C/ 145 SC 145.1	P 87	L 21	# 22	C/ 145 SC 145.2.6 P 133 L 22 # 24
Abramson, David	Texas Instru		# 22	Abramson, David Texas Instruments
though this clause is	Comment Status A DTI Power via MDI on page 88 s now titled Power over Etherner re this. This seems confusing.			Comment Type E Comment Status A Editori Why did "the POWER_ON state" show back up? SuggestedRemedy
SuggestedRemedy Add to section 145.	1 (page 87, line 17) in a new pa e terms "DTE Power via MDI" a		Ethernet"	Replace with "POWER_ON" <i>Response</i> ACCEPT. C
interchangeably.		ind Power over	Einemei	
Response ACCEPT IN PRINC	Response Status C			C/ 145 SC 145.2.7 P 139 L 51 # 25 Abramson, David Texas Instruments
OBE by 83				Comment Type E Comment Status A Editoria No reason to say "Type 3 and Type 4" Editoria Editoria Editoria
### ### ###				SuggestedRemedy Remove text.
Comment 83 has th ACCEPT IN PRINC	e following response: IPLE.			Response Response Status C
adopt beia_01_031	7_final.pdf			ACCEPT IN PRINCIPLE.
Also, add TDL (Dav address use of DTE	e T., Lennart): Figure out how in clause 145.	other clauses lir	k to DTE/PoE. How to	OBE by 259 ### ###
C/ 145 SC 145.2. Abramson, David	4 P 99 Texas Instru	L 44 ments	# 23	Comment 259 has the following response: ACCEPT IN PRINCIPLE.
Comment Type E Table 33-4 is no lon	Comment Status D ger needed, it can be replaced	with two simple	Editorial sentences.	Replace aforementioned baseline with "PSEs that will deliver 4-pair power to a dual- signature PD shall perform classification on each pairset."
configurations asso listed in Table 145-4 with: "Type 3 PSEs	page 99, line 39) "PSEs shall u ciated with Alternative A or Alte 4 corresponding with their Type may use any of the valid Altern rnative A(MDI-X) and Alternativ	rnative B ." atives shown in		
Proposed Response REJECT.	Response Status Z			
This comment was	WITHDRAWN by the comment	er.		

C/ 145 SC 145.2 Abramson, David	2.7 P 139 Texas Ins	L 49 truments	# 26	Cl 145 SC Abramson, Davi	2 145.2.8 d	P 146 Texas Instrur	L 10 nents	# 29
Comment Type E Better wording car	Comment Status A be used now.		PSE Class	Comment Type PSE Type e	E ntry for item	Comment Status A 14 is centered in column, s	hould be left ali	<i>Editoria</i>
SuggestedRemedy Replace				SuggestedReme See comme				
of the following: M	ccessful detection, PSEs sha ultiple-Event Physical Layer c n and Data Link Layer classifi	assification; or Mu		Response ACCEPT.		Response Status C		
with:				C/ 145 SC Abramson, Davi	2 145.2.8.6 d	P 153 Texas Instrur	L 3 nents	# 30
	ccessful detection, PSEs sha nay perform Data Link Layer		Event Physical Layer	Comment Type Sentence ha	ER as issues aff	Comment Status A ter removal of Type 1 and 2	text.	Editoria
Response ACCEPT. Cl 145 SC 145.	Response Status C	L 30	# 27	POWER_U	OWER_UP of State on the	occurs on each pairset betw hat pairset and either the exp rs on each pairset between	piration of Tinrus	sh-2P."
Abramson, David	Texas Ins					the expiration of Tinrush-2		
used as an adjecti be no hyphen. SuggestedRemedy	Comment Status A wrong through draft. The hyp ve (ex: 4-pair power). If "pair" with "4 pairs". Editor to imple	or "pairs" is used	as a noun, there should		IP occurs or	Response Status C E. n each pairset between the t iration of Tinrush-2P."	ransition to the	POWER_UP state on
Response ACCEPT.	Response Status C		-					
<i>Cl</i> 145 SC 145 .2 Abramson, David	2.7.1 P 141 Texas Ins	L 53 truments	# 28					
Comment Type E No reason for a sta other (non-last) ma	Comment Status A and alone sentence anymore, ark events.	MARK_EV2 can b	<i>Editorial</i> e combined with all					
SuggestedRemedy Remove sentence	and add MARK_EV2 to list of	events on line 49.						
	Response Status C							

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

C/ 145 SC 145.2.8.1	I1 P 157	L 25	# 31	C/ 145 SC 145.	2.11 P 159	L 10	# 33
Abramson, David	Texas Instrumen	its		Abramson, David	Texas Instru	uments	
Comment Type TR	Comment Status A		PSE Power	Comment Type TR	Comment Status A		PSE MP
allocated power (as de parameter only applies PD that advertised a d	class power defined in 145.2.7 a fined in 79.3.2.6) added to the c s to PSEs operating both pairsets ifferent class signature on each prrect. Pclass-2p always applies	hannel power Ì s and connecte pairset.	oss for a pairset. This	SuggestedRemedy Remove "a combi Sentence should r	s no longer depend on Type (Ty nation of its Type," and the com read: "A PSE, depending on the ngle-signature PD or a dual-sign	ma after "Type of connected Type	PD". of PD and whether it is
SuggestedRemedy					5 5 5	ature PD, shall us	е.
Remove "that advertise	ed a different class signature on	each pairset"		Response ACCEPT.	Response Status W		
Response	Response Status W			ACCEPT.			
ACCEPT IN PRINCIPI	LE.			C/ 145 SC 145.	2.11 P 159	L 43	# 34
OBE by 372				Abramson, David	Texas Instru	uments	
### ### ###				Comment Type EF "PSE" removed by			Editori
Comment 372 has the ACCEPT IN PRINCIPI				SuggestedRemedy Insert "PSE" after	"A".		
- Move paragraph 3 to - Delete 145.2.8.11	145.2.7 (editor to find proper pla	ace).		Response ACCEPT.	Response Status W		
C/ 145 SC 145.2.8 .1 Abramson, David	I4 P 158 Texas Instrumen	L 20 .ts	# 32				
Comment Type TR Tpon requirement for I	<i>Comment Status</i> A DS PDs doesn't have a shall.		PSE Power				
detection to the POWE to: "When connected t	cted to a dual-signature PD, Tpc ER_ON state for each pairset ind o a dual-signature PD, PSEs sha er completing detection on the sa	lependently." all reach the P(
PIC to be added if nec	essary.						
Response	Response Status W						

ACCEPT.

C/ 145 SC 145.2.1	P 91	L 20	# 35	C/ 145	SC 145.3.6	P 177	L 4	# 37
Abramson, David	Texas Instrum	nents		Abramson, D	avid	Texas Instru	ments	
Comment Type E	Comment Status A		Pres: Beia1	Comment Ty	pe ER	Comment Status A		Pres: Yseboodt
PSE Types should mentior does).	n Types 1 and 2 and poin	t to clause 33 (j	ust like the PD section	Redunda SuggestedR	•	nt. 4th bullet is the same as	2nd.	
SuggestedRemedy						the maximum power that a T	vne3 or Tyne 4 l	PD shall draw "
Change: "PSEs can be ca to: "PSEs can be categoriz specification of Type 1and	ed as either Type 1, Type			Response	IN PRINCIP	Response Status C	ypee of Type 4	
Response R ACCEPT IN PRINCIPLE.	esponse Status C			OBE by	393			
OBE by 83				### ### Commer ACCEP1	nt 393 has the	e following response:		
### ### ###				Suggest	ed remedy:			
Comment 83 has the follov	ving response:			Adopt ys	eboodt_03_0	317_pdclassification.pdf		
ACCEPT IN PRINCIPLE.	5 - 1			This con	nment resolve	s comment: 180		
adopt beia_01_0317_final.	pdf			C/ 145	SC 145.3.6	P 177	L 22	# 38
Also, add TDL (Dave T., Le		other clauses lin	k to DTE/PoE. How to	Abramson, D	avid	Texas Instru	ments	
address use of DTE in clau	ise 145.			Comment Ty	,	Comment Status A		Editoria
C/ 145 SC 145.3.3 Abramson, David	P 161 Texas Instrum	L 30 nents	# 36	specified	l in Table 145	_A or class_sig_B in accorda -24 and Table 145-25, with th Table 145-24 and Table 145	e corresponding	
Comment Type E 0	Comment Status A		Editorial	SuggestedR	emedy			
No need to reference both	Type 3 and Type 4.			Remove Table 14		orresponding classification si	gnatures specifi	ed in Table 145-24 and
SuggestedRemedy Remove "Type 3 and Type	4" Do same for lines 3/	1 40 and 43		Response		Response Status C		
	esponse Status C	, 1 0, and 1 0.		ACCEPT	IN PRINCIP	LE.		
ACCEPT.				specified	l in Table 145	_A or class_sig_B in accorda -24 and Table 145-25, with th 1 Table 145-23."		

Cl 145 SC 145.3.6.1 P 178 L 19 Abramson, David Texas Instruments	# 39	C/ 145 Abramson, E	SC 145.3.6 David	P 177 Texas Instru	L 11 ments	# 41
Comment Type E Comment Status A		Comment Ty	rpe E	Comment Status A		PD Class
class_sig_0 is not defined anywhere		No reaso	on for "Type 3	and Type 4" and we can cor	nbine sentences.	
SuggestedRemedy		SuggestedR	emedy			
Replace "present class_sig_0" with "present a class signature of '0'" <i>Response Response Status</i> C ACCEPT IN PRINCIPLE.		impleme with: "PI	nt Multiple-Éve Ds shall provide	ovide Physical Layer classifi ant classification as defined Physical Layer classification d in 145.3.6.1 and Table 145	in 145.3.6.1 and 1 on and shall imple	Table 145-23."
Replace "present class_sig_0" with "present class signature '0'"		Response		Response Status C		
	# 40	ACCEP	IN PRINCIPL	E.		
Abramson, David Texas Instruments	# 40	Change 145-23."	to: "PDs shall	provide Multi-Event classific	ation as defined ir	n 145.3.6.1 and Table
Comment Type E Comment Status A typo. "For single-singature PD the"	Editorial	C/ 30	SC 30.9.1.1.	B P 31	L 38	# 42
SuggestedRemedy		Anslow, Pete	9	Ciena		
"For a single-signature PD the."		Comment Ty	rpe E	Comment Status A		Editoria
Response Response Status C ACCEPT IN PRINCIPLE.		"33.2.4"	33.2.4 and 145 should be "33. sue in 30.9.1.1	2.3" and "and 145.2.4" shou	ld be underlined	
OBE by 182		SuggestedR	emedy			
### ### ###		0		.2.3" and underline "and 145 es in 30.9.1.1.4	5.2.4".	
Comment 182 has the following response: ACCEPT. Suggested remedy:		Response ACCEP	г.	Response Status C		
line 32, change "For single-signature PD" to "For single-signature PDs," line 36, change "For a dual-signature PD" to "For dual-signature PDs,"		C/ 30	SC 30.9.1.1.4	P 32	L 5	# 43
		Anslow, Pete	9	Ciena		
		Comment Ty	rpe E	Comment Status A		Editorial
		"aPSEP "aSectio	nSESThreshol	bled.lf" rolAbility" is shown as being d" is not shown as being rer h line 12 in strikethrough) "33	noved.	, ,
		SuggestedR	emedy			
		Show "a		reshold" in strikethrough for 1 line 12 in strikethrough) ch		to "33.5.1.1.4"
		Response	,	Response Status C	-	
		ACCEP	г.			
TYPE: TR/technical required ER/editorial required GR/general required T/tec COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE S ⁻			luneatisfied		nent ID 43	Page 5 of 103 3/16/2017 10:3

SORT ORDER: Comment ID

C/ 30 SC 30.9.1.1.5 Anslow, Pete	6 P 32 Ciena	L 27	# 44	C/ 30 SC 30.9.1.1.6 Anslow, Pete	P 33 Ciena	L 4	# 47
Comment Type E In "33.2.6 and 145.2.6" "33.2.6" should be "33.2	Comment Status A 2.5" and "and 145.2.6" should	be underlined	Editorial	Comment Type E Comme "33.2.7.1" should be "33.2.6.1" an SuggestedRemedy	ent Status A nd it should not be	underlined.	Editorial
SuggestedRemedy				Change "33.2.7.1" to "33.2.6.1" a	nd remove the une	derline.	
Change "33.2.6" to "33.	2.5" and underline "and 145.	2.6".		Response Respon	se Status C		
Response ACCEPT.	Response Status C			ACCEPT.			
C/ 30 SC 30.9.1.1.5 Anslow, Pete	i P 32 Ciena	L 30	# 45	C/ 30 SC 30.9.1.1.7 Anslow, Pete	P 33 Ciena	L 19	# 48
Comment Type E	Comment Status A pe "Figure 33-9" and it should	not be underline	<i>Editorial</i> d.	Comment Type E Comme "Figure 33-13" should be "Figure Same issue in 30.9.1.1.8, 30.9.1.			<i>Editorial</i> d.
SuggestedRemedy Change "Figure 33-13"	to "Figure 33-9" and remove	the underline.		SuggestedRemedy Change "Figure 33-13" to "Figure Make the same changes in 30.9.			0 0 1 1 11
Response ACCEPT.	Response Status C			5	se Status C	0.0.1.1.10, and 0	0.0.1.1.11
C/ 30 SC 30.9.1.1.5 Anslow, Pete	6 P 32 Ciena	L 37	# 46	C/ 30 SC 30.12.2.1.8	P 38 Ciena	L1	# 49
Comment Type E There is already a ";" at line 37.	Comment Status A the end of the NOTE on line	41, so there is r	<i>Editorial</i> o need to add one on	Anslow, Pete Comment Type E Comme In the editing instruction, "through	ent Status A	nould be "through	Editorial 30.12.2.1.10"
SuggestedRemedy Delete the ";" on line 37	,			SuggestedRemedy Change "through 30.12.2.1.107" t	o "through 30.12.2	2.1.10"	
Response ACCEPT.	Response Status C			Response Respon ACCEPT.	se Status C		

C/ 30 SC 30.12.2.1.8 P 38	L 14	# 50	C/ 30 SC 30.12.2.1		L 19	# 53
Anslow, Pete Ciena			Anslow, Pete	Ciena		
Comment Type E Comment Status A		Editorial	Comment Type E	Comment Status A		Editoria
"(see 33.2.4" should be "(see 33.2.3" Same issue in 30.12.2.1.9				is the power value that the Fown in underline font, but it is		
SuggestedRemedy			The text "The PSE allo	ocated power value is the ma	ximum input aver	rage power that the
Change "(see 33.2.4" to "(see 33.2.3" Make the same change in 30.12.2.1.9			underline font and ther	ever draw under this allocation again in strikethrough font.	on if it is accepted	l." is present in
Response Response Status C			SuggestedRemedy			
ACCEPT.			allocated to the remote	from "For a PSE, it is the po e system." and the first versic erage power that the PSE wa	on of "The PSE al	llocated power value is
C/ 30 SC 30.12.2.1.9 P 38 Anslow, Pete Ciena	L 36	# 51	allocation if it is accept font.	ted." delete the second insta	nce of this senter	nce in strikethrough
Comment Type E Comment Status A		Editorial	Response	Response Status C		
"." missing at the end of the text before ";"			ACCEPT.			
SuggestedRemedy			C/ 30 SC 30.12.2.1	I.18a P 40	L 29	# 54
Add "." at the end of the text before ";"			Anslow, Pete	Ciena		
Response Response Status C			Comment Type E	Comment Status A		Editoria
ACCEPT.				on, "Insert 30.12.2.1.18a thro		
C/ 30 SC 30.12.2.1.10 P 38	L 53	# 52	follows:" 30.12.2.1.18z added.	has not been updated to ac	count for the addi	itional subclauses
Anslow, Pete Ciena			"30.12.3.1.18" should l			
Comment Type E Comment Status A		Editorial		<pre>imbering does not follow the g/3/WG_tools/editorial/require</pre>		
"in 33.2.7" should be "in 33.2.6"			SuggestedRemedy	<i>y - ,</i> <u> </u>		
SuggestedRemedy			55 ,	truction to "Insert 30.12.2.1.1	18a through 30.12	2.2.1.18z12 after
Change "in 33.2.7" to "in 33.2.6"			30.12.2.1.18 as follows		- 	10-1 through
Response Response Status C			30.12.2.1.18z12.	2.1.18aa through 30.12.2.1.1	oai 10 30. 12.2.1.	iozi unougn
ACCEPT.			Response	Response Status C		

C/ 30 SC 30.12.2.1.18a	P 40	L 39	# 55	C/ 30	SC 30.12.2	2.1.181	P 43	L 5	# 57
Anslow, Pete	Ciena			Anslow, Pe	ete		Ciena		
··· //·· =	nt Status A		Pres: Darshan3	Comment	51		ent Status A		Pres: Darshan3
The text ", as defined in Equation aLldpXdot3LocPDRequestedPowe but this equation is deleted by this Same issue in 30.12.2.1.18b. Same issue (with Equation (79-2))	erValueModeA is draft, so referen	cing it does not m	ake sense.	or rem Suggested	ote device. H IRemedy	owever, 30.1	2.2.1.18l and 30.1	2.3.1.18l have id	ute refers to the local entical text. SE" in 30.12.3.1.18l
SuggestedRemedy				Response		Respon	se Status C		
Delete ", as defined in Equation (7 aLldpXdot3LocPDRequestedPowe Delete the equivalent text in 30.12	erValueModeA is 2.2.1.18b.	,		ACCE OBE b	PT IN PRINCI 19 122	PLE.			
Delete the equivalent text (with Ec Response Response	quation (79-2)) in se Status C	30.12.2.1.18c and	d 30.12.2.1.18d.	### ##	+# ###				
ACCEPT IN PRINCIPLE.					ent 122 has th PT IN PRINCI		esponse:		
OBE by 122				adopt	darshan_03_0	317Rev007F	.pdf with editorial	license to clean	up.
**** **** ****				C/ 30	SC 30.12.3	3.1.7	P 48	L 42	# 58
Comment 122 has the following re ACCEPT IN PRINCIPLE.	esponse:			Anslow, Pe			Ciena		
	منافعه والفصيام	line and the slave of		Comment			ent Status A		Editoria
adopt darshan_03_0317Rev007F.	·		·		diting instructions to 30.12.3.1			rough 30.12.3.1.	10 as follows:" but no
C/ 30 SC 30.12.2.1.18g	P 41	L 54	# 56	Suggested	Remedy				
Anslow, Pete	Ciena			Either	show changes		.7 or change the e	editing instruction	to ""Change
51	ent Status A		Pres: Darshan3	30.12.	3.1.8 through	30.12.3.1.10	as follows:"		
The three subclauses 30.12.2.1.1 for APPROPRIATE SYNTAX with	no explanation o	f what is different	between the three.	Response		Respon	se Status C		
SuggestedRemedy				ACCE	PT.				
Expand the text of the three subcli	auses to clarify h	ow they differ from	n one another.						
Response Respons	se Status C								
ACCEPT IN PRINCIPLE.									
OBE by 122									
### ### ###									
Comment 122 has the following re ACCEPT IN PRINCIPLE.	esponse:								
adopt darshan_03_0317Rev007F.	.pdf with editorial	license to clean u	ıp.						

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 58

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C/ 30 S Anslow, Pete	SC 30.12.3.1.8	<i>P</i> 49 Ciena	L 12	# 59	Cl 30 Anslow, Pete	SC 30.12.: e	3.1.18g	P 52 Ciena	L 46	# 62	
Comment Typ	e E	Comment Status A		Editorial	Comment Ty	ире т	Comm	ent Status A			Editorial
Same issu	4" should be "se ue in 30.12.3.1.9		ne to 30 9 1 1 3		Same is	sue in 30.12		n" should be "asso	ciated with the rei	mote system"	
		nce to 30.9.1.1.3 should l			SuggestedR	emedy					
SuggestedRei	medy						with the loca nge in 30.12.	al system" to "asso 3.1.18h	ciated with the re	mote system"	
		e 33.2.3" on lines 12 and			Response		Respor	nse Status C			
		s-reference from 30.9.1.1 s-reference from 30.9.1.1			ACCEP	г.					
Response	F	Response Status C			C/ 30	SC 30.12.	3 1 18a	P 52	L 46	# 63	
ACCEPT.					Anslow, Pete		5.1.109	Ciena	L 40	# 03	
C/30 S	SC 30.12.3.1.10	P 49	L 53	# 60	Comment T	vpe E	Comm	ent Status A		Pres: I	Darshan3
Anslow, Pete		Ciena			The thre	, e subclause	s 30.12.3.1.	18g, 30.12.3.1.18h	n, and 30.12.3.1.1	8i have identica	al text
Comment Typ	e E	Comment Status A		Editorial			SYNTAX (ex veen the thre	cept for incorrect r	reference to local)) with no explan	ation of
	' should be "in 33							÷e.			
SuggestedRei	medy				SuggestedR Expand		e three subr	clauses to clarify h	ow they differ from	n one another	
	n 33.2.7" to "in 3	3.2.6"			Response			nse Status C		n one another.	
Response	F	Response Status C			•	T IN PRINCI	,				
ACCEPT.											
					OBE by	122					
CI 30 S Anslow, Pete	SC 30.12.3.1.18	a P 51 Ciena	L 14	# 61	### ###	###					
Comment Typ	e E	Comment Status A		Editorial			ne following	response:			
		nsert 30.12.3.1.18a throu			ACCEP	T IN PRINC	FLE.				
added.	0.12.3.1.18Z Nas	s not been updated to acc	ount for the add	uonal subciauses	adopt da	arshan_03_0	317Rev0071	F.pdf with editorial	license to clean u	ıp.	
		ering does not follow the			CI 33	SC 33.1		P 59	L 11	# 64	
•	0	VG_tools/editorial/require	ments/words.htr	ni#nump	Anslow, Pete	e		Ciena			
uggestedRei	-	tion to "Insert 30.12.3.1.1	80 through 20 11	0 2 1 19712 oftor	Comment Ty	vpe E	Comm	ent Status A			Editorial
30.12.3.1.	18 as follows:"	18aa through 30.12.3.1.1	Ū					se it is "Clause xx" lause") has a lowe		However, the t	erm
30.12.3.1.	18z12.	-		-	SuggestedR	emedy					
Response		Response Status C			Change	"Clause" to	"clause" in ty	wo places in this pa	aragraph.		
ACCEPT.					Response		Respor	nse Status C			
					ACCEP	Г.					
				T/technical E/editorial G/ ISE STATUS: O/open W/w		l l/upoctiofi-	d 7/with draw		nent ID 64	0	9 of 103 017 10:32:

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

<i>CI</i> 79 Anslow, Pet	SC 79.1.1.3	P 62 Ciena	L 16	# 65	<i>Cl</i> 30 Anslow, I		30.2.5	<i>P</i> 28 Ciena	L 1	# 68
		Comment Status A		[]	Commen		-	Comment Status A		
Suggested	ent #21 against Remedy	D2.2 was ACCEPT, but was value:" in strikethrough font a Response Status C	·		The follov two r The	editing ir ws:" doe: new colu order of	s not say mns that l	"Insert new rows into Table 30 where the new rows should be have been added to the table. e base version of Table 30-7	e inserted and d	oes not mention the
ACCEF	от				Suggeste	edReme	dy			
<i>Cl</i> FM Anslow, Pet		P 21 Ciena	L 31	# 66	exist or:	ge the e ing rows	and to de	ruction to define where the ne scribe the added columns le as modified and show the r		
Comment T	51	Comment Status A nould be "Deletions and insert	iono"	Editorial	Respons		inpiete tab	Response Status C	new rows an cor	
0		d ions" to "Deletions and inser	tions"				PRINCIPL	E. of the two suggested remedie	es (whichever is	easier for him).
Response ACCEP	РТ.	Response Status C			<i>Cl</i> 30 Anslow, I		30.2.5	P 28 Ciena	L 26	# 69
C/ 30 Anslow, Pet	SC 30.2.5 te	P 27 Ciena	L 48	# 67	Commen "30.1		E ould be a d	Comment Status A		Editorial
	iting instruction	Comment Status A "Delete the "oPD managed ol e "PD Basic Package (mandat			Suggeste Make		•	-reference		
SuggestedF Change	Remedy e the editing ins	truction to "Delete the "oPD m D Basic Package (mandatory	anaged object	class" and "aPDID"	Respons ACC	e EPT.		Response Status C		
Response ACCEF	РТ.	Response Status C								

C/ 30	SC 30.2.5	P 28	L 30	# 70	CI 79	SC 7	9.3.2.5	P 67	L 38	# 72
Anslow, Pete	e	Ciena			Anslow, P	ete		Ciena		
	/s for "aLldpXdot3L dot3LocPDReques	Comment Status A .ocPDRequestedPowerVa stedPowerValueModeB" a		Pres: Darshan3	Suggestee	nderlined dRemedy	/	Comment Status A 2" should have character tag	External applie	<i>Editorial</i> d.
Replace	e the second instan	ice with "aLldpXdot3LocF llocatedPowerValueAlteri		erValueAlternativeA"	Response		er tag Ext	ernal. Response Status C		
Response	F	Response Status C			ACCE	PI.				
	T IN PRINCIPLE.				<i>Cl</i> 79 Anslow, P	SC 7	9.5.3	P 82 Ciena	L 2	# 73
OBE by ### ###					Comment	Туре	E iting inst	Comment Status A ruction for the table in 79.5.3		Editorial
	nt 122 has the follo T IN PRINCIPLE.	owing response:			S <i>uggestee</i> Add a	d <i>Remedy</i> n editing		on		
adopt da		ev007F.pdf with editorial	license to clean u		Response ACCE			Response Status C		
Cl 30 Anslow, Pete	SC 30.2.5	<i>P</i> 29 Ciena	L 36	# 71						
,					CI 79	SC 7	9.5.8	P 85	L 9	# 74
Comment Ty		Comment Status A		Pres: Darshan3	Anslow, P			Ciena		
	le is missing rows f lot3RemPDReques	stedPowerValueModeA			Comment		т	Comment Status A		Editorial
aLldpXd aLldpXd	lot3RemPDReques lot3RemPSEAlloca	stedPowerValueModeB atedPowerValueAlternativ						/T36 should have been delete PMT2, and PMT3 instead).	d due to Comr	nent #22 against D2.2
aLldpXd	lot3RemPSEAlloca	atedPowerValueAlternativ	еВ		Suggestee	dRemedy	/			
SuggestedR	Remedy				Delete	e PVT34,	PVT35,	and PVT36		
Add the	rows				Response	,		Response Status C		
Response ACCEP	R T IN PRINCIPLE.	Response Status C			ACCE	PT.				
OBE by	122									
### ###	ŧ ###									
	nt 122 has the follo T IN PRINCIPLE.	owing response:								
adopt da	arshan_03_0317Re	ev007F.pdf with editorial	license to clean u	ıp.						

C/ 145 SC 145.1 P 87 L 15 # 75	C/ 145B	SC 145B	P 263	L 54	# 78
Anslow, Pete Ciena	Anslow, Pete		Ciena		
Comment Type E Comment Status A	Editorial Comment Ty	be E	Comment Status A		Editoria
When referring to a specific clause it is "Clause xx" with a capital C. However, the t	term The copy	right_year vari	iable in the file for Annex 14	45B is set to 201x	rather than 2017
"clause" on its own (as in "This clause") has a lower case c.	SuggestedRe	emedy			
SuggestedRemedy Change "Clause" to "clause"	Set the v	ariable to 2017	7		
с. С	Response		Response Status C		
Response Response Status C ACCEPT.	ACCEPT				
C/ 145 SC 145.4.3 P 196 L 12 # 76		SC 145.1.3.1	P 90	L 31	# 79
Anslow, Pete Ciena	Anslow, Pete		Ciena		
Comment Type E Comment Status A	Comment Ty		Comment Status R		Cablin
Comment #19 against D2.2 resulted in many trailing zeros being removed from the However, some still remain.	e draft. at Icable'	' has no meani	e maximum ambient temper ing unless it is clear what th		
	SuggestedRe	emedy			
SuggestedRemedy					
SuggestedRemedy Remove any remaining trailing zeros from the draft. In particular:	Clarify w	nat the 10 C ar	nd 5 C reduction is with res	spect to.	
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-35, Equation 145-36, Equation 145-3	37, Response		nd 5 C reduction is with res Response Status C	spect to.	
Remove any remaining trailing zeros from the draft. In particular:	Deenenee			spect to.	
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-35, Equation 145-36, Equation 145-3	37, <i>Response</i> REJECT	luction in the m			is rated to. Is this not
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-36, Equation 145-36 Equation 145-38, Equation 145-39ResponseResponse StatusC	37, Response REJECT It is a rec clear end	luction in the m	Response Status C		is rated to. Is this not
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-35, Equation 145-36, Equation 145-38 Equation 145-38, Equation 145-39 Response Response Status ACCEPT. Cl 145 SC 145.4.9.2.1 P 206 L 23 # 77	37, Response REJECT It is a rec clear end	luction in the m ugh? SC 145	Response Status C	ture that the cable	
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-36, Equation 145-36 Equation 145-38, Equation 145-39 Response Response Status ACCEPT. C/ 145 SC 145.4.9.2.1 P 206 L Anslow, Pete Ciena	37, Response REJECT It is a rec clear end C/ 145	luction in the m ugh? SC 145	Response Status C	ture that the cable	
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-35, Equation 145-36, Equation 145-38 Equation 145-38, Equation 145-39 Response Response Status ACCEPT. C/ 145 SC 145.4.9.2.1 P 206 L 23 # 77 Anslow, Pete Ciena Comment Type E Comment Status A The title of Figure 145-42 is truncated	Response REJECT It is a rec clear end C/ 145 Anslow, Pete Editorial Comment Ty Now that	luction in the m ough? SC 145 be E the new PoE N	Response Status C naximum ambient temperat P 89 Ciena	ture that the cable <i>L</i> 21 to Clause 145, the	# 80 Editoria ere needs to be some
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-35, Equation 145-36, Equation 145-38 Equation 145-38, Equation 145-39 Response Response Status ACCEPT. Cl 145 SC 145.4.9.2.1 P 206 L 23 # 77 Anslow, Pete Ciena Comment Type E Comment Type E Comment Status A The title of Figure 145-42 is truncated SuggestedRemedy	Response REJECT It is a rec clear end C/ 145 Anslow, Pete Editorial Comment Ty Now that	Luction in the m nugh? SC 145 De E the new PoE v tances of point	Response Status C naximum ambient temperat P 89 Ciena Comment Status A variants have been moved	ture that the cable <i>L</i> 21 to Clause 145, the	# 80 Editoria ere needs to be some
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-35, Equation 145-36, Equation 145-38 Equation 145-38, Equation 145-39 Response Response Status ACCEPT. Cl 145 SC 145.4.9.2.1 P 206 L 23 # 77 Anslow, Pete Ciena Comment Type E Comment Status A The title of Figure 145-42 is truncated SuggestedRemedy Widen the frame containing the Figure 145-42 title so that is not truncated. Response Response Status C	Response REJECT It is a red clear end Cl 145 Anslow, Pete Editorial Comment Tyj Now that more inst SuggestedRe Add som	Iuction in the m nugh? SC 145 SC 145 the new PoE w tances of point emedy e more pointer	Response Status C naximum ambient temperat P 89 Ciena Comment Status A variants have been moved	ture that the cable <i>L</i> 21 to Clause 145, the arts not covered in in 145.3.2). In pa	# 80 Editoria ere needs to be some this Clause.
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-35, Equation 145-36, Equation 145-38 Equation 145-38, Equation 145-39 Response Response Status C ACCEPT. C/ 145 SC 145.4.9.2.1 P 206 L 23 # 77 Anslow, Pete Ciena Comment Type E Comment Status A The title of Figure 145-42 is truncated SuggestedRemedy Widen the frame containing the Figure 145-42 title so that is not truncated.	Response REJECT It is a red clear end Cl 145 Anslow, Pete Editorial Comment Tyj Now that more inst SuggestedRe Add som	Iuction in the m nugh? SC 145 SC 145 the new PoE w tances of point emedy e more pointer	Response Status C naximum ambient temperat P 89 Ciena Comment Status A variants have been moved ters to Clause 33 for the pa	ture that the cable <i>L</i> 21 to Clause 145, the arts not covered in in 145.3.2). In pa	# 80 Editoria ere needs to be some this Clause.
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-35, Equation 145-36, Equation 145-38 Equation 145-38, Equation 145-39 Response Response Status ACCEPT. Cl 145 SC 145.4.9.2.1 P 206 L 23 # 77 Anslow, Pete Ciena Comment Type E Comment Status A The title of Figure 145-42 is truncated SuggestedRemedy Widen the frame containing the Figure 145-42 title so that is not truncated. Response Response Status C	Response REJECT It is a rec clear end C/ 145 Anslow, Pete Editorial Comment Ty Now that more inst SuggestedRe Add som 145.2.1 to Response	Iuction in the m nugh? SC 145 SC 145 the new PoE w tances of point emedy e more pointer	Response Status C naximum ambient temperat P 89 Ciena Comment Status A variants have been moved ters to Clause 33 for the pa rs to Clause 33 (as is done SE types less than 3 are de Response Status C	ture that the cable <i>L</i> 21 to Clause 145, the arts not covered in in 145.3.2). In pa	# 80 Editoria ere needs to be some this Clause.
Remove any remaining trailing zeros from the draft. In particular: Table 145-33, Equation 145-33, Equation 145-35, Equation 145-36, Equation 145-38 Equation 145-38, Equation 145-39 Response Response Status ACCEPT. Cl 145 SC 145.4.9.2.1 P 206 L 23 # 77 Anslow, Pete Ciena Comment Type E Comment Status A The title of Figure 145-42 is truncated SuggestedRemedy Widen the frame containing the Figure 145-42 title so that is not truncated. Response Response Status C	Response REJECT It is a rec clear end C/ 145 Anslow, Pete Editorial Comment Ty Now that more inst SuggestedRe Add som 145.2.1 to Response ACCEPT	SC 145 SC 145 SC 145 the new POE the new POE the new POE the new Poe the terms of point terms of pointer of the terms of term	Response Status C naximum ambient temperat P 89 Ciena Comment Status A variants have been moved ters to Clause 33 for the pa rs to Clause 33 (as is done SE types less than 3 are de Response Status C	ture that the cable <i>L</i> 21 to Clause 145, the arts not covered in in 145.3.2). In pa efined.	# 80 Editoria ere needs to be some this Clause.

C/ 145 SC 145 Beia, Christian	P 87 STMicroelec	L 4	# 81	C/ 145 Beia, Christi	SC 145.1	P 87 STMicroelec	L 8	# 82		
Comment Type EF			Pres: Beia1	Comment Ty		Comment Status A		Pres: Beia1		
The wording Powe	er Over Ethernet, even if common 5 since it does not show any rela			Some in	troductory text	is needed to explain the relation of Clause 33 for 4-pairs op		use 33. Clause 145 is		
	se 145 is completely redefining F project, defined in our PAR, is to		abilition of the IEEE	SuggestedR	emedy					
Std 802.3 standar should be reflecte	d with 4-pair power and associate d in the title. bice is to use a name which inclu	ed power manag	ement information. This	Etherne With:	use defines the t (PoE) system	e functional and electrical ch for deployment over balanc e functional and electrical ch	ed twisted-pair ca	abling.		
SuggestedRemedy						r over Ethernet (PoE) system				
Change the title of					anced twisted-					
Power over Etherr	let			Response		Response Status C				
DTE Power via MI	DI over 4-pairs			ACCEP.	T IN PRINCIPL	_E.				
Proposed Response REJECT.	Response Status Z			OBE by	83					
				### ###	###					
This comment wa		Comment 83 has the following response: ACCEPT IN PRINCIPLE.								
				adopt be	eia_01_0317_f	inal.pdf				
				Also, add TDL (Dave T., Lennart): Figure out how other clauses link to DTE/PoE. How to address use of DTE in clause 145.						
				<i>Cl</i> 145 Beia, Christi	SC 145.1 an	P 87 STMicroelec	L 15 stronics	# 83		
				ر <i>Comment T</i> Some te	,	Comment Status A	h Clause 33 after	Pres: Beia1 the split.		
				SuggestedR See beia	2	for baseline proposal				
				Response	,	Response Status C				
					T IN PRINCIPL	•				
				adopt be	eia_01_0317_f	inal.pdf				
					d TDL (Dave T use of DTE in	., Lennart): Figure out how clause 145.	other clauses link	to DTE/PoE. How to		
				This cor	nment resolve	s comments: 22, 35, 82, 219)			
	quired ER/editorial required GR D/dispatched A/accepted R/rejenent ID				U/unsatisfied		nent ID 83	Page 13 of 103 3/16/2017 10:32:		

145 SC 145.3.6 P 177 L 14 # 84 ia, Christian STMicroelectronics	Cl 145 SC 145.3.3 P 174 L 25 # 86 Beia, Christian STMicroelectronics
mment Type E Comment Status A Pres: Yseboodt3	Comment Type E Comment Status A Pres: Darshar
Туро	The name of MDI_POWER2 has been changed to POWERED in the SS state diagram, so
ggestedRemedy	it should be done for DS as well
Replace:	SuggestedRemedy
Single-signature PDs that request Class 1 to 3 PDs optionally provide Data Link Layer classification	change the name of state MDI_POWER2 to POWERED
with:	Response Response Status C
Single-signature PDs that request Class 1 to 3 optionally provide Data Link Layer classification	ACCEPT IN PRINCIPLE.
esponse Response Status C	OBE by 351
ACCEPT IN PRINCIPLE.	### ###
OBE by 393	Comment 351 has the following response: ACCEPT IN PRINCIPLE.
### ### Comment 393 has the following response: ACCEPT. Suggested remedy: Adopt yseboodt_03_0317_pdclassification.pdf	Adopt darshan_04_0317Rev008.pdf
145 SC 145.3.3 P 174 L 15 # 85	
ia, Christian STMicroelectronics	
mment Type E Comment Status A Pres: Darshan4	
The name of MDI_POWER1 has been changed to POWER_DELAY in the SS state diagram, so it should be done for DS as well	
ggestedRemedy	
change the name of state MDI_POWER1 to POWER_DELAY	
sponse Response Status C	
ACCEPT IN PRINCIPLE.	
OBE by 351	
### ### ###	
Comment 351 has the following response: ACCEPT IN PRINCIPLE.	
Adopt darshan_04_0317Rev008.pdf	

C/ 145 SC 145.3.8.1	Dia							
Bennett, Ken	P 184 Sifos Technol	L7	# 87	C/ 145 SC 14 Bennett, Ken	45.3.8.2	P 184 Sifos Technol	L 11	# 88
Comment Type T	Comment Status A	ogies, in	PD Power	-	E C	Comment Status A	ogies, in	PD Powe
The following statemen			PD Power	The first senter	ice of this se	ection references PClass	_PD and PClass	
"The behavior of a PD a reaches the POWER_D Voff_PD, Voverload_PD SuggestedRemedy Remove (or revise) the Response ACCEPT IN PRINCIPLI Change to: "If VPD fall POWERED state." Also, add TDL (Lennart Notes from discussion: There are a few issues completely undefined? parameters I assume. Since the SD only trans "If VPD falls below Voff state, the PD's behavio 145-20, Table 145-23, a HS: Undefined best means Response DNA: Yes, r	at a voltage outside of VPort_ ELAY or POWERED state, D-2P, and Vtransient_PD-2P sentence. <i>Response Status</i> C	until VPD falls b are all example has reached the how to fix the No you point out, p he detect and cl on Voff_PD, how the POWER_D lectrical parame hed until VPD fal ig.	elow VReset_PD". s where this is not true. s POWER_DELAY or pPower State. blus do we really mean ass electrical w about: DELAY or POWERED ters defined in Table lls below Vreset_PD". fined. If it is truly	28, however tha Pport_PD, Ppo input average p The elimination removed from t SuggestedRemedy Restore the var Response ACCEPT IN PF OBE by 396 ### ### ### Comment 396 ACCEPT. Suggested rem	at table no lo rt_PD-2P we ower, with c of the Pport able 145-28 iables and th RINCIPLE.	onger has them listed. ere previously used in the corresponding maximum t variables caused PClas he input average power s esponse Status C	e table as symbo limits of PClass s_PD and PCla	bls to describe a PD's _PD, PClass_PD-2P. ss_PD-2P to be

C/ 145 SC 145.3.8.		L 26	# 89	C/ 145 SC 14	5.3.8.6	P 188	L 23	# 91
Bennett, Ken	Sifos Technolo	ogies, In		Bennett, Ken		Sifos Techno	ologies, In	
Comment Type T	Comment Status A		PD Power	Comment Type T	Г	Comment Status A		PD Powe
PClass_PD(-2P). As	his section for draft 2.3 replace a result, the peak power limit f power limit for normal operati	or the exception				h "A single-signature PD i es that "Intrinsically meet t		
	ariables for the exception are r k_PD-2P = 1.05 x	needed for equa	ations: Ppeak_PD =	This is no longer TLim and ILim c		cause PDs can be demote stics.	ed to an assigned	d class with different
1.05 X and Fpea	$K_{PD-2P} = 1.05 X$			SuggestedRemedy				
becomes a much mor	er limit is instead referenced be e complex calculation, involvin		,	just after the list		line 23 ("A single signatu bes and capacitances.	re PD includes'	") and ending at line 36,
above inherently meet	the limits at PSE PI.			Response		Response Status C		
SuggestedRemedy				ACCEPT IN PRI	INCIPLE.			
. –	hax and Pport_PD-2P max vari	ables for this se	ection,	Part of TDL for c	comment	209.		
-or-				C/ 145 SC 14	5.2.8.9	P 157	L 13	# 92
	es which describe the maximur	n-average-pow	er limit as determined	Bullock, Chris		Cisco Syster	ns	
by the PD under the 1	•			Comment Type E	Ξ	Comment Status A		Editoria
Response ACCEPT IN PRINCIP	Response Status C LE.			In the following s	sentence,	"arecleared" needs to be	broken into two	words.
Reinstate Pport_PD m	ax and Pport_PD-2P max vari	ables for this se	ection			rops 1 V below the steady I_sec variables arecleared		
C/ 145 SC 145.3.8.	5 <i>P</i> 188	L 12	# 90	SuggestedRemedy				
Bennett, Ken	Sifos Technolo	ogies, In		Replace:				
Comment Type E	Comment Status A	-	Editorial	arecleared with:				
<i>,</i> ,	Fransient Current" have chang	ed to "Input Cu		are cleared				
table 145-28 and in th				Response		Response Status C		
SuggestedRemedy				ACCEPT.				
Change the title to "In	out Current Slew Rate".							
Response	Response Status C							

C/ 145 SC 145.2.5.7 P 125 L 7 # 93 Bullock, Chris Cisco Systems Cisco Systems	C/ 145 SC 145.2.5.7 P 122 L 21 # 95 Bullock, Chris Cisco Systems Cisco Systems <td< th=""></td<>
Comment Type TR Comment Status A PSE SD Exit conditions from CLASS_EV1_LCE_PRI, CLASS_EV2_PRI, and CLASS_EV3_PRI use "pse_avail_pwr" where they should use "pse_avail_pwr_pri" SuggestedRemedy For Exit condition from CLASS_EV1_LCE_PRI to MARK_EV1_PRI, replace "pse_avail_pwr" with "pse_avail_pwr_pri" Also for exit condition from CLASS_EV2_PRI to MARK_EV2_PRI, replace "pse_avail_pwr" with "pse_avail_pwr_pri" Also for exit condition from CLASS_EV2_PRI to MARK_EV2_PRI, replace "pse_avail_pwr" with "pse_avail_pwr_pri"	Comment Type TR Comment Status A PSE SD the variable "pse_power_update" is never assigned a value of false. SuggestedRemedy In the POWER_UPDATE state, add "pse_power_update <= FALSE"
Also for exit condition from CLASS_EV3_PRI to MARK_EV_LAST_PRI, replace "pse_avail_pwr" with "pse_avail_pwr_pri"	C/ 145 SC 145.3.1 P 160 L 26 # 96 Bullock, Chris Cisco Systems Cisco Systems
Response Response Status W ACCEPT.	Comment Type E Comment Status A PD Types Add clarity to the sentence "The PD shall be implemented to be insensitive to the polarity of the power supply" which should be applied to each mode. SuggestedRemedy
Comment Type TR Comment Status A PSE SD Exit conditions from CLASS_EV1_LCE_SEC, CLASS_EV2_SEC, and CLASS_EV3_SEC use "pse_avail_pwr" where they should use "pse_avail_pwr_sec" SuggestedRemedy	Replace: The PD shall be implemented to be insensitive to the polarity of the power supply With: The PD shall be implemented to be insensitive to the polarity of the power supply on either mode.
For Exit condition from CLASS_EV1_LCE_SEC to MARK_EV1_SEC, replace "pse_avail_pwr" with "pse_avail_pwr_sec" Also for exit condition from CLASS_EV2_SEC to MARK_EV2_SEC, replace "pse_avail_pwr" with "pse_avail_pwr_sec"	Response Response Status C ACCEPT.
Also for exit condition from CLASS_EV3_SEC to MARK_EV_LAST_SEC, replace "pse_avail_pwr" with "pse_avail_pwr_sec"	
Response Response Status W ACCEPT. V	

C/ 145	SC	145.3.2	P 161	L 27	# 97	C/ 145	SC	145.3.6		P 177	L 19	# 98
Bullock, Cl	hris		Cisco System	S		Bullock, Ch	nris		Ci	sco Systems	6	
Comment	Туре	Е	Comment Status A		Pres: Yseboodt3	Comment	Туре	TR	Comment Sta	tus A		
"Type Class	3 single 3 or les nent a r	è-signatur s	er paragraghs in this section e PDs operating up to a maxi of Multiple-Event Physical La	mum power dra	aw corresponding to	followir "PD cla	ng state assifica	ement: ation beha	-	-		suggested in the 5-29;"
,						Suggested	IRemed	ły				
Suggested		<i>y</i>				Replac		Conchata a				
Replac "Type		e-signatur	e PDs"					ntion beha n to the st	tate diagram in Fi	igure 145-26	, and Figure 14	5-29;"
0	•	ure Type						ition beha n to the st	vior: tate diagram in Fi	aure 145-26	. or Figure 145-	29:"
Response			Response Status C			Response			Response Stat	•	, - 5	- ,
ACCE	PINF	RINCIPL	E.					PRINCIPL	•			
OBE b	y 393								· - ·			
### ##	## ###					Chang	e					
	nent 393	3 has the	following response:			"shall o	conform	n to the st	ate diagram in Fig	gure 145-26,	and Figure 148	5-29;"
Sugge	sted re		17_pdclassification.pdf			to						
Αυορι	y30000	ut_00_00				"shall o	conform	n to the st	ate diagram in Fig	gure 145-26	or Figure 145-2	9;"
						C/ 145	SC	145.3.3.7		P 169	L 3	# 99
						Bullock, Ch	nris		Ci	sco Systems	5	
						Comment	Туре	TR	Comment Sta	tus A		PS SE
							_PD. 1	This comm				rect constant to use is nature PD Autoclass
						Suggested	Remed	ly				
						Replac	ce:		nto IDLE_ACS st reset + !mdi_powe	Ū.	145-28:	
						(VPD -	< VRes	et_PD) +	pd_reset + !mdi_	power_requi	red	
						Response			Response Stat	us W		
						ACCEI	PT.					

C/ 145 SC 145.3.3.12 P 173 L 2 # 100 Bullock, Chris Cisco Systems Cisco Systems	C/ 145 SC 145.3.3.9 P 170 L 11 # 101 Bullock, Chris Cisco Systems Cisco Systems
Comment Type TR Comment Status A Pres: Darshan4 Vreset is used in three places in PD state-machines. Where the correct constant to use is	Comment Type TR Comment Status A Pres: Darshand In the Dual-signature Pd state diagram, the variable "pd_current_limit" should be
Vreset_PD. This comment address the two occurences in the Dual-Signature PD State Diagram.	"pd_current_limit_mode(M)" SuggestedRemedy
SuggestedRemedy Open-ended entry arc into IDLE state: Replace:	Replace: pd_current_limit
"(VPD_mode(M) < VReset) * mdi_power_required_mode(M) * !pd_reset_mode(M)" With: "(VPD_mode(M) < VReset_PD) * mdi_power_required_mode(M) * !pd_reset_mode(M)"	With: pd_current_limit_mode(M)
Exit condition from IDLE to DO_DETECTION state: Replace: VPD_mode(M) > VReset	Occurs in three places: 1. variable definition section on page 170. 2. Inside the INRUSH state on page 174. 3. Inside the MDI_POWER1 state on page 174.
With: VPD_mode(M) > VReset_PD	Response Response Status C
Response Response Status C	ACCEPT IN PRINCIPLE.
ACCEPT IN PRINCIPLE.	OBE by 351
OBE by 351	### ###
### ### ###	Comment 351 has the following response: ACCEPT IN PRINCIPLE.
Comment 351 has the following response: ACCEPT IN PRINCIPLE.	Adopt darshan_04_0317Rev008.pdf
Adopt darshan_04_0317Rev008.pdf	C/ 145 SC 145.3.4 P 174 L 44 # 102 Bullock, Chris Cisco Systems Cisco Systems Cisco Systems Cisco Systems
	Comment Type TR Comment Status A PD Types A PD is either single-signature or dual-signature. Change "and" to "or" in 3 places in this section.
	SuggestedRemedy On page 174 - line 44, line 48, and line 50 (3 places): Replace: Figure 145-26 and Figure 145-29
	With: Figure 145-26 or Figure 145-29
	Response Response Status W ACCEPT.

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

Cl 145 Bullock, Ch	SC 145.3.6	P 177 Cisco Syster	L 14 ns	# 103	C/ 145 Bullock, Cl	SC 145.5.3.8		P 217 Cisco Systems	L 42	# 104
Comment		Comment Status A		Pres: Yseboodt3	Comment	Type TR	Comment S			Pres: Darshan3
		hat request Class 1 to 3 PDs	s optionally provid	le Data Link Layer	The "lo	ocal_system_ch	ange" variable s	hould be "local	I_system_chan	ge_mode(M)"
classifi should	ication (see 145. say:	.5).			Suggested Replac local_s	-				
classifi	ication (see 145.	hat request Class 1 to 3 may .5).	y optionally provid	le Data Link Layer	With: local_s	system_change_	_mode(M)			
Suggested	-				Response		Response St	tatus C		
		hat request Class 1 to 3 PDs .5).	s optionally provid	le Data Link Layer		PT IN PRINCIP	1	-		
	(OBE b	y 122				
	-signature PDs t ication (see 145	hat request Class 1 to 3 may	y optionally provid	de Data Link Layer	### ##	## ###				
Response		Response Status C					following respo	nse:		
ACCE	PT IN PRINCIPL	•			ACCE	PT IN PRINCIP	LE.			
OBE b	w 393				adopt	darshan_03_03	17Rev007F.pdf	with editorial lic	cense to clean u	up.
### ##	; ;# ###	following response:			C/ 145 Bullock, Cl	SC 145.5.3.9		P 219 Cisco Systems	L 3	# 105
ACCE		tollowing response.			Comment	Type TR	Comment S	tatus A		Pres: Darshan3
	sted remedy:	317_pdclassification.pdf			The va	ariable "pse_pov	ver_review" shou	uld be "pse_po	wer_reveiw_mo	ode(M)"
Adopt	ysebooul_03_00				Suggested	IRemedy				
					Replac pse_p	ce: ower_review				
					With: pse_p	ower_review_m	ode(M)			
					Response ACCE	PT IN PRINCIP	Response St	tatus C		
					OBE b	y 122				
					### ##	## ###				
						ent 122 has the PT IN PRINCIP	following respo LE.	nse:		
					adopt	darshan_03_03	17Rev007F.pdf	with editorial lic	cense to clean u	up.
		d ED/aditarial required OD		L Theshaisel Eleditorial Of	(Comment	at 10 405	Da

Comment ID 105

Page 20 of 103 3/16/2017 10:32:28 AM C/ 145 SC 145.5.3.8 P 216 C/ 145 P 221 L 34 L 37 # 106 SC 145.5.3.10 # 108 Bullock, Chris Bullock, Chris **Cisco Systems** Cisco Systems Comment Type Comment Type ER Comment Status A Pres: Darshan3 ER Comment Status A Pres: Darshan3 The Figure numbers for the dual-signature state diagrams are incorrect. The assignment of "PSEAllocatedPowerValueEcho mode(M) <= TempVar" should use the value TempVar mode(M). SuggestedRemedy SuggestedRemedy Replace: In the MIRROR UPDATE state. The PSE power control state diagram (Figure 145-43) and PD power control state diagram (Figure 145-44)use " mode(M)" Replace: PSEAllocatedPowerValueEcho mode(M) <= TempVar With: With: The PSE power control state diagram (Figure 145-47) and PD power control state diagram PSEAllocatedPowerValueEcho_mode(M) <= TempVar_mode(M) (Figure 145-48)use "_mode(M)" Response Response Status W Response Response Status C ACCEPT. ACCEPT IN PRINCIPLE. OBE by 122 C/ 30 SC 30.12.2.1.14 P 39 L 16 # 109 Darshan, Yair Mirosemi ### ### ### Comment Type TR Comment Status A Management Comment 122 has the following response: The text for aLldpXdot3LocPowerType definition "A GET attribute that returns a bit string ACCEPT IN PRINCIPLE. indicating whether the local system is a PSE or a PD and whether it is Type 1 or Type 2. The first bit indicates Type 1 or Type 2. Type 2 will also be adopt darshan 03 0317Rev007F.pdf with editorial license to clean up. indicated for Type 3 and Type 4. The attribute aLldpXdot3LocPowerTypex, if supported, provides an indication of Type 1 through Type 4. The second bit indicates PSE or PD. A C/ 145 SC 145.5.3.9 P 219 L 8 # 107 PSE shall set this bit to indicate a PSE. A PD shall set this bit to indicate a PD.:" Bullock, Chris **Cisco Systems** -contain explanations for aLldpXdot3LocPowerTypex which is not belong here. It is already defined in aLldpXdot3LocPowerTvpex. DLL Comment Type ER Comment Status A -It is not clear if the rest of the text after "The attribute aLldpXdot3LocPowerTypex, if The variable "pd power review" should be "pd power reveiw mode(M)" for dual signature supported, provides an indication of Type 1 through Type 4." relates to PDs aLldpXdot3LocPowerType or to aLldpXdot3LocPowerTypex SuggestedRemedy This should also be changed in the PD POWER REVIEW state of Figure 145-48 Remove the text "The attribute aLldpXdot3LocPowerTypex, if supported, provides an SuggestedRemedy indication of Type 1 through Type 4." Replace: Response Response Status C pd power review ACCEPT IN PRINCIPLE. With Change aLldpXdot3LocPowerType definition to "A GET attribute that returns a bit string pd power review mode(M) indicating whether the local system is a PSE or a PD and whether it is Type 1 or greater than Type 1. The first bit indicates Type 1 or greater than Type 1. The second bit indicates 2 places: variable definition section and PD POWER REVIEW state PSE or PD. A PSE shall set this bit to indicate a PSE. A PD shall set this bit to indicate a PD. See also aLldpXdot3LocPowerTypex.;" Response Response Status C ACCEPT.

IEEE 802.3bt D2.3 4-Pair PoE 3rd Working Group recirculation ballot comments

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

Comment ID 109

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C/ 145 SC 145.2.8	P 146	L 51	# 110		SC 33	Р	L	# 112
Darshan, Yair	Mirosemi			Darshan, Yair		Mirosemi		
Comment Type TR	Comment Status A	triated The ICe	PSE Power	Comment Typ		Comment Status R		Maintenance
	alance at Class 4 is not res Class 5." is not complete. I operating over 4-pairs.			1 and Typ bound ter	e 2 at POW	14 in IEEE802.3-2012: the up ER_ON state. Short circuit co elow ILIM_min up to TLIM. Cu	nditions can no arrently the area	t start below the lower between Ipeak to ILIM
than the value for Class To "aUnbalance at Class value for Class 5 PSEs o	4 is not restricted. The ICc operating in 4-pair mode."		J. J	template. IEEE802. A PSE ma lowerbour before the	Up to TLIM_ 3-2012: "33. ay remove p d template" PI current e	t. This is incorrect. Short circu _min, it starts at ILIM_min and 2.7.7 Output current-at short of ower from the PI if the PI curr in Figure 33-14. Power shall exceeds the "PSE upperbound ere is the short circuit region.	above it. It is le circuit condition ent meets or ex be removed from	egacy error. See ceeds the "PSE m the PI of a PSE
Response	Response Status C					ere is the short circuit region.		
ACCEPT IN PRINCIPLE	ce at Class 4 is not restricte	ed. The ICon-2P	-unb value is higher		acy error. W	Ve could file maintenance require and the brown color from the		
than the value for Class	5."		0	Response		Response Status W	ourion poonoi	
to:				REJECT.				
"aThe ICon-2P-unb value not restricted."	e is higher than the value fo	or Class 5 as unl	palance for Class 4 is	This is no	t in our draft			
C/ 145 SC 145.2.8.5.1	P 151	L 30	# 111	If you war	t to file a ma	aintenance request, please do	SO.	
Darshan, Yair	Mirosemi	L 30	# 111					
unbalance variable name Rpse_min/max is PSE P RPD_min/max is the PD Nominal PI resistances		rrently it is Rpair x and Rpair_PD	· _pd_min/max). _min/max.					
SuggestedRemedy								
See darshan_01_0317.p	df							
Response ACCEPT IN PRINCIPLE	Response Status C							
adopt darshan_01_0317	Rev008.pdf							

C/ 145 SC	145.2.8.8	P 155	L 12	# 113	C/ 145	SC 1	145.2.8.8	P 155	L 36	# 114		
arshan, Yair		Mirosemi			Darshan, Y	'air		Mirosemi				
Comment Type	TR	Comment Status A		Pres: Darshan6	Comment	Туре	TR	Comment Status A		Pres: Darshan		
below ILIM-2 marked shor template. Up page 154 line exceeds the be removed	2P_min up to rt circuit. This o to TLIM-2P_ e 37: "A PSE "PSE lowerb from a pairse template" in	it conditions can not start TLIM-2P. Currently the are is incorrect. Short circuit r min, it starts at ILIM-2P_n may remove power from t bund template" in Figure 1 t of a PSE before the pairs Figure 145-24 and 145-25.	ea between Ipeal egion starts at th nin and above it. he PI if the PI cu 45-24 and Figure set current excee	k-2P to ILIM-2P is e lowerbound It is legacy error. See irrent meets or e 33-25. Power shall eds the "PSE	below marke templa page 1 exceed be rem upperb	ILIM-2P d short o te. Up t 54 line ds the "F noved fro	P_min up to circuit. Thi to TLIM-2F 37: "A PS PSE lower om a pairs emplate" ir	cuit conditions can not start o TLIM-2P. Currently the and s is incorrect. Short circuit r P_min, it starts at ILIM-2P_r E may remove power from bound template" in Figure 1 set of a PSE before the pair o Figure 145-24 and 145-25	ea between Ipe egion starts at hin and above i he PI if the PI o 45-24 and Figu set current exce	ak-2P to ILIM-2P is the lowerbound t. It is legacy error. See current meets or ure 33-25. Power shall eeds the "PSE		
uggestedReme	edy				Suggested	Remed	'y					
Remove the darshan_06_		rt circuit" and the brown c	olor from the cur	rent position. See			narking "sh)317.pdf	nort circuit" and the brown c	olor from the cu	urrent position. See		
Response		Response Status C			Response			Response Status C				
ACCEPT IN	PRINCIPLE.				ACCE	PT IN P	RINCIPLE					
In figures 14	5-24 and 145	-25, change "short circuit"	to "current trans	ient"	OBE b	y 113						
This comme	ent resolves co	omment: 114			### ##	# ###						
					Comment 113 has the following response: ACCEPT IN PRINCIPLE.							
					In figu	res 145-	-24 and 14	5-25, change "short circuit"	to "current tran	nsient"		
					C/ 145	SC 1	145.2.5.7	P 120	L	# 115		
					Darshan, Y	'air		Mirosemi				
					Comment	Туре	TR	Comment Status A		PSE SI		
					variabl	es to all	low 2 finge	ng we agree that in ysebood ers and 3 fingers (Option 1 a E flexibility.	t_0117.pdf pag and 2) and upda	ge 3 we will use optional ate the state machine		
					Suggested	Remed	y .					
					If not r	esolved	l, add to To	ODO list.				
					Response			Response Status C				
					ACCE	PT IN P	RINCIPLE					
								proposal for option to allow				

Cl 145 SC 145.3.6 P 177 L 21 # 116 Darshan, Yair Mirosemi	C/ 145 SC 145.5.3.8 P 218 L 39 # 117 Darshan, Yair Mirosemi
Comment Type TR Comment Status A PD Class in the text "- shall return class_sig_A or class_sig_B in accordance with the PD's requested Class, as specified in Table 145-24 and Table 145-25, with the corresponding classification signatures specified in Table 145-24 and Table 145-25." is the first time that class_sig_A or class_sig_B are introduced. It is not clear that class_sig_A or class_sig_B are two parts of the same classification code and are not separate codes e.g. of modeA and modeB. We need to add intro text before Table 145-24. SuggestedRemedy Add the following text at page 178 after line 43: "The PD requested Class is consist of two parts code, class_sig_A and class_sig_B as described by Table 145-24 and Table 145-25." Response Response Status C ACCEPT IN PRINCIPLE. C	Comment Type TR Comment Status A Pres: Darshan3 In the text for variable pd_dll_single_or_dual "A variable in the PD power control state diagram, defined in Figure 145-44, that indicates if the PD is a single-signature PD or a dual-signature PD. Type 3 and Type 4 PD state diagrams do not use this variable." Remove the text "Type 3 and Type 4 PD state diagrams do not use this variable." since this is not correct. Dual-signature PDs are Type 3 and 4. In addition, in darshan_03_0317.pdf, it is suggested to delete this variable due to the fact that PD knows if it is single-signature or dual-signature PD so this comment may be OBE by darshan_03_0317.pdf. SuggestedRemedy See darshan_03_0317.pdf for proposed remedy.
ACCEPT IN PRINCIPLE. Change 178, 16 to: The response of the PD to Multiple-Event classification consists of two class signatures, class_sig_A and class_sig_B as described by Table 145-24 and Table 145-25. PDs implementing Multiple-Event Physical Layer classification shall present class_sig_A during DO_CLASS_EVENT1 and DO_CLASS_EVENT2 and class_sig_B during"	Response Response Status C ACCEPT IN PRINCIPLE. OBE by 122 ### ### ### ### ### Comment 122 has the following response: ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE. adopt darshan_03_0317Rev007F.pdf with editorial license to clean up. Accept up.

C/ 145 SC 145.5.3.10 Darshan, Yair	P 220 Mirosemi	L 8	# 118	C/ 145 S Darshan, Yair	SC 145.5.3.1		P 220 Mirosemi	L 8	# 120
comment Type TR Comme	nt Status A		Pres: Darshan3	Comment Type	e TR	Comment S	Status A		Pres: Darshar
TDL #268 D2.2. in the INITIALIZE state the followin Figure 145-48: Remove "pd_dll_pd			r comment #167 D2.2.	maintenan		or Type 3 and 4		ent #167 from D it can be implem	2.2 doesn't need nented in the new
SuggestedRemedy				SuggestedRen	nedy				
Remove "pd_dll_power_type<== p	parameter_type"			See darsh	an_03_0317	'.pdf			
Response Respons	e Status C			Response		Response S	tatus C		
ACCEPT IN PRINCIPLE.				ACCEPT I	IN PRINCIPL	_E.			
OBE by 122				OBE by 12	22				
### ### ###				### ### #	##				
Comment 122 has the following re ACCEPT IN PRINCIPLE.	sponse:				122 has the IN PRINCIPL	following respo _E.	inse:		
adopt darshan_03_0317Rev007F.	pdf with editorial li	icense to clean ι	ıp.	adopt dars	shan_03_031	17Rev007F.pdf	with editorial	license to clean	up.
C/ 145 SC 145.5.3.10 Darshan, Yair	P 221 Mirosemi	L 9	# 119	C/ 145 S Darshan, Yair	SC 145.5.3.1		P 202 Mirosemi	L 9	# 121
Comment Type TR Commen D2.3 DONE TDL #269 D2.2. in the INITIALIZE state the followin Figure 145-48: Remove "pse_dll_p			Pres: Darshan3 r comment #167 D2.2.	maintenan	NE Fype 3 and 4	or Type 3 and 4	clause, comm		Pres: Darshan 2.2 doesn't need nented in the new
SuggestedRemedy				SuggestedRen	nedy				
Remove "pse_dll_power_type <==	pse_power_type"			See darsh	an_03_0317	′.pdf			
	e Status C			Response		Response S	tatus C		
ACCEPT IN PRINCIPLE.				•	IN PRINCIPL				
OBE by 122				OBE by 12	22				
### ### ###				### ### ##	##				
Comment 122 has the following re ACCEPT IN PRINCIPLE.	sponse:				122 has the IN PRINCIPL	following respo _E.	nse:		

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 30 P L # 122 Darshan, Yair Mirosemi	C/ 145 SC 145.3.6 P 177 L 7 # 124 Darshan, Yair Mirosemi
Comment Type TR Comment Status A Pres: Darshan3	Comment Type TR Comment Status A PD Clas
D2.3 DONE Comment #78 from D2.2 was meant to add all new parameters related to all new TLVs (Autoclass, Measurements and dual-signature). Not all single-signature and dual-signature parameters.	In the text "After a successful DLL classification, the assigned Class changes depending on the value of PDMaxPowerValue variable, as defined in Table 145-22.", missing PDMaxPowerValue_mode(M).
SuggestedRemedy	SuggestedRemedy
 See darshan_03_0317.pdf Add to Mr. Law TODO list verify that all DLL variables in clause 30, 79 and 145.5 are in sync and complete. 	Change text to: After a successful DLL classification, the assigned Class changes depending on the value of PDMaxPowerValue variable for single signature PD and PDMaxPowerValue_mode(X) variable, as defined in Table 145-22"
Response Response Status C	Response Response Status W
ACCEPT IN PRINCIPLE.	ACCEPT IN PRINCIPLE.
adopt darshan_03_0317Rev007F.pdf with editorial license to clean up. This comment resolves comments: 55, 56, 57, 63, 70, 71, 104, 105, 106, 117, 118, 119, 120, 121, 126, 128, 399	Change text to: After a successful DLL classification, the assigned Class changes depending on the value of PDMaxPowerValue for single-signature PDs and PDMaxPowerValue_mode(X) for dual-signature PDs, as defined in Table 145-22"
	C/ 145 SC 145.3.3.12 P 174 L 26 # 125
C/ 30 SC 30.12.3.1.17 P 50 L 52 # 123	Darshan, Yair Mirosemi
Darshan, Yair Mirosemi	Comment Type TR Comment Status A Pres: Darsha
Comment Type ER Comment Status A Editorial D2.3 DONE The text "A GET attribute that returns the PD requested power value that was used by the remote system to compute the power value that is has currently allocated to the PD" has typo. The "that is has" need to be "that has" Editorial	D2.3. My response to my TDL comment #185 from D2.2 (My response to David Law comment): The issue caused by mixed use of pd_dll_enabled and pd_dll_enabled_mode(M) which was and error.
SuggestedRemedy	SuggestedRemedy
Change to: "A GET attribute that returns the PD requested power value that was used by	See proposed remedy in darshan_04_0317.pdf
the remote system to compute the power value that has currently allocated to the PD"	Response Response Status C
Response Response Status W ACCEPT.	ACCEPT IN PRINCIPLE.
ACCEPT.	OBE by 351
	### ###
	Comment 351 has the following response: ACCEPT IN PRINCIPLE.
	Adopt darshan_04_0317Rev008.pdf

<i>Cl</i> 30 <i>SC</i> 30 Darshan, Yair	P 27 Mirosemi	L 1	# 126	C/ 79 Darshan, Yair	SC 79	P 61 Mirose		L 1	# 128
Comment Type TR Clause 30 need to be up	Comment Status A dated with dual-signature r	elated paramete	Pres: Darshan3 ers	Comment Typ Clause 79	e TR need to be	Comment Status updated.	Α		Pres: Darshan3
SuggestedRemedy See darshan_03_0317.p	df			SuggestedRe See darst	medy nan_03_0317	7.pdf			
Response ACCEPT IN PRINCIPLE.	Response Status C			Response ACCEPT	IN PRINCIPI	Response Status LE.	С		
OBE by 122				OBE by 1	22				
### ### ###				### ### #	##				
Comment 122 has the fo ACCEPT IN PRINCIPLE					122 has the	following response: LE.			
adopt darshan_03_0317	Rev007F.pdf with editorial	license to clean	up.	adopt dar	shan_03_03 ⁻	17Rev007F.pdf with ed	ditorial license	e to clean up	D.
C/ 145 SC 145.3.3.12 Darshan, Yair	P 173 Mirosemi	L 1	# 127	C/ 145 Darshan, Yair	SC 145.2.8.	5.1 P 15 Mirose		L 33	# 129
с с	Comment Status A e-signature PD state diagra	m need to be u	Pres: Darshan4 odated.		-17 contain i	Comment Status resistance values of act order that Icon-2P_u	tual test verif		
SuggestedRemedy See darshan_04_0317.pd	df			SuggestedRe	,				
Response	Response Status C				nan_10_0317	7.pdf. If not ready for th	0	dd to Yair TO	DDO.
ACCEPT IN PRINCIPLE.				Response ACCEPT	IN PRINCIPI	Response Status LE.	С		
OBE by 351				OBE by 1	52				
### ### ###				### ### #	##				
Comment 351 has the fo ACCEPT IN PRINCIPLE.				Comment		following response: LE.			
Adopt darshan_04_0317	Rev008.pdf					ble 145-17: update to ents within +/-5mA rar		D resistance	range in order meet

Darshan, Yair	P 260 Mirosemi	L 51	# 130	C/ 145 SC 145.3.3.12 Darshan, Yair M	P 174 L 18 /lirosemi	# 132
We need to verify by simu	Comment Status A lations that 145A.3 test m	odel is working.	Annex	Comment Type TR Comment Sta In MDI_POWER1 state pd_current_limi remedy in darshan_02_0117.pdf		Pres: Darshan4 d not FALSE. See approved
SuggestedRemedy Add to Ken TODO list. Response F ACCEPT IN PRINCIPLE. Add TDL (Ken): verify 45/	Response Status C			SuggestedRemedy In MDI_POWER1 state: Change from pd_current_limit <==FAL To: pd_current_limit <==TRUE. See darshan_04_0317.pdf for additiona	al related changes.	
This comment resolves co	0			Response Response Sta ACCEPT IN PRINCIPLE.	atus C	
C/ 145A SC 145A.5 Darshan, Yair	<i>P</i> Mirosemi	L	# 131	OBE by 351		
Comment Type TR Annex 145A.5 is missing (is not clear what to delete darshan_05_0117Rev005 darshan_01_0317.pdf.	so he delete it all We n	eed to Implement		Comment 351 has the following respon ACCEPT IN PRINCIPLE. Adopt darshan_04_0317Rev008.pdf	se:	
SuggestedRemedy	217 pdf			C/ 145 SC 145.3.3.13	P 173 L 8	# 133
ACCEPT IN PRINCIPLE.	317.pdf. Response Status C			Darshan, Yair N Comment Type TR Comment Sta In OFFLINE state pd_dll_enable should darshan_02_0117.pdf		Pres: Darshan4 ee approved remedy in
OBE by 111 ### ### ###				SuggestedRemedy See darshan_04_0317.pdf for additiona	al related changes.	
Comment 111 has the foll ACCEPT IN PRINCIPLE.	owing response:			Response Response Sta ACCEPT IN PRINCIPLE.	atus C	
adopt darshan_01_0317R	ev008.pdf			OBE by 351		
				### ###		
				Comment 351 has the following respon		
				ACCEPT IN PRINCIPLE.	se:	

C/ 145 Darshan, Y		145.3.3.13		P 173 irosemi	L 8	# 134		C/ 145 Darshan, Y	SC 145 air	.3.3.9		⁻ 170 rosemi	L 11	# 136
Comment 1	Type	TR	Comment Stat	tus A		Pres: L	Darshan4	Comment	Type T	R	Comment Stat	us A		Pres: Darshan
In IDLE	E state	pd_dll_ena 0117.pdf	able should be p	d_dll_enable	d. See approv			pd_cur			e should be pd_c	urrent_limi	t_mode(M). See	approved remedy in
Suggestedl	Reme	dy						Suggested	Remedy					
See da	arshan	_04_0317.p	pdf for additional	related chan	iges.			See da	rshan_04	_0317.p	odf			
Response			Response Stat	us C				Response			Response Statu	is C		
ACCEF	PT IN I	PRINCIPLE	≣.					ACCER	PT IN PRI	NCIPLE	Ξ.			
OBE by	y 351							OBE b	y 351					
### ##	####							### ##	# ###					
		1 has the for PRINCIPLE	ollowing respons	e:					ent 351 ha PT IN PRIM		bllowing response):		
Adopt of	darsha	in_04_0317	7Rev008.pdf					Adopt	darshan_0	4_0317	7Rev008.pdf			
C/ 145 Darshan, Y		145.3.3.14		P 174 rosemi	L 2	# 135		C/ 145 Darshan, Y	SC 145 air	.3.3.7		⁰167 osemi	L 4	# 137
	LINE	-	Comment Stat		Ν.		PD SD		ress com	nent #1	Comment State 70 from D2.2. (R both Figure145-	emove the		PD SI n in to the 'OFFLINE'
	nove B	EGIN from	the relevant sta					Suggested						
	ot resol	ved for this	s meeting, add to						esolved, ad	da to Le	ennart's TODO lis			
Response ACCEF	PT IN I	PRINCIPLE	Response Stat ∃.	us W				Response ACCEF	PT IN PRI	NCIPLE	Response Statu	is C		
Remov	/e BEC	GIN from the	e relevant states	s.				OBE b	y 381					
								ACCEF Sugges Any so reason	ent 381 ha PT. sted remed lution I car that a volt	dy: h think o age is r	ollowing response of is way worse th never instantane	nat not har ously at a	certain value.	ular case. One can also

CI 79 SC 79.3.2.0							
Darshan, Yair	6c.2 <i>P</i> 69 Mirosemi	L 27	# 138	C/ 145 SC 145.2.5. 4 Darshan, Yair	4 <i>P</i> 105 Mirosemi	L 16	# 141
Comment Type TR	Comment Status D		LLDP	Comment Type T	Comment Status A		Editoria
	nected to a single-signature PD value 0." The intent is not clear.	and single-signat	ure	The variable "option_c option_class_prob	lassprob" doesn't exists in the	e state machine i	it needs to be
SuggestedRemedy				SuggestedRemedy			
Group to discuss and	d clarify the text to make the int	ent clear.		Change option_classp	rob to option_class_prob		
Proposed Response REJECT.	Response Status Z			Response ACCEPT IN PRINCIP	Response Status C LE.		
This comment was V	VITHDRAWN by the commente	er.		change it to 'option_cla	ass_probe'		
C/ 79 SC 79.3.2.0 Darshan, Yair	6c.3 <i>P</i> 69 Mirosemi	L 34	# 139	C/ 1 SC 1.4.418a Darshan, Yair	a P 23 Mirosemi	L 12	# 142
Comment Type TR	Comment Status D		LLDP	Comment Type E	Comment Status A		Editoria
SuggestedRemedy					cation, and accepts power on	both Modes sim	ultaneously. (See IEEE
·	d clarify the text to make the int <i>Response Status</i> Z	ent clear.		802.3, Clause 33)". The claus SuggestedRemedy Change from clause 3			
Proposed Response REJECT. This comment was V	Response Status Z	ır.		Clause 33)". The claus SuggestedRemedy			
Proposed Response REJECT. This comment was V C/ 33A SC 33A.1 Darshan, Yair	Response Status Z		# [140	Clause 33)". The claus SuggestedRemedy Change from clause 3 Response ACCEPT. Cl 1 SC 1.4.418a	3 to clause 145 <i>Response Status</i> C b <i>P</i> 23	L 15	# [143
Proposed Response REJECT. This comment was W C/ 33A SC 33A.1 Darshan, Yair Comment Type TR	Response Status Z WITHDRAWN by the commenter P 255 Mirosemi Comment Status R	er. L 12	# 140 Pres: Darshan5	Clause 33)". The claus SuggestedRemedy Change from clause 3 Response ACCEPT. Cl 1 SC 1.4.418a Darshan, Yair	3 to clause 145 <i>Response Status</i> C b <i>P</i> 23 Mirosemi	L 15	
Proposed Response REJECT. This comment was V Cl 33A SC 33A.1 Darshan, Yair Comment Type TR 33A.1 and 33A.2 was SuggestedRemedy Implement darshan_	Response Status Z VITHDRAWN by the commenter P 255 Mirosemi Comment Status R s not fully implemented in D2.2. 05_0317.pdf. If this section will	er. L 12	Pres: Darshan5	Clause 33)". The claus SuggestedRemedy Change from clause 3 Response ACCEPT. Cl 1 SC 1.4.418a Darshan, Yair Comment Type E In the text: "1.4.418ab	3 to clause 145 <i>Response Status</i> C b <i>P</i> 23 Mirosemi <i>Comment Status</i> A Type 3 PSE: A PSE that sup nd may support 4-pair power	oports up to Class	<i>Editoria</i> s 6 power levels,
Proposed Response REJECT. This comment was W Cl 33A SC 33A.1 Darshan, Yair Comment Type TR 33A.1 and 33A.2 was SuggestedRemedy Implement darshan_ maintenance request	Response Status Z WITHDRAWN by the commenter P 255 Mirosemi Comment Status R s not fully implemented in D2.2. 05_0317.pdf. If this section will t.	er. L 12	Pres: Darshan5	Clause 33)". The claus SuggestedRemedy Change from clause 3 Response ACCEPT. Cl 1 SC 1.4.418a Darshan, Yair Comment Type E In the text: "1.4.418ab supports short MPS, a clause is 145 and not SuggestedRemedy	3 to clause 145 <i>Response Status</i> C b <i>P</i> 23 Mirosemi <i>Comment Status</i> A Type 3 PSE: A PSE that sup nd may support 4-pair power 33.	oports up to Class	<i>Editoria</i> s 6 power levels,
Proposed Response REJECT. This comment was W Cl 33A SC 33A.1 Darshan, Yair Comment Type TR 33A.1 and 33A.2 was SuggestedRemedy Implement darshan_ maintenance request Response	Response Status Z VITHDRAWN by the commenter P 255 Mirosemi Comment Status R s not fully implemented in D2.2. 05_0317.pdf. If this section will	er. L 12	Pres: Darshan5	Clause 33)". The claus SuggestedRemedy Change from clause 3 Response ACCEPT. Cl 1 SC 1.4.418a Darshan, Yair Comment Type E In the text: "1.4.418ab supports short MPS, a clause is 145 and not	3 to clause 145 <i>Response Status</i> C b <i>P</i> 23 Mirosemi <i>Comment Status</i> A Type 3 PSE: A PSE that sup nd may support 4-pair power 33.	oports up to Class	<i>Editoria</i> s 6 power levels,
Proposed Response REJECT. This comment was W Cl 33A SC 33A.1 Darshan, Yair Comment Type TR 33A.1 and 33A.2 was SuggestedRemedy Implement darshan_	Response Status Z WITHDRAWN by the commenter P 255 Mirosemi Comment Status R s not fully implemented in D2.2. 05_0317.pdf. If this section will t. Response Status C	er. L 12	Pres: Darshan5	Clause 33)". The claus SuggestedRemedy Change from clause 3 Response ACCEPT. Cl 1 SC 1.4.418a Darshan, Yair Comment Type E In the text: "1.4.418ab supports short MPS, a clause is 145 and not SuggestedRemedy	3 to clause 145 <i>Response Status</i> C b <i>P</i> 23 Mirosemi <i>Comment Status</i> A Type 3 PSE: A PSE that sup nd may support 4-pair power 33.	oports up to Class	<i>Editoria</i> s 6 power levels,

C/ 1 SC 1.4.418a Darshan, Yair	nc P 23 Mirosemi	L 19	# [144	<i>Cl</i> 145 Darshan, Y	SC 145.2.5.6 air	6 P 113 Mirosemi	L 38	# 147
Comment Type E	Comment Status A		Editorial	Comment	Гуре Т	Comment Status A		Pres: Yseboodt6
In the text: "Type 4 PE classification, impleme Multiple-Event classific power on both	0: A PD that requests Class 7 ents cation, is capable of Data Linl 7. (See IEEE 802.3, Clause 33	c Layer classifica	tion, and accepts	In the t to be p Suggested	ext: "pd req pwr d_req_pwr_prol <i>Remedy</i>	probe: This variable contain be. wr probe" To: "pd_req_pwr_	·	Class of the PD." it has
SuggestedRemedy				Response		Response Status C		
Change from clause 3	3 to clause 145			ACCE	PT IN PRINCIPI	_E.		
Response ACCEPT.	Response Status C			OBE b				
C/ 1 SC 1.4.418a Darshan, Yair	d P 23 Mirosemi	L 22	# 145			following response: _E.		
4-pair power. (See	Comment Status A SE: A PSE that supports up to 3)". The clause is 145 and not	·	Editorial evels, short MPS, and	Adopt y approp	, – –	B15_classification.pdf while	changing ".done"	to _done where # 148
SuggestedRemedy Change from clause 3	3 to clause 145			Darshan, Y	air	Mirosemi	20	# [146
Response ACCEPT.	Response Status C			reques	ext "If pse_avai ted Class by the	Comment Status A I_pwr is less than 4, this var PSE; see pq_req_pwr_probe (2) IN "pq_req_pwr_probe"	be." two Typos: (1) in "by the PSE" it
C/ 145 SC 145.2.8	P 144	L 38	# 146	Suggested	5	(z) iii pq_ieq_pwi_pione		eq_pwi_pione .
Darshan, Yair Comment Type T Editor to explain what	Mirosemi <i>Comment Status</i> D was the change in item 5, Cla	ass 5 in Table 33	Editorial	reques this va	ted Class by the	avail_pwr is less than 4, this e PSE; see pq_req_pwr_pro ontain the actual requested	be." To: "If pse_a	wail_pwr is less than 4,
SuggestedRemedy				Response	•	Response Status C		
Editor?				ACCE	PT IN PRINCIPI	_E.		
Proposed Response REJECT.	Response Status Z			"If p		less than 4 and option_clas		
This comment was WI	ITHDRAWN by the commenter	er.		contair	i the actual requ	ested Class by the PD; see	do_class_probe.	

C/ 145 SC 145.2.5.4 P 105 L 17 # 149 Darshan, Yair Mirosemi	C/ 145A SC 145A.3 P 260 L 53 # 151 Darshan, Yair Mirosemi
Comment Type TR Comment Status A PSE SD option_class_probe variable description says "This variable indicates if the PSE should determine the requested Class of the PD when pse_avail_pwr is less than 3." and the point for this feature was in case of available power of class 3 or lower to use the do_class_probe function. It should be "pse_avail_pwr is less than3 or equal to 3"	Comment Type TR Comment Status A Annex The verification circuit and procedure need to be validated by simulation or lab tests. SuggestedRemedy To add to KEN TODO list.
SuggestedRemedy Change from "pse_avail_pwr is less than 3. To "pse_avail_pwr is less than 3 or equal to 3."	Response Response Status C ACCEPT IN PRINCIPLE.
Response Status W ACCEPT IN PRINCIPLE. Change from "pse_avail_pwr is less than 3. To "pse_avail_pwr is less than 4."	OBE by 130 ### ### ###
Cl 145 SC 145.2.8.5 P 147 L 49 # 150 Darshan, Yair Mirosemi Mirosemi Pres: Darshan2 Comment Type TR Comment Status D Pres: Darshan2	Comment 130 has the following response: ACCEPT IN PRINCIPLE. Add TDL (Ken): verify 45A.3 through simulations.
clause 145.2.8.5 Continuous output current capability in the POWER_ON state needs some clarifications due to the changes made in D2.2.	Cl 145 SC 145.2.8.5.1 P 151 L 33 # 152 Darshan, Yair Mirosemi
SuggestedRemedy Implement darshan_02_0317.pdf Proposed Response Response Status Z	Comment Type TR Comment Status A Pres: Darshan10 The significant digits of the resistance numbers in Table 145-17 need to be update to meet 1%/TBD resistance range in order meet Icon-2P_unb requirements within +/-5mA range
REJECT. This comment was WITHDRAWN by the commenter.	SuggestedRemedy Add to Yair TODO list if not ready for the meeting. Response Response Status C ACCEPT IN PRINCIPLE.
	Add to TDL (Yair): Table 145-17: update to meet 1%/TBD resistance range in order meet lcon-2P_unb requirements within +/-5mA range

This comment resolves comment: 129

Darshan, Yair Mirosemi Darshan, Yair Mirosemi Comment Type E Comment Status A Editorial Comment Type E Comment Status NA PSE Pow all_pwrd_pri and all_pwrd_sec variables arecleared (see Figure 145-13)." it is "are cleared". In the text "PClass-2P is the class power (as defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power ioss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD that advertised a different class signature on each pairset." is not accurate. Response Response Status C ACCEPT. Comment Status NA See above. Suggested/Remedy Some above. Darshan, Yair NACCEPT. Some above. Some above. Suggested/Remedy Some above. Some above. Suggested/Remedy Some above. Some above. Suggested/Remedy Some above. Some above. ACCEPT. Some above. Some above. Suggested/Remedy Some above. Some above. Sugg	Comment Type E Comment Status A Editorial Type T Comment Status A Editorial Type T Comment Status A Editorial Type T Comment Status A PSE Pow IL pwrd prior TOff starts when VPSE drops 1 V below the steady-state value after the all pwrd prior and all pwrd prior Status are releared (see Figure 145-13)." it is "are cleared". SuggestedRemedy See above. Response Response Status C ACCEPT. Comment Status A PSE Pow Change from: This parameter only applies to PSEs operating both pairsets and connected to a dual-signature OP that advertised a different class signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature OP that advertised a different class signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature OP that advertised a different class signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD. The tadvertised a different class signature on each	C/ 145 SC 145.2.8.9	P 157	L 13	# 153	C/ 145	SC	145.2.8.11	P 157	L 26	# 154
Type in "TOff starts when VPSE drops 1 V below the steady-state value after the att_pwrd_pri and alt_pwrd_sec variables arecleared (see Figure 145-13)." It is 'are cleared'. Suggested/Remedy See above. Response Response Status C ACCEPT. In the Support of the steady-state value after the steady	Type in TOff starts when VPSE drops 1 V below the steady-state value after the att_pwrd_pri and alt_pwrd_sec variables arecleared (see Figure 145-13)." it is "are cleared". SuggestedRemedy See above. Response Response Status C ACCEPT. In the few TOff starts when VPSE drops 1 V below the steady-state value after the start only applies to PSEs operating both paireets and connected to a full-signature PD that advertised a different class signature on each paireet." is contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a full-signature PD that advertised a different class signature on each paireet. I's contusing a paireet. This parameter only applies to PSEs operating both pairests and connected to a dual-signature PD that advertised a different class signature on each paireet. This parameter only applies to PSEs operating both paireets and con	Jarshan, Yair	Mirosemi			Darshan, Y	⁄air		Mirosemi		
alt_pwrd_pri and alt_pwrd_sec variables arecleared (see Figure 145-13).* it is "are cleared". Suggested/Remedy See above. Response Response Status C ACCEPT. acCECPT.	alt_pwrd_pri and alt_pwrd_sec variables arecleared (see Figure 145-13)." it is "are cleared". Suggested/Remedy See above. Response Response Status C ACCEPT. Response Response Status C ACCEPT. Response Response Status C C C C C C C C C C C C C C C C C C C	Comment Type E	Comment Status A		Editorial	Comment	Туре	TR	Comment Status A		PSE Powe
PClass-2P is applicable for all dual-signature use cases same class or different class per pairset. SuggestedRemedy Change from: "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD that advertised a different class signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD. "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD. "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD." Response Response Status W ACCEPT IN PRINCIPLE. OBE by 372 ### ### ### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).	PClass-2P is applicable for all dual-signature use cases same class or different class per pairset. SuggestedRemedy Change from: "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD that advertised a different class signature on each pairset." To: "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD." "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD." "Response Response Status W ACCEPT IN PRINCIPLE. OBE by 372 ### ### ### Comment 372 has the following response: ACCEPT IN PRINCIPLE. OWE paragraph 3 to 145.2.7 (editor to find proper place).	alt_pwrd_pri and alt_pwr SuggestedRemedy See above. Response	rd_sec variables arecleared			allocat param pairset on eac The pa dual-si a) This	ed pow eter on ts and o ch pairs art "This ignatur s part is	ver (as defin ly applies to connected to set." is not a s paramete e PD that a s accurate "	ned in 79.3.2.6) added to the o PSEs operating both to a dual-signature PD that accurate. or only applies to PSEs oper dvertised a different class s This parameter only applies	e channel power advertised a diff ating both pairse signature on eac	r loss for a pairset. This erent class signature ets and connected to a h pairset." is confusing:
Change from: "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD that advertised a different class signature on each pairset." To: "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD." <i>Response</i> Response Status W ACCEPT IN PRINCIPLE. OBE by 372 ### #### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (defitor to find proper place).	Change from: "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD that advertised a different class signature on each pairset." To: "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD." Response Response Status W ACCEPT IN PRINCIPLE. OBE by 372 ### #### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).					b) This PClass	s part ". s-2P is	that adve	rtised a different class signa		
"PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD that advertised a different class signature on each pairset." To: "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD." Response Response Status W ACCEPT IN PRINCIPLE. OBE by 372 ### #### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).	 "PClass-2P is the class power defined in 145.2.7 and Equation (145-3), or PSE allocated power (as defined in 79.3.2.6) added to the channel power loss for a pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD that advertised a different class signature on each pairset. This parameter only applies to PSEs operating both pairsets and connected to a dual-signature PD." <i>Response</i> Response Status W ACCEPT IN PRINCIPLE. OBE by 372 ### ### Comment 372 has the following response: ACCEPT IN PRINCIPLE. Move paragraph 3 to 145.2.7 (editor to find proper place). 					Suggestea	IRemed	dy			
ACCEPT IN PRINCIPLE. OBE by 372 ### ### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).	ACCEPT IN PRINCIPLE. OBE by 372 ### ### ### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).				Change fro "PClass-2 power (as parameter PD that ac To: "PClass-2 power (as parameter			3.2.6) added to the channel o PSEs operating both pairs erent class signature on eac power defined in 145.2.7 an 3.2.6) added to the channel	power loss for a sets and connec ch pairset." Id Equation (145 power loss for a	a pairset. This ted to a dual-signature 5-3), or PSE allocated a pairset. This	
OBE by 372 ### ### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).	OBE by 372 ### ### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).								•		
### ### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).	### ### Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).					ACCE	PT IN I	PRINCIPLE			
Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).	Comment 372 has the following response: ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).					OBE b	y 372				
ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).	ACCEPT IN PRINCIPLE. - Move paragraph 3 to 145.2.7 (editor to find proper place).					### ##	## ###				
									e		
									45.2.7 (editor to find proper	place).	

<i>Cl</i> 145 <i>SC</i> 145.2.11 Darshan, Yair	P 159 Mirosemi	L 42	# 155	<i>Cl</i> 145 <i>SC</i> 145.3.6 Darshan, Yair	P 177 Mirosemi	L 15	# 157
Comment Type E Col	mment Status A		Editoria	Comment Type TR	Comment Status A		PD Class
In the text "A powering a dual	-signature PD over bot	th pairsets:" miss	sing "PSE".		ture PDs that request Class	4 or higher and o	dual-signature PDs
SuggestedRemedy Change to "A PSE powering	."				nature PDs with lower than eated as single-signature cla		airsets doesn't need
Response Res	ponse Status C			SuggestedRemedy			
ACCEPT.				Change from: "Single-si shall provide DLL	ignature PDs that request C	ass 4 or higher a	nd dual-signature PDs
C/ 145 SC 145.3.6 Darshan, Yair	P 177 Mirosemi	L 14	# 156		Ds that request Class 4 or hi er on at least one of its mod		
Comment Type E Col	mment Status A		Pres: Yseboodt3	Response	Response Status C	·	
In the text "Single-signature F Layer classification (see 145.		1 to 3 PDs optio	nally provide Data Link	ACCEPT.	,		
SuggestedRemedy				C/ 145 SC 145.3.8	P 182	L 10	# 158
Change to: "Single-signature Layer classification (see 145.)		s 1 to 3 optional	y provide Data Link	Darshan, Yair	Mirosemi		
	ponse Status C			Comment Type TR	Comment Status D		PD Power
ACCEPT IN PRINCIPLE.				Table 145-28 item 3 (Vo and 4.	overload-2P): The maximum	value=57V is mi	ssing for both types 3
OBE by 393				SuggestedRemedy Merge the maximum va	lue of Table 145-28 item 3	(Voverload-2P) a	nd set it to 57V.
### ### ### Comment 393 has the followi ACCEPT.	ng response:			Proposed Response REJECT.	Response Status Z		
Suggested remedy: Adopt yseboodt_03_0317_pd	classification.pdf			This comment was WIT	HDRAWN by the commenter	er.	
				C/ 145 SC 145.3.8.6	P 188	L 49	# 159
				Darshan, Yair	Mirosemi		
				Comment Type ER The text in page 188 lin 145-29	Comment Status A es 49-53 addressing Table 1	45-29 should be	Editoria located before Table
				SuggestedRemedy			
				•••	r lines 49-53 in page 188.		
				Response ACCEPT IN PRINCIPLI	Response Status W E.		

C/ 145 SC	145.3.2	P 161	L 18	# 160	C/ 145	SC	145.2.6.6	P 136	L 54	# 162
Darshan, Yair		Mirosemi			Darshan, `	/air		Mirosemi		
Comment Type	TR	Comment Status A		PD Types	Comment	Туре	TR	Comment Status D		Pres: Darshan7
same argum	ients used f	no need to mandate DLL for o for single-signature PDs. We s 4 and 5 mandatory as in si	e need to make	e dual-signature class 1-	http:// comm	vww.ie ent #24	ee802.org/3 45 D2.2 was	tover file page 12 and 13 in 3/bt/public/jan17/stover_02_ s not addressed fully.	_0117_rev04.pdf	
SuggestedReme	edy							Open circuit criteria: If a PS .4) determines that the impe		
-Dual 1st rov changes in th -Dual 2nd ro changes in th 2) Add a not	w: PD Class he content w: PD Clas he content e reference	Type 3 dual-signature PD ro s column; 1-3, Data Link Laye of the other columns. s column; 4, Data Link Laye of the other columns. d to DS PD DLL Optional en ested class on both modes a	er Classificatior [·] Classification try: "Data Link	n column; Optional. No column; Mandatory. No Layer Classification is	the tdl backo OPEN	oo_time ff or no don't o e OPE	er interval." t while the do backoff N and do ba	10, it may optionally conside allows the user when the ir state machine has one choir and if it is invalid do backoff ackoff.	mpedance is OP ce; the state ma	PEN to implement thine says if it is
, ,	i i i le iequi			equal to 5.	00		,	and remedy in darshan_07_	_0317.pdf if read	ly for the meeting, if not
Response ACCEPT.		Response Status C			-Resto	re opti	list. OR, on_tdbo_or DO list.	nit variable and it related tex	xt in the state m	achine as was in D2.2
C/ 79 SC	79.3.2.6a	P 68	L 19	# 161	Proposed			Response Status Z		
Darshan, Yair		Mirosemi			REJE	CT.				
Comment Type	TR	Comment Status A		Pres: Darshan8	 1 ·					
related to du and in its con Example: In be "79.3.2.6a	ial-signature ntent. the text "79 a Dual-sign ome of the i	79.3.2.6c.2, 79.3.2.6c.3, 79. e devices but doesn't specify 0.3.2.6a PD requested power ature PD requested power va- tems above is wrong and inv	it explicitly in the value Mode A and A	he title of the subclaus and Mode B" it should nd Mode B". Also the	This c	ommer	it was with	HDRAWN by the commente	97.	
SuggestedReme	edy									
See darshan	n_08_0317.	pdf. If not ready for the meet	ing, ADD it to tl	he TODO list.						
Response ACCEPT IN	PRINCIPLI	Response Status C E.								
adopt darsha	an_08_0317	7_final.pdf with editorial licer	nse to fix gramr	mar.						
This comme	nt resolves	comments: 191, 193, 404, 4	05							

Comment ID 162

Cl 145 SC Darshan, Yair	145.2.5.7	P 122 Mirosemi	L 22	# 163	C/ 145 SC 145.2.5.7 P 120 L 21 # 165 Darshan, Yair Mirosemi	
Comment Type	TR	Comment Status A		DLL	Comment Type TR Comment Status D Pres: Dat	arshan11
action in the set to False.	main state The issue i "pse_power	et in the DLL state diagram F diagram, where, after the up s that this part is missing fro r_update <= FALSE" to POV	odate is done, the	e variable should be E state diagram. We	PSE State machine needs some updates. SuggestedRemedy See darshan_11_0317.pdf	
SuggestedReme					Proposed Response Response Status Z	
add "pse_pov	wer_update	e <= FALSE" to POWER_ON first IF statement.	√ state in Figure	145-13 state	REJECT. This comment was WITHDRAWN by the commenter.	
Response ACCEPT.		Response Status C			C/ 145 SC 145.2.7.2 P 143 L 29 # 166 Darshan, Yair Mirosemi	
OBE by 95					Comment Type TR Comment Status D Pres: Date The text "that "Average power is calculated using any sliding window with a width in the range of TAUTO_Win-dow as defined in Table 145-15." is not clear	
ACCEPT. Suggested re	emedy:	lowing response: E state, add "pse_power_up	data - EALSE	n	SuggestedRemedy See darshan_11_0317.pdf	
	145.3.8.2	P 184 Mirosemi	L 11	# 164	Proposed Response Response Status Z REJECT.	
Comment Type	TR	Comment Status D		Pres: Darshan12	This comment was WITHDRAWN by the commenter.	
In the text "P assigned Cla	PClass_PD a ass. PClass	and PClass_PD-2P in Table _PD values for each Class a	are shown in Tab	ermined per the ble 145-24, PClass_PD-	C/ 145 SC 145.3.8.4 P 186 L 39 # 167 Darshan, Yair Mirosemi	
Table 145-24	4 and Table	s are shown in Table 145-25 145-25. In addition some in _PD-2P should be met.			Comment Type TR Comment Status A Pres: Da Proposed Remedy for comment #385 D2.2 regarding Irms. If Pclass_PD is met	Darshan9
SuggestedReme	edy				SuggestedRemedy	
Soo dareban	n_12_0317.µ	odf			See darshan_09_0317.pdf	
See uaishah		Response Status Z			Response Response Status C	
Proposed Respon REJECT.	onse				ACCEPT IN PRINCIPLE.	

C/ 145 SC 145.2.8 P 144 O Darshan, Yair Mirosemi Mirosemi	L 39 # 168	C/ 145 SC 145.1.3 P 89 L 37 # 170 Jones, Chad Cisco Cisco
Comment Type TR Comment Status D Increasing Icon-2P_unb, Ipeak_2P_unb, ILIM-2P for the r	Pres: Darshan10 next highest possible integer	Comment TypeEComment StatusRPSE TypesType 4 - 2 or 4 pairs? Type 4 systems only run in 2P mode under fault.
SuggestedRemedy darshan_10_0117.pdf		SuggestedRemedy change row 2 column 3 from '2 or 4' to '4'
Proposed Response Response Status Z REJECT.		Response Response Status C REJECT.
This comment was WITHDRAWN by the commenter.		Not true. Type 4 systems have to be 4-pair capable, but are not restricted from operating over 2-pairs when sourcing class 4 or below.
Darshan, Yair Mirosemi	L 32 # 169	C/ 145 SC 145.2.1 P 91 L 30 # 171 Jones, Chad Cisco
Comment Type TR Comment Status A In Table 145-22 Replace "PDMaxPowerValue_mode(M)" "PDMaxPowerValue_mode(X)" and "Assigned Class for Mode M" with "Assigned Class for Mode X"	Pres: Darshan4 with	Comment Type E Comment Status D PSE Types Table 145-2, row 2, column 3. Why is this not Class 1 to 4? SuggestedRemedy
SuggestedRemedy See above.		change to 'Class 3 to 4' to 'Class 1 to 4'
Response Response Status C ACCEPT IN PRINCIPLE.		Proposed Response Response Status Z REJECT.
OBE by 351		This comment was WITHDRAWN by the commenter.
### ### ###		C/ 145 SC 145.2.7.1 P 140 L 54 # 172 Jones, Chad Cisco <
Comment 351 has the following response: ACCEPT IN PRINCIPLE.		Comment Type E Comment Status A Editoria extraneous '_' character hanging around (though I can't select it in the PDF. Surely it's
Adopt darshan_04_0317Rev008.pdf		some Frame error) SuggestedRemedy delete last character of the page.
		Response Response Status C ACCEPT. C

C/ 145 S	C 145.2.8	P 146	L 7	# 173	C/ 145	SC	145.3.1	P 1	60	L 35	# 176
Jones, Chad		Cisco			Jones, Cha	d		Cisco)		
Comment Type	E	Comment Status R		PSE Power	Comment 7	Гуре	т	Comment Status	R		PD Type
	s some reaso	why don't we list 60W as the on I'm forgetting. If there is re			without	perma D is n	anent dam ot specifie		range l	between 0V and 5	at the PI indefinitely 57V where the behavior ng indefinitely without
	item 13, ma	x for type 3			Suggestedl	Remea	ly				
Response	nom ro, ma				DELET	E THE	SENTEN	ICE			
REJECT.		Response Status C			Response			Response Status	С		
NEJECT.					REJEC	Э.		,	-		
That would	require limit	ing Type 3 to 60W when it ne	eeds to source 6	OW for class 6.	l h elieu						et if a DD was left in
-	C 145.2.8.9	P 157	L 13	# 174				old) that this require ot damage itself (fro			
lones, Chad		Cisco			We nee	ed som	ne sort of i	requirement for this.			
Comment Type		Comment Status A		Editorial							
	space betwee (see Figure	en 'are' and 'cleared': "alt_pw 145-13)"	vrd_pri and alt_pv	vrd_sec variables	<i>Cl</i> 145 Jones, Cha		145.3.6	P 1 Cisco		L 2	# 177
SuggestedRem	nedy				Comment T	Гуре	TR	Comment Status	Α		Pres: Ysebood
change to:	"alt_pwrd_pi	i and alt_pwrd_sec variables	s are cleared (see	e Figure 145-13)"							rom the PSE during
Response ACCEPT.		Response Status W			PD dra	ws;" th	is may be	cation (see 33.5) but true (to my displeas PD asking for more	sure) bu	it there is no reas	
C/ 145 Silones, Chad	C 145.2.11	P 159 Cisco	L 42	# 175	Suggestedl		•				
Comment Type		Comment Status A ature PD over both pairsets:	" a what? A PSF	Editorial	the PSI	E durin	ng Data Li	ot limit the maximur nk 2 Layer classifica le PD draws;"			D may request from nues to limit the
					Response			Response Status	С		
SuggestedRem add PSE: "		ring a dual-signature PD ove	er both pairsets:"		ACCEF	PT IN F	PRINCIPL	E.			
Response		Response Status W			OBE by	y 393					
ACCEPT.					ACCEF Sugges	ent 393 PT. sted rei	medy:	following response: 17_pdclassification.	pdf		

Cl 145 SC 145.3.6 P177 L3 # 178 Jones, Chad Cisco Comment Type E Comment Status A Pres: Yseboodt3 Jones, Chad Cisco Comment Type E Comment Type (E Comment Type (E) Comment Status (E) Comment Type (E) Comme						
Comment Type E Comment Status A Pres: Yseboodd3 if comment to delete third bullet under 'the requested class of the PD' is accepted the section now reads like this: The requested Class of the PD: ? The requested Class of the PD: ? - is the Class a PD advertises during Physical Layer classification when connected to a Type 4, Class 8 PSE; The requested Class of a PD of awas across all input voltages and operational modes; Comment Type TR Comment Status A ' is the Class a PSE; - is the maximum power that a Type 3 or Type 4 PD shall draw. ? ? Comment Type TR Comment Status A ''s is the maximum power that a Type 3 or Type 4 PD shall draw. ? ? Response Response Status W SuggestedRemedy The requested Class of the PD is the Class a PD advertises during Physical Layer Class 6 PSE and is the maximum power that a Type 4 or Type 4, Class 8 PSE and is the maximum power that a PD draws across all input voltages and operational modes. The requested Class of the PD is the Class 8 PSE and is the maximum power that a PD draws across all input voltages and operational modes. The requested Class of the PD is the Class 8 PSE and is the maximum power that a Dype 4, Class 8 PSE and is the maximum power that a Dype 4, Class 8 PSE and is the maximum power that a Dype 4, Class 8 PSE and is the maximum power that a Dype 4, Class 8 PSE and is the maximum power that a Dype 4, Class 8 PSE and is the maximum power that a Dype 4, Class 8 PSE and is the maximum power that a Type 3 or Type 4 PD shall draw. ?	quested by the PD					
 if comment to delete third bullet under 'the requested class of the PD' is accepted the section now reads like this: The requested Class of the PD: ? is the Class a PD advertises during Physical Layer classification when connected to a Type 4, Class 8 PSE; is the maximum power that a PD draws across all input voltages and operational modes; is the maximum power that a Type 3 or Type 4 PD shall draw. ? is the maximum power that a Type 3 or Type 4 PD shall draw. ? is the maximum power that a Type 3 or Type 4 PD shall draw. ? is the maximum power that a Type 3 or Type 4 PD shall draw. ? is the maximum power that a Type 3 or Type 4 PD shall draw. ? is the maximum power that a Type 3 or Type 4 PD shall draw. ? is the maximum power that a Type 3 or Type 4 PD shall draw. ? is the maximum power that a Type 3 or Type 4 PD shall draw. ? Response Response Status C ACCEPT IN PRINCIPLE. OBE by 393 ### ### ### Comment 33 has the following response: ACCEPT. WH #### ### Suggested remedy: Suggested remedy: 	quested by the PD					
section now reads like this: The requested Class of the PD:? - is the Class a PD advertises during Physical Layer classification when connected to a Type 4. Class 8 PSE; - is the maximum power that a PD draws across all input voltages and operational modes; ? - is the maximum power that a Type 3 or Type 4 PD shall draw. ? ? it now reads awkward and the last bullet is simply restating the second bullet to make a compliance statement. How about rewriting it like this (see suggested remedy) SuggestedRemedy SuggestedRemedy The requested Class of the PD is the Class a PD advertises during Physical Layer classification when connected to a Type 4. Class 8 PSE and is the maximum power that a PD draws across all input voltages and operational modes. The requested Class of the PD is the Class a PD advertises during Physical Layer classification when connected to a Type 4. Class 8 PSE and is the maximum power that a PD draws across all input voltages and operational modes. The requested Class of the PD is the Class a PD advertises during Physical Layer classification when connected to a Type 4 PD shall draw. ? Response Response Status C ACCEPT IN PRINCIPLE. OBE by 393 ### ### #### Comment 393 has the following response: ACCEPT IN PRINCIPLE. OBE by 393 ### ### #### Comment 393 has the following response: ACCEPT IN PRINCIPLE. OBE by 393 ### ### ### Comment 393 has the following response: ACCEPT IN PRINCIPLE. OBE by 393 ### ### #### Comment 393 has the following response: ACCEPT IN PRINCIPLE. OBE by 393 ### ### #### Comment 393 has the following response: ACCEPT IN PRINCIPLE. OBE by 393 ### ### #### Comment 393 has the following response: ACCEPT IN PRINCIPLE. OBE by 393 ### ### ####						
Type 4, Class 8 PSE; Suggested/Refinedy - is the maximum power that a PD draws across all input voltages and operational modes; change to : "The requested Class on a pairset is the maximum amount of signature PD shall draw on that pairset." - is the maximum power that a Type 3 or Type 4 PD shall draw. ? Response Response Status W Suggested/Remedy The requested Class of the PD is the Class a PD advertises during Physical Layer classfication when connected to a Type 4, Class 8 PSE and is the maximum power that a Type 3 or Type 4 PD shall draw. ? OBE by 37 Response Response Status C ACCEPT IN PRINCIPLE. OBE by 393 ### #### ### ### #### Comment 393 has the following response: ACCEPT. OBE by 393 ### #### #### Comment 393 has the following response: ACCEPT. Suggested remedy: Adopt yseboodt_03_0317_pdclassification.pdf						
 is the maximum power that a PD draws across all input voltages and operational modes; is the maximum power that a Type 3 or Type 4 PD shall draw. ? is the maximum power that a Type 3 or Type 4 PD shall draw. ? it now reads awkward and the last bullet is simply restating the second bullet to make a compliance statement. How about rewriting it like this (see suggested remedy) Suggested Remedy The requested Class of the PD is the Class a PD advertises during Physical Layer classification when connected to a Type 4, Class 8 PSE and is the maximum power that a Type 3 or Type 4 PD shall draw. ? Response Response Status C ACCEPT IN PRINCIPLE. OBE by 393 ### ### ### Comment 393 has the following response: ACCEPT. Suggested remedy: 	SuggestedRemedy					
? Interpretent of the function o	of power the dual-					
it now reads awkward and the last bullet is simply restating the second bullet to make a compliance statement. How about rewriting it like this (see suggested remedy) ACCEPT IN PRINCIPLE. SuggestedRemedy The requested Class of the PD is the Class a PD advertises during Physical Layer classification when connected to a Type 4, Class 8 PSE and is the maximum power that a PD draws across all input voltages and operational modes. The requested Class of the PD is the Type 3 or Type 4 PD shall draw. ? ### #### #### Response Response Status C ACCEPT IN PRINCIPLE. OBE by 393 ### ### ### Comment 393 has the following response: ACCEPT. Suggested remedy: Suggested remedy: Suggested remedy:						
SuggestedRemedy OBE by 37 The requested Class of the PD is the Class a PD advertises during Physical Layer ### ### ### classification when connected to a Type 4, Class 8 PSE and is the maximum power that a PD draws across all input voltages and operational modes. The requested Class of the PD is the maximum power that a Type 3 or Type 4 PD shall draw. ? ### ### ### Response Response Status C ACCEPT IN PRINCIPLE. OBE by 393 ### ### ### OBE by 393 Comment 393 has the following response: ACCEPT. ### ### #### Suggested remedy: Suggested remedy: Adopt yseboodt_03_0317_pdclassification.pdf						
The requested Class of the PD is the Class a PD advertises during Physical Layer ### ### ### classification when connected to a Type 4, Class 8 PSE and is the maximum power that a PD draws across all input voltages and operational modes. The requested Class of the PD is the maximum power that a Type 3 or Type 4 PD shall draw. ? Comment 37 has the following response: Response Response Status C OBE by 393 ACCEPT IN PRINCIPLE. ### ### OBE by 393 Comment 393 has the following response: ### ### ### Comment 393 has the following response: ACCEPT. Suggested remedy: Suggested remedy: Adopt yseboodt_03_0317_pdclassification.pdf						
PD draws across all input voltages and operational modes. The requested Class of the PD is the maximum power that a Type 3 or Type 4 PD shall draw. ?						
ACCEPT IN PRINCIPLE. OBE by 393 OBE by 393 ### ### ### OBE by 393 ### ### ### Comment 393 has the following response: ### ### ### Comment 393 has the following response: ACCEPT. Suggested remedy: Suggested remedy: Comment 293 has the following response: ACCEPT. Suggested remedy:						
ACCEPT IN PRINCIPLE. Bellowing response: Bell						
OBE by 393 Comment 393 has the following response: ### ### ACCEPT. ### ### Suggested remedy: Comment 393 has the following response: Adopt yseboodt_03_0317_pdclassification.pdf ACCEPT. Suggested remedy: Suggested remedy: Adopt yseboodt_03_0317_pdclassification.pdf						
### ### Suggested remedy: Comment 393 has the following response: Adopt yseboodt_03_0317_pdclassification.pdf ACCEPT. Suggested remedy: Suggested remedy: Suggested remedy:						
Adopt yseboodt_03_0317_pdclassification.pdf						
C/ 145 SC 145.3.6 P 177 L 14 # 179 Jones, Chad Cisco Cisco Cisco Cisco						
Comment Type ER Comment Status A Editorial Extra 'PDs' in the sentence: "Single-signature PDs that request Class 1 to 3 PDs optionally						
provide Data Link Layer classification".						
SuggestedRemedy						
delete PDs: "Single-signature PDs that request Class 1 to 3 optionally provide Data Link Layer classification"						
Response Response Status W						
ACCEPT.						

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

C/ 145 SC 145.3.8.1	0 <i>P</i> 190	L 46	# 181	C/ 145	SC 145.3.9	P 192	L 40	# 183
Jones, Chad	Cisco			Jones, Chad		Cisco		
Comment Type ER	Comment Status A		Pres: Darshan1	Comment Ty	pe ER	Comment Status A		PD MP3
	en RPair_PD_min, defined in de effective resistance in the			with resi	stive and cap	Type 1 or Type 2 PSE, sha acitive components defined eds fixed to make sense.		
SuggestedRemedy				SuggestedR	emedy			
l don't know what we a TFTD and provide the p	re trying to say here. I just kr proper verbiage.	now this is wrong	g as it makes no sense.			nected to a Type 1 or Type acitive components as defin		
Response	Response Status C			Response		Response Status W		
ACCEPT IN PRINCIPL	.E.			ACCEPT	IN PRINCIP	LE.		
OBE by 111						eant to point out that the PD nent (as opposed to in place		equirement in addition
### ### ###				Charac				
Comment 111 has the ACCEPT IN PRINCIPL						nected to a Type 1 or Type ive and capacitive compone		
adopt darshan_01_031	7Rev008.pdf			Cl 145 Jones, Chad	SC 145.3.9	P 192 Cisco	L 45	# 184
C/ 145 SC 145.3.9	P 192	L 32	# 182	Comment Ty	pe ER	Comment Status A		Editoria
Jones, Chad	Cisco					first class event the minimu	m TMPS_PD is hig	gher, and the standby
Comment Type ER	Comment Status A		Editorial			her." grammatical errors.		
2nd and 3rd paragraph	under 145.3.9, 'PD' needs to	be plural and a	i comma is missing.	SuggestedR				
SuggestedRemedy						ence of a long first class even power is also higher."	ent, the minimum	I MPS_PD is higher
	ngle-signature PD" to "For si dual-signature PD" to "For di			Response	·	Response Status W		
Response	Response Status W			ACCEPT	•			
ACCEPT.								
This comment resolves	s comment: 40							

C/ 145 SC 145.2	.5.7	P 122	L 14	# 185	CI 33 SC	33.2	P 59	L 11	# 188
Picard, Jean		Texas Instrum	nents		Schindler, Fred		Seen Simpl	y, Cisco, T	
Comment Type TR	Comment	t Status A		PSE SD	Comment Type	ER	Comment Status A		Editoria
The exit condition f !tpon_timer_done * (tinrush_timer_sec, "tinrush_timer_don SuggestedRemedy !tpon_timer_done * (tinrush_timer_sec,	'tinrush_timer_dc _done * pwr_app e" does not exist 'tinrush_timer_pr	one * pwr_app_p _sec)) , it should have l i_done * pwr_ap	ori *(!alt_pwrd_so been with "_pri"	suffix.	Type qualifie Type 3 and [–] devices." can be impro <i>SuggestedReme</i>	e specifies er refer to T Type 4 dev oved. "A" v ody	Type 1 and Type 2 devices Type 1 and Type 2 devices. rices. This Clause does not was added before Type and	See Clause 145 contain definition	for the specification of as of Type 3 or Type 4
Response ACCEPT.	,	Status W				specifies r refer to T	Type 1 and Type 2 devices Type 1 and Type 2 devices.		
C/ 145 SC 145.2	.5.7	P 122	<i>L</i> 31	# 186	Response		Response Status W		
Picard, Jean		Texas Instrum	nents		ACCEPT.				
Comment Type TR	Comment	t Status A		PSE SD					
The following exit of			is incorrect:		C/ 79 SC Schindler, Fred	79.3.2.2	P 65 Seen Simpl	L 12	# 189
semi_pwr_en * erro This is a path to op error condition.			condition should	be based on a "SEC"	Comment Type	ER	Comment Status D	y, 01300, 1	LLD
This is a path to op	eration over PRI	-only, the error c	condition should	be based on a "SEC"	Comment Type Existing text, "PSE pairs of	ontrol abili	Comment Status D		
This is a path to op error condition. SuggestedRemedy Replace with: semi_pwr_en * erro	eration over PRI pr_sec* !error_pri	-only, the error c	condition should	be based on a "SEC"	Comment Type Existing text, "PSE pairs o should use n	ontrol abili new termin	Comment Status D		
This is a path to op error condition. SuggestedRemedy Replace with:	eration over PRI pr_sec* !error_pri	-only, the error c	condition should	be based on a "SEC"	Comment Type Existing text, "PSE pairs of should use n readers. SuggestedReme Replace "pai	control abili new termin ndy irs" in item	Comment Status D ity" ology to make the text easi 3 with pairset in 3 places.	er to understand	for 2P and 4P system 3 name remains the
This is a path to op error condition. SuggestedRemedy Replace with: semi_pwr_en * erro Response ACCEPT.	eration over PRI or_sec* !error_pri <i>Response</i>	-only, the error c	condition should	be based on a "SEC"	Comment Type Existing text, "PSE pairs of should use n readers. SuggestedReme Replace "pai	control abili new termin ndy irs" in item	Comment Status D ity" ology to make the text easi	er to understand	for 2P and 4P system 3 name remains the
This is a path to op error condition. SuggestedRemedy Replace with: semi_pwr_en * erro Response ACCEPT. Cl 145 SC 145.2	eration over PRI or_sec* !error_pri <i>Response</i>	-only, the error o i <i>Status</i> W	L 34		Comment Type Existing text, "PSE pairs of should use n readers. SuggestedReme Replace "pai same. On pa	ontrol abili new termin dy irs" in item age 77 line	Comment Status D ity" ology to make the text easi 3 with pairset in 3 places.	er to understand	for 2P and 4P system 3 name remains the
This is a path to op error condition. SuggestedRemedy Replace with: semi_pwr_en * erro Response ACCEPT.	eration over PRI or_sec* !error_pri <i>Response</i> .5.7	only, the error of <i>Status</i> W	L 34		Comment Type Existing text, "PSE pairs of should use n readers. SuggestedReme Replace "pai same. On pa line-11.	ontrol abili new termin dy irs" in item age 77 line	Comment Status D ity" ology to make the text easi 3 with pairset in 3 places. -11 replace "PSE pairs" wit	er to understand	for 2P and 4P system 3 name remains the
This is a path to op error condition. SuggestedRemedy Replace with: semi_pwr_en * erro Response ACCEPT. CI 145 SC 145.2 Picard, Jean Comment Type TR The following exit c semi_pwr_en * !err	eration over PRI or_sec* !error_pri <i>Response</i> .5.7 <i>Comment</i> condition to SEMI or_pri* error_sec	-only, the error of <i>Status</i> W <i>P</i> 122 Texas Instrum <i>t Status</i> A _PWRON_SEC	L 34 nents	# [187	Comment Type Existing text, "PSE pairs of should use m readers. SuggestedReme Replace "pai same. On pa line-11. Proposed Respon REJECT.	ontrol abili iew termin dy irs" in item age 77 line inse	Comment Status D ity" ology to make the text easi 3 with pairset in 3 places. -11 replace "PSE pairs" wit	er to understand Note that the MIE h PSE pairset" ar	for 2P and 4P system 3 name remains the
This is a path to op error condition. SuggestedRemedy Replace with: semi_pwr_en * erro Response ACCEPT. CI 145 SC 145.2 Picard, Jean Comment Type TR The following exit of semi_pwr_en * !erro This is a path to op error condition.	eration over PRI or_sec* !error_pri <i>Response</i> .5.7 <i>Comment</i> condition to SEMI or_pri* error_sec	-only, the error of <i>Status</i> W <i>P</i> 122 Texas Instrum <i>t Status</i> A _PWRON_SEC	L 34 nents	# 187 PSE SD	Comment Type Existing text, "PSE pairs of should use m readers. SuggestedReme Replace "pai same. On pa line-11. Proposed Respon REJECT.	ontrol abili iew termin dy irs" in item age 77 line inse	Comment Status D ity" ology to make the text easi 3 with pairset in 3 places. -11 replace "PSE pairs" wit Response Status Z	er to understand Note that the MIE h PSE pairset" ar	for 2P and 4P system 3 name remains the
This is a path to op error condition. SuggestedRemedy Replace with: semi_pwr_en * erro Response ACCEPT. CI 145 SC 145.2 Picard, Jean Comment Type TR The following exit of semi_pwr_en * !erro This is a path to op error condition.	eration over PRI or_sec* !error_pri <i>Response</i> 	-only, the error of <i>Status</i> W <i>P</i> 122 Texas Instrum <i>t Status</i> A [_PWRON_SEC C-only, the error	L 34 nents	# 187 PSE SD	Comment Type Existing text, "PSE pairs of should use m readers. SuggestedReme Replace "pai same. On pa line-11. Proposed Respon REJECT.	ontrol abili iew termin dy irs" in item age 77 line inse	Comment Status D ity" ology to make the text easi 3 with pairset in 3 places. -11 replace "PSE pairs" wit Response Status Z	er to understand Note that the MIE h PSE pairset" ar	for 2P and 4P system 3 name remains the
This is a path to op error condition. SuggestedRemedy Replace with: semi_pwr_en * erro Response ACCEPT. CI 145 SC 145.2 Picard, Jean Comment Type TR The following exit of semi_pwr_en * !erro This is a path to op error condition. SuggestedRemedy Replace with:	eration over PRI or_sec* !error_pri <i>Response</i> .5.7 <i>Comment</i> condition to SEMI or_pri* error_sec eration over SEC or_pri* !error_sec	-only, the error of <i>Status</i> W <i>P</i> 122 Texas Instrum <i>t Status</i> A [_PWRON_SEC C-only, the error	L 34 nents	# 187 PSE SD	Comment Type Existing text, "PSE pairs of should use m readers. SuggestedReme Replace "pai same. On pa line-11. Proposed Respon REJECT.	ontrol abili iew termin dy irs" in item age 77 line inse	Comment Status D ity" ology to make the text easi 3 with pairset in 3 places. -11 replace "PSE pairs" wit Response Status Z	er to understand Note that the MIE h PSE pairset" ar	for 2P and 4P system 3 name remains the

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 79 SC 79.3.2.2	P 65	L 3	# 190	CI 79	SC 79.3.2.	Sa	P 68	L 19	# 192
Schindler, Fred	Seen Simply,	Cisco, T		Schindler,	Fred		Seen Simply,	, Cisco, T	
Comment Type TR	Comment Status A		LLDP	Comment	Type TR	Comment	t Status D		Pres: Schindler
	21 were partial removed when nces linger and may be removed when the second se		02.2 to D2.3 by #148.	1. Sec			nly do not indica	ate this. Therefor	re the text incorrectly
SuggestedRemedy					s to all devices ne DS cross re		correct		
Replace "IETF RFC 36 "Object reference"	621 object reference" in Table	79-3 header wi	th,				ces are not prov	vided.	
,				Suggestee	,				
Strike Note 2 text, and	the "Note 2 and" reference in	Table 79-3 iter	n 1.	The s	olution is provid	led in schindler	_01_0317.pdf.		
Response ACCEPT.	Response Status W			Proposed REJE	<i>Response</i> CT.	Response	Status Z		
C/ 79 SC 79.3.2.5	P 67	L 17	# 191	This c	comment was W	/ITHDRAWN b	by the commente	er.	
Schindler, Fred	Seen Simply,	Cisco, T		CI 79	SC 79.3.2.	Sa	P 68	L 25	# 193
Comment Type ER	Comment Status A		Pres: Darshan8	Schindler,	Fred		Seen Simply,	, Cisco, T	
PD requested power	4 devices, the value should b e improved by removing the p	、 ·	•	Comment TypeERComment StatusAPres: DarshanTable 79-6a exists on pages 68 and 70. Table 79-6b exists on pages 69, and 71.SuggestedRemedy					
SuggestedRemedy				Corre	ct Table numbe	ring and relate	d cross reference	ces.	
Replace the called out " Type 3 and Type 4 de Modes."	text with, evices, shall provide the total	PD requested p	ower value for both	Response ACCE	PT IN PRINCI	,	Status C		
Response	Response Status C			OBE I	oy 161				
ACCEPT IN PRINCIPL	.E.			### #	## ###				
OBE by 161					nent 161 has th		ponse:		
### ### ###					PT IN PRINCI				
Comment 161 has the ACCEPT IN PRINCIPL				adopt	darshan_08_0	317_final.pdf w	ith editorial lice	ense to fix gramm	nar.
adopt darshan_08_031	I7_final.pdf with editorial lice	nse to fix gramn	nar.						

C/ 79 SC 79.3.2.6c.1 P 69 L 20 # 194	C/ 79 SC 79.3.8.1 P74 L1 # 196
Schindler, Fred Seen Simply, Cisco, T	Schindler, Fred Seen Simply, Cisco, T
Comment Type ER Comment Status D LLDP	Comment Type ER Comment Status D LLD
Existing text, "The PSE power pairsx field shall contain an integer value for PSE power pairs defined by ." should use new terminology to make the text easier to understand 4P system readers. SuggestedRemedy Replace the called out text with, "The PSE power pairsx field shall contain an integer value for PSE pairsets defined by ." Proposed Response Response Status Z REJECT. This comment was WITHDRAWN by the commenter.	The existing text, "Measurement values (voltage, current, power, or energy) shall be set to 0 in case the corresponding request bit is 0. If a device does not support a particular measurement, the corresponding measurement value shall be set to 0.", repeats the information. SuggestedRemedy Let the Editor decide which sentence to strike in the called out text. Proposed Response Response Status Z REJECT.
i	REJECT.
CI 79 SC 79.3.8 P 73 L 6 # 195	This comment was WITHDRAWN by the commenter.
Schindler, Fred Seen Simply, Cisco, T	C/ 145 SC 145.1 P 87 L 14 # 197
Comment Type TR Comment Status D LLDP	Schindler, Fred Seen Simply, Cisco, T
The "Power via MDI Measurements TLV" wastes 12 octets per transfer because PD and PSE measurements do not use the same field. The TLV construction reduces the transfer efficiency by 12/32 = 40%. This waste occurs for every TLV transfer. The existing text permits the TLV to be modified without the need to redo the field descriptions. SuggestedRemedy Modify Figure 79-9, Deleted the "PSE measurements" field. Replace the "PD measurements" field name with "Measurements". Reduce the string length from 30 to 18.	Comment TypeERComment StatusAEditorialThe overview text, "This Clause specifies Type 3 and Type 4 devices and their interaction with Type 1 and Type 2 devices. References to PSEs and PDs without Type qualifier refer exclusively to Type 3 and Type 4 devices. See Clause 33 for the specification of Type 1 and Type 2 devices.Editorial
Proposed Response Response Status Z	SuggestedRemedy
REJECT. This comment was WITHDRAWN by the commenter.	"This Clause specifies Type 3 and Type 4 devices and their interaction with Type 1 and Type 2 devices. References to PSEs and PDs without a Type qualifier refer exclusively to Type 3 and Type 4 devices. See Clause 33 for the specification of Type 1 and Type 2 devices."
	Response Response Status W ACCEPT.

C/ 145	SC 145.1.3	P 90	L 90	# 198	C/ 145	SC 145.2.6.6	P 136	L 52	# 200
Schindler, F	Fred	Seen Simply,	Cisco, T		Schindler,	Fred	Seen Simply	Cisco, T	
Comment 7	Type ER	Comment Status D		Definitions	Comment	Type TR	Comment Status D		Pres: Darshan7
Alterna Existing "VPD is	tive or PD Moo g text, s voltage at the	references a pair within a pair de. PD PI measured between ar the corresponding pair.	·		what v existin "If a P detern	vas previously ac g text, SE that is perforn hines that the imp	TODO D2.2 #245. The cha cepted and fixed by D2.1 #1 ning detection using Alternative dance at the PI is greater to the link to be open circuit a	12 and D2.2 #24 tive B (see 33.2 than Ropen as c	45 and #247. The .4, 145.2.6.6) defined in Table 33-12, it
negativ	e conductor of	e PSE PI measured between the corresponding pair." Can			compr	omises the detec	nt with the state diagram wh tion process for end-point P n both PSEs interfere with e	SEs by causing	midspan PSEs to
Suggested	-	4.4							·
"VPD is any ne VPSE i	gative conduct is voltage at th gative conduct	PD PI measured between ar or of the same pairset. e PSE PI measured between or of the same pairset."		·	Assun - If the PSE is - If the point F	Midspan Vdet > s isolated by the r		n sees a valid de (HZ).	etection (ok) and the
REJEC	ST. SC 145.2.5.	Response Status Z 'ITHDRAWN by the comment 7 P 122 Seen Simply,	L 33	# 199	This re vendo way to	eview assumes a rs use more than get a valid detec s HZ then the det	ht, HZ = high impedance dei two point detection required two points so more combina tion is to have all points pro- ection is invalid. If all points	by the specifications are possil duce a valid value	ation. Most PSE ble. Either way the only ue for Rdet. If any one
Comment 7 Variabl Suggestedi To stat "pse_p Response	Type TR e pse_power_ <i>Remedy</i> e POWER_ON ower_update <	Comment Status A update is never made FALSE I, added,		<i>PSE SD</i> the PSE state diagram.		SE MID P ok HZ => M ok => Midspa ok HZ => M ok => PSE do	SE /lidspan does class next, PS an should backoff /lidspan should backoff bes class next, midspan may ed when the Midspan should	/ do detection of	r tdbo
ACCEF OBE by					If the r	midspan sees HZ	for both points then the mid		
ACCEF Sugges	ent 95 has the PT. sted remedy:	following response: ATE state, add "pse_power_u	odate <= FALSE	1 1	detect detect which Suggested	ion blocks a PSE ion voltages and results in an inter Remedy	the midspan always do an e from completing detection i timing choices may prevent operability problem. nade by D2.2 #291, and imp	n the second an both PSEs from	d third cases. The completing detection

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 200

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201

Editorial

provided in D2.2 #247. If this comment is not complete enough for reviewers I will create a supporting presentation, schindler_02_0317.pdf. Please contact the commenter directly if you want the details on the problem or solution expanded upon.

Proposed Response Response Status Z REJECT.

This comment was WITHDRAWN by the commenter.

C/ 145 SC 145.2.7.1 Schindler, Fred P 140 L 54 Seen Simply, Cisco, T

Comment Type ER Comment Status A

At the end of the existing text ". event counts. _" there appears to be a stray underscore.

SuggestedRemedy

Remove the underscore of this is text in the document.

Response Response Status W

ACCEPT IN PRINCIPLE.

That may be an editing mark that can be cleaned up. Editor to figure it out.

C/ 145	SC 14	45.2.8.5.1	P 1	50	L 32	# 202
Schindler, Fr	red		Seen	Simply,	, Cisco, T	
Comment Ty	/pe	ER	Comment Status	Α		Pres: Darshan1

The existing text,

"The PSE PI pair-to-pair effective resistance unbalance determined by RPSE_max and RPSE_min ensures that along with any other parts of the system, i.e. channel (cables and connectors) and the PD, the pairset with the highest current including unbalance does not exceed ICon-2P-unb as defined in Table 145-16 during normal operating conditions."

The word ensure should not be used in an IEEE specification.

SuggestedRemedy

Replace the called out text with,

"The pairset with the highest current including unbalance does not exceed ICon-2P-unb, as defined in Table 145-16, during normal operating conditions if the PSE PI pair-to-pair effective resistance unbalance is determined by RPSE_max, RPSE_min, and other parts of the system (i.e. channel and the PD)."

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE by 111

###

Comment 111 has the following response: ACCEPT IN PRINCIPLE.

adopt darshan_01_0317Rev008.pdf

C/ 145 SC 145.2.8	B.5.1 P 151	L 16	# 203	C/ 145 S	SC 145.3.1	P 160	L 23	# 205
Schindler, Fred	Seen Simply,	Cisco, T		Schindler, Free	ł	Seen Simply,	Cisco, T	
<i>Comment Type</i> ER Existing text,	Comment Status D		Editorial	Comment Type IEEE spec		Comment Status A rmally refer to conductors rat	her than wires fo	Editoria or channel connections.
components in a pair	ctive resistance is the resistance r of the same polarity connected using pairset and restructuring	d in parallel."	es and their	SuggestedRen Have the F		e all occurrences of wire, and	wires, with con	ductor, or conductors.
SuggestedRemedy		the sentence.				he Editor with the discretion t		
Replace the called or "Common mode resi	ut sentence with, stance is the parallel resistance s of the same polarity in both pa	e of all conducto airsets."	rs and in-series	Response ACCEPT.		Response Status C		
Proposed Response PROPOSED REJEC	Response Status Z T.			Cl 145 S Schindler, Free	SC 145.3.3.9 d	P 171 Seen Simply,	<i>L</i> 31 Cisco, T	# 206
This comment was V This is wrong. As it i	VITHDRAWN by the commenters s used, the common mode resilot, the parallel combination of l	stance is the pa	rallel combination	Comment Type The text, "The voltage conductor the Mode I	ge at the PD of	Comment Status D PI measured between any p	ositive conducto	PD SL
7 145 SC 145.3.1	P 160	L 35	# 204			nt with other 4P text by using	pairset.	
Schindler, Fred	Seen Simply,	Cisco, T		SuggestedRen	•	- Second Section and the design of the		
Comment Type TR	Comment Status A		PD Types			airset" in the called out sente	nce.	
	and any voltage from 0 V to 57 ' Can be corrected. This requri			Proposed Res _i REJECT.	ponse	Response Status Z		
	likely exist in real systems, to b		· · · · · ·	This comm	nent was WI	THDRAWN by the commente	er.	
SuggestedRemedy								
Replace the first calle "The PD PI Mode con indefinitely without pe	nnections shall withstand any v	oltage from 0 V	to 57 V at the PI					
Response	Response Status W							
ACCEPT IN PRINCI	PLE.							
OBE by 375								
### ### ### Comment 375 has th ACCEPT. Suggested remedy:	e following response:							
Replace by: "The PD shall withsta	and any voltage from 0V to 57V initely without permanent dama		e A, Mode B, and both					

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 206

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C/ 145 SC	345.3.6	Р	176	L 41	# 207	Then replace th	he corrected text.		
Schindler, Fred		See	n Simply, C	isco, T		"PDs shall retu	rn class_sig_A or class_sig	g_B in accordance with t	he PD requested Class,
Comment Type	ER	Comment Status	s A		Pres: Yseboodt3	as specified in	Table 33-26 and Table 33-	-27 and the responses sp	becified in Table 33-26
		en going from D2.2		ake the documer		and Table 33-2	27."		
confusing. I	New text,	0 0				with,			
"The reques							rn class_sig_A or class_sig	g_B in accordance with t	he PD requested Class,
- is the Class Type 4, Clas		ertises during Phys	ical Layer c	lassification whe	en connected to a	as specified in	and Table 145 OF with the	corresponding aloopificat	ion aignotures aposition
8 PSE;	55					in	and Table 145-25, with the	corresponding classificat	lion signatures specified
 is the maxi does not line 		er that a PD draws a kimum amount of po			l operational modes; om the PSE during		and Table 145-25.		
Data Link	fination (an	o 22 E) but continue	aa ta limiit th		war that the DD draws	which matches	the new text used in D2.3	but replaces "PD's" with	"PD".
		er that a Type 3 or T			ver that the PD draws;	Strike the sente	ence		
	main pone)po 11 D 0				ngle-signature Type 3 and 3	Type 4 PDs shall adverti	se class signatures
In the new te construction		replace sentences,	which seer	ns worse that the	e D2.2 sentence		e PD requested Class as c		.
		-				which does not	t appear in D2.3.		
		ecessary. The textir relationship betwee				Response	Response Statu	is C	
"Depending	on the num	ber of class events	s produced			ACCEPT IN PF	RINCIPLE.		
·		·				OBE by 393			
		ears to have been b				### ### ###			
		PD shall draw."	iysical Laye	r classification is	s the maximum power		has the following response	2:	
The third bu	llet likely co	onfuses the reader i	more than i	t helps them.		Suggested rem Adopt ysebood	nedy: lt_03_0317_pdclassification	n.pdf	
		a shall in a bullet (n ginal sentence is pr		ce). Our Editor	should determine if				
		by the PD during Ph PD shall draw."	iysical Laye	r classification is	s the maximum power				
shall) that w	as a senter hings huma	on lines 19 to 23 o nce but is now a bul n characteristics, w	llet, which is	s likely not allowe					
SuggestedReme	edy								
proposal (op	otion-1) is a	m D2.2 #278, which subset of the acce tructure replaced by	pted propos	al. The option-1	1 proposal preserves				
		nade, for this sectio _3_6_PD_Class_op							
	TUS: D/dis	spatched A/accepte			T/technical E/editorial G/g E STATUS: O/open W/w		atisfied Z/withdrawn	Comment ID 207	Page 47 of 103 3/16/2017 10:3

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7 145 SC 145.3.8.3	P 185 L 37	# 208	C/ 145 SC 145.3.8.10 P 191 L 12 # 2	10
chindler, Fred	Seen Simply, Cisco, T		Schindler, Fred Seen Simply, Cisco, T	
comment Type TR Com	nment Status D	PD Inrush	Comment Type ER Comment Status D	Unbalan
When PDs are tested it is com supply. This is supported by re PI (145.3.1).	nmon practice to power them on direc equirements that PDs accept voltage	tly with a bench power s from 0 to 57V on the	The legacy sentence, "Common mode resistance is the effective resistance of the two wires and their components in a pair of the same polarity connected in parallel."	
uggestedRemedy			can be improved.	
At the end of the section Input			SuggestedRemedy	
current is limited to ILIM-2P pr	ch power supplies for testing purpose ovided in 145.2.8.7."	s when the supply	Replace the called out sentence with,	
Alternatively, we could omit th	is text if Task Force participants feel t	hat no current limits are	"Common mode resistance is the parallel resistance of all conductors and in-ser components for pairs of the same polarity in both pairsets."	ies
	omment may affect how comments re		Proposed Response Response Status Z	
handled.			REJECT.	
	oonse Status Z			
REJECT.			This comment was WITHDRAWN by the commenter.	
This comment was WITHDRA	WN by the commenter.		C/ 145 SC 145.5.3.3 P 210 L 13 # 2	11
/ 145 SC 145.3.8.6	P 188 L 20	# 209	Schindler, Fred Seen Simply, Cisco, T	
chindler, Fred	Seen Simply, Cisco, T	11 200	Comment Type ER Comment Status A	Di
comment Type TR Com	nment Status A	PD Power	The existing text, "The PSE does not ." is gramatical incorrect. Similarly, "The F observes ." should be fixed.	SE
	related to D2.2 #87 and #96 for Ken			
Custom energian in demonder	the sector and share . It INA suists t		SuggestedRemedy Replace the first called out text with,	
to a PD when the PSE voltage	nt on the assigned class. ILIM exists the increases (see schindler_1_0915).	A Type-4 PSEs provide	"The PSE did not" The second called out text with, "The PSE identified".	
higher power so they can char	ge the PD bulk capacitor faster (TLIN	l is 6ms for Type 4 vs	Response Response Status W	
	ILIM-2P is lowered when driving a Pl sure the capacitance is charged.	J with class < 5 then	ACCEPT IN PRINCIPLE.	
uggestedRemedy			Replace the first called out text with,	
	e 146.3.8.6 to accommodate D2.2 #8 en on the PSE, such as changing or re lures.		"The PSE did not" The second called out text with, "The PSE identified" (2x).
Pesponse Resp	oonse Status C			
ACCEPT IN PRINCIPLE.				
	E section so that PSEs that lower curr n order to deliver needed charge.	ent limit based on class		

V 145 SC 145.5.3.3	P 211	L9 Ciaco T	# 212	Cl 33A SC 33	A.3	P 257	L Ciaco, T	# 214
schindler, Fred	Seen Simply, (Cisco, I		Schindler, Fred		Seen Simply,	Cisco, I	
Existing text,	omment Status A	at daga nat avia	Editorial	Existing text,	reciptor	Comment Status A	huo wiroo in o r	Pres: Darshan
". do_cxn_check function ." SuggestedRemedy	uses a function name that	at does not exis	a. See page 113.	connectors), con		ice is the resistance of the t n parallel."	two wires in a p	Sair (including
Replaced the called out text ". do_cxn_chk function". Make the same correction o				page 151. I am	confused	rrently does not match text d as to whether pairs with th sets are in parallel or wheth	he same polarit	ty and in-series
Response Re	sponse Status W					hin pairset are in parallel.	,	
ACCEPT.				The Task Force	should d	liscuss why duplicate text is	s used rather th	nan using a reference to
C/ 145 SC 145.5.3.6	P 215 Seen Simply, 0	<i>L</i> 10 Cisco, T	# 213	reader of the spe	ecificatio	se formulas are not placed of n. i.e., moving the formula than leaving the formua with	requires duplic	cate support text and
Comment Type TR C PSEs are only able to do a l incorrect. DLL autoclassific SuggestedRemedy				what common m Modes, which m	iode pai ay help r	ge 258, a Figure is provide r-to-pair resistance is. The readers understand the defi tances so it is not clear what	figure does no inition. The fig	ot indicate Alternatives or ure also reuses the
Delete the exit condition terr	m "*!pd autoclass" from	the transition fr	om IDLE to MEASURE.	SuggestedRemedy				
Response Re ACCEPT IN PRINCIPLE.	sponse Status C			Assign a TDL (ne Force.	ot to this	commenter) to improve thi	is Annex as rec	quired by the Task
OBE by 329				This fix may be on Replace the calle		ext with,		
### ### ###				"Common mode	e resistar	nce is the parallel resistanc	e of all conduc	tors and in-series
Comment 329 has the follow ACCEPT. Suggested remedy:	ving response:			Response ACCEPT IN PRI		Response Status C		
Remove "!pd_autoclass" fro	m the arc from IDLE to N	MEASURE.		OBE by 111				
				### ### ###				
				Comment 111 ha ACCEPT IN PRI		llowing response:		
				adopt darshan_0	01_03171	Rev008.pdf		

C/ 33A SC 33A.3 P 257 L2 # 215 C/ 145 SC 145.1.3 P 90 # 217 L 19 Schindler, Fred Seen Simply, Cisco, T Stewart, Heath Linear Tech Corp Comment Type ER Comment Status A Annex Comment Type Е Comment Status A Editorial Annex associated with Clause 145 need to be renumbered. Missing the. SuggestedRemedy SuggestedRemedy Have the Editor renumber Annexes, 33A.3 to 33A.4 to indicate they are related to Clause Replace V_PD is voltage 145. with Response Response Status C V PD is the voltage ACCEPT IN PRINCIPLE. Response Response Status C OBE by 402 ACCEPT. ### ### ### C/ 145 SC 145.1.3 P 90 L 22 # 218 Stewart, Heath Linear Tech Corp Comment 402 has the following remedy: - Retitle 145A to "Resistance and current unbalance" Comment Type Е Comment Status A Editorial - Take the existing subclauses (145A.1 through 145A.3), bump them down to 3rd level and Missing the. insert then under a new 145A.2 "PSE Unbalance". - Create a new 145A.3 "PD Unbalance" SuggestedRemedy - Copy 33A.3 and 33A.4 into a new 145A.1 (and .2) (common to both PSE and PD) Replace - Take Annex 33A out of the draft, thereby discarding all the changes we did to it in 802.3bt. V_PSE is voltage with Comment 402 has the following response: V PSE is the voltage ACCEPT IN PRINCIPLE. Response Response Status C ALSO, editior given license. ACCEPT. C/ 79 SC 79.3.8 P73 L 17 # 216 Skinner, John Sifos Technologies, In Comment Status A LLDP Comment Type т Figure 79-9 has not been modified to account for the additional octets added to the Measurements fields, which as currently defined in Table 79-7b is 16 octets (128 bits) long. The TLV contains two copies of Measurements, which should not be necessary, as the measurements are communicated from a PD to a PSE, or from a PSE to a PD. SuggestedRemedy Modify the layout of the TLV, removing the "PSE measurements" field, and renaming the "PD measurements" field to "Measurements". Correct the length of the Measurements field to 16 octets. Correct the TLV information string length to be 22 octets. Response Response Status C

IEEE 802.3bt D2.3 4-Pair PoE 3rd Working Group recirculation ballot comments

ACCEPT.

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

ewart, Heath Linear Tech Corp <i>omment Type</i> E <i>Comment Status</i> A <i>Pres: Beia1</i> Although the change to a split clause has been smooth, I rather prefer the informative Type	Stewart, Heath Linear Tech Corp Comment Type E Comment Status D Editor
Although the change to a split clause has been smooth, I rather prefer the informative Type	Comment Type E Comment Status D Edito
comparison table to keep Type 1 and Type 2 data in them.	Although the change to a split clause has been smooth, I rather prefer the informative Typ comparison table to keep Type 1 and Type 2 data in them.
lggestedRemedy	SuggestedRemedy
Restore Table 145-2 from Draft 2.2	Restore Table 145-4 from Draft 2.2
esponse Response Status C	Proposed Response Response Status Z
ACCEPT IN PRINCIPLE.	REJECT.
OBE by 83	This comment was WITHDRAWN by the commenter.
### ### ###	C/ 145 SC 145.2.5.1.1 P 100 L 52 # 222
Comment 83 has the following response:	Stewart, Heath Linear Tech Corp
ACCEPT IN PRINCIPLE.	Comment Type E Comment Status A Editor
adopt beia_01_0317_final.pdf	The use of respectively to compare a list containing two items to a list containing three items is unclear. Split the sentence.
Also, add TDL (Dave T., Lennart): Figure out how other clauses link to DTE/PoE. How to	SuggestedRemedy
address use of DTE in clause 145.	Replace
145 SC 145.2.4 P 99 L 38 # 220	Monitoring of MPS and inrush is handled by Figure 145-17, Figure 145-18 and Figure 145- 19 respectively.
ewart, Heath Linear Tech Corp	With
omment Type E Comment Status D Editorial	Monitoring of MPS is handled by Figure 145-17 and Figure 145-18. Monitoring of inrush is handled by Figure 145-19.
A sentence was deleted during the split clause without clear logic.	Response Response Status C
"For the purposes of data transfer, the type of PSE data port is relevant to the far-end PD, and in some cases, to the cabling system between them. Therefore, Alternative A matches the positive voltage to the transmit pair of the PSE in legacy systems, such as 10BASE-T and 100BASE-TX" Type 3 PSEs may have Alt A only implementations.	ACCEPT.
lggestedRemedy	
Put back in "For the purposes of data transfer, the type of PSE data port is relevant to the far-end PD, and in some cases, to the cabling system between them. Therefore, Alternative A matches the positive voltage to the transmit pair of the PSE in legacy systems, such as 10BASE-T and 100BASE-TX"	
oposed Response Response Status Z	
REJECT.	
This comment was WITHDRAWN by the commenter.	

C/ 145 SC 145.	2.5.6	P 113	L 35	# 223	C/ 145	SC	145.3.3		P 161	L 40	# 225
Stewart, Heath		Linear Tech (Corp		Stewart, H	leath			Linear Tech C	orp	
Comment Type TF	comn	nent Status A		PSE SD	Comment	Туре	TR	Comment S	tatus A		Pres: Darshan4
				to allow a limited and	The w	ord sho	ow should I	be shown and	two Figure refe	erences are missing.	
shorted first class		embodied during do	D_class_probe a	nd also to provide for a	Suggestee	dReme	dy				
SuggestedRemedy					Chang		re 145-26				
Add a sentence a			equested Class	of the PD by producing	to	in Figui	6 145-20				
a number of class			ASS EV1 LCE	to MARK EV3. The		-	ure 145-26	, Figure 145-2	7 and Figure 1	45-28	
				bbreviated class timing	Response ACCE			Response S	tatus C		
Response	Respo	nse Status W			C/ 145	SC	145.3.3		P 161	L 44	# 226
ACCEPT IN PRIN	-				Stewart, H		140.0.0		Linear Tech C		# 220
Add a sentence a a number of class			equested Class	of the PD by producing	<i>Comment</i> A Figu	,,	TR rence is m	Comment S issing.	tatus A		Pres: Darshan4
				E to MARK_EV3. The llow abbreviated class	Suggested Chang showr	ge	<i>dy</i> ure 145-29				
C/ 145 SC 145.	3.2	P 161	L 27	# 224	to showr	n in Fiar	uro 1/15-20	and Figure 14	5-30		
Stewart, Heath		Linear Tech (Corp		Response	0	ure 145-25	Response S			
Comment Type E	Comn	nent Status A		Pres: Yseboodt3	ACCE			Response of			
The phrase "a mir	nimum of Multi	iple-Event Physical	Layer Classifica	tion" makes no sense.							
SuggestedRemedy					C/ 145		145.3.3.4		P 163	L 8	# 227
Delete "a minimur	n of".				Stewart, H				Linear Tech C	orp	
Add a following se Classification is o		tore desired clarity.	Implementation	of Data Link Layer	Comment The d		E on of the a	Comment S utoclass indica			PD SD
Response	Respo	nse Status C			Suggestee	dReme	dy				
ACCEPT IN PRIN	ICIPLE.				Chang dropp	0	assificatio	on current			
OBE by 393					to chang	ging its o	class signa	ature to class s	ignature 0		
### ### ### Comment 393 has ACCEPT.	0	response:			Response ACCE			Response S	tatus C		
Suggested remed Adopt yseboodt_0		assification.pdf									

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/ 145 SC 145.3.3.4 P 165 L 19 # 228 Stewart, Heath Linear Tech Corp Linear Tech Corp Linear Tech Corp	C/ 145 SC 145.3.6 P 177 L 14 # 230 Stewart, Heath Linear Tech Corp Linear Tech Corp Linear Tech Corp Linear Tech Corp
Comment Type TR Comment Status A PD SD	Comment Type E Comment Status A Edito
This does not address the fact that one Alternative can have a non-zero voltage while the other has a zero voltage.	While I appreciate the Editor taking artistic license and improving already perfect text, it is worth addressing the redundant nouns thus created nouns.
"V_PD: Voltage at the PD PI as defined in 145.1.3."	SuggestedRemedy
SuggestedRemedy	Change
Change	PDs that request Classs 1 to 3 PDs to
V_PD: Voltage at the PD PI as defined in 145.1.3.	PDs that request Class 1 to 3
V_PD: Larger of the Mode A or Mode B voltages at the PD PI as defined in 145.1.3.	Response Response Status C
Response Response Status C	ACCEPT.
ACCEPT IN PRINCIPLE.	C/ 145 SC 145.3.6 P 177 L 19 # 231
OBE by 256	Stewart, Heath Linear Tech Corp
### ### ###	Comment Type E Comment Status A Edito Figure reference lost during edit.
Comment 256 has the following response:	SuggestedRemedy
ACCEPT IN PRINCIPLE.	Add Figure 145-27 to list for first bullet.
Add TDL (David Stover): Update VPSE, VPD, and PI definitions to include 2-pair and 4-pair. Remove "at the XXX PI" from our draft.	Response Response Status C ACCEPT IN PRINCIPLE.
C/ 145 SC 145.3.4 P 175 L 27 # 229 Stewart, Heath Linear Tech Corp Linear Tech Corp Linear Tech Corp Linear Tech Corp	These figures are getting renumbered. Editor to update this sentence with correct numbers once done.
Comment Type E Comment Status A PD Detection	C/ 145 SC 145.3.6.1.1 P 180 L 21 # 232
Since PDs can and do present invalid signatures at given times, the following sentence	Stewart, Heath Linear Tech Corp
cannot be true. "A PD that presents a signature outside of Table 145-20 is non-compliant, while a PD that presents the signature of Table 145-21 is assured to fail detection."	Comment Type E Comment Status A Edito Figure reference lost during edit.
SuggestedRemedy	SuggestedRemedy
Change	Add Figure 145-27 to list after Figure 145-26.
A PD that presents a signature outside of Table 145-20 is non-compliant, while a PD that presents the signature of Table 145-21 is assured to fail detection.	Response Response Status C
PD requesting power by presenting a detection signature outside of Table 145-20 is non- compliant, while a PD that presents the signature of Table 145-21 is assured to fail	ACCEPT IN PRINCIPLE.
detection."	These figures are getting renumbered. Editor to update this sentence with correct
Response Response Status C	numbers once done.
ACCEPT.	
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/g COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/w SORT ORDER: Comment ID	

C/ 145 SC 145.3.6 Stewart, Heath	P 180 Linear Tech C	L 41 Corp	# 233	C/ 145 SC 145.3.8.3 P 185 L 33 # 236 Stewart, Heath Linear Tech Corp Einear Tech Corp Einear Tech Corp
Comment Type E C An extra space and "and" ha	omment Status A as been inserted.		Editorial	Comment Type E Comment Status A PD Inrus Change Class 0 to Class 1 since there is no Class 0 in Clause 145. Twice.
SuggestedRemedy Change classification as specified in to classification as specified in Response Re				SuggestedRemedy Change Class 0 to Class 1 on lines 32 and 36. Response Response Status C ACCEPT IN PRINCIPLE. OBE by 314
It is difficult to follow the idea stating the same idea, which SuggestedRemedy Change globally all occurrer	makes search strings	s because there difficult.		<pre>### ### ### Comment 314 has the following response: ACCEPT. Suggested remedy: Insert the following at line 9:</pre>
by/of the PD" to "PD reques Response Re ACCEPT IN PRINCIPLE. Editor given license to imple	sponse Status C	han globally if ne	eeded.	 CPort-2P < 110uF for dual-signature PDs assigned to Class 1 through 4 CPort-2P < 180uF for dual-signature PDs assigned to Class 5" Delete lines 31-37 (the quoted text + its dual-sig variant). Delete "The inrush current is limited by the PSE" on line 8.
C/ 145 SC 145.3.8.2.1	P 184	L 31	# 235	C/ 145A SC 145A.1 P 259 L 23 # 237 Stewart, Heath Linear Tech Corp Linear Tech Corp Linear Tech Corp Linear Tech Corp
The text allows both PSE ar SuggestedRemedy Adopt hstewart_01_0317_P		·	Pres: Stewart1	Comment Type E Comment Status A Editor These used to be two separate paragraphs SuggestedRemedy Editor Editor SuggestedRemedy Separate into two paragraphs. Editor Editor Response Response Status C ACCEPT. Editor Editor

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/ 145A SC 145A.1 Stewart, Heath	P 259 Linear Tech Co	L 16	# 238	C/ 1 SC 1.4 Stover, David	P 22 Linear Tech Corp	L 41	# 241
Comment Type TR Missing edit from agree	Comment Status A ed upon Draft 2.2 comments.		Annex	Comment Type ER single-signature PD	Comment Status A refers to Clause 33, should refer to	o clause 145.	Editorial
SuggestedRemedy Change "shall be" to "is	," 			SuggestedRemedy Replace "See IEEE S	Std 802.3, Clause 33" with "See IE	EE Std 802.3	3, Clause 145"
Response ACCEPT.	Response Status W			Response ACCEPT.	Response Status W		
C/ 1 SC 1.4 Stover, David	P 22 Linear Tech Co	L 22 orp	# 239	C/ 1 SC 1.4 Stover, David	P 23 Linear Tech Corp	L 10	# 242
Comment Type ER dual-signature PD refer	Comment Status A s to Clause 33, should refer to	o clause 145.	Editorial	Comment Type ER Type 3 and 4 PSE, F	Comment Status A PD refer to Clause 33, should refer	to clause 14	Editorial 5.
SuggestedRemedy Replace "See IEEE Sto	l 802.3, Clause 33" with "See	IEEE Std 802.3	3, Clause 145"	SuggestedRemedy Replace "See IEEE \$	Std 802.3, Clause 33" with "See IE	EE Std 802.3	3, Clause 145"
Response ACCEPT.	Response Status W			Response ACCEPT.	Response Status W		
C/ 1 SC 1.4 Stover, David	P 22 Linear Tech Co	L 27 orp	# 240	C/ 25 SC 25.4.5 Stover, David	P 25 Linear Tech Corp	L 11	# 243
Comment Type ER IEEE 802.3 Power over clauses 33 and 145.	Comment Status A Ethernet (IEEE 802.3 PoE) r	efers to Clause	<i>Editorial</i> 33, should refer to	Comment Type ER Reference for "Type 33 and 145.	Comment Status A 2 or greater" PSE and PD refers to	o Clause 33,	<i>Editorial</i> should refer to clauses
SuggestedRemedy Replace "See IEEE Sto Clause 145"	802.3, Clause 33" with "See	IEEE Std 802.3	3, Clause 33 and	SuggestedRemedy Replace "See Clause	e 33" with "See Clause 33 and Cla	use 145"	
Response ACCEPT.	Response Status W			Response ACCEPT.	Response Status W		

C/ 33 S	C 33.1	P 59	L 13	# 244	C/ 145 SC	C 145.2.5.1	.1 <i>P</i> 100	L 38	# 247
Stover, David		Linear Tech (Corp		Stover, David		Linear Tech	Corp	
Comment Type	E	Comment Status A		Pres: Beia1	Comment Type	TR	Comment Status A		PSE SI
of Type 3 a devices." T SuggestedRem	and Type 4 d The last sent nedy	Type 1 and Type 2 devices. devices. This Clause does no ence is redundant. ing with "This Clause does r Response Status C	ot contain definitio		(stover_02_ PSE SD are Primary and with the PSI	0117_rev04 set but ne Secondary SD when Beach, this	accept resolution to Comr 4.pdf, "alt_pri"). To recap, va ver sampled. The behavior valternatives is clearly defir the aforementioned variabl solution or another technica	ariables "alt_pri" a for setting and to ned in 145.2.5.1.1 es are removed.	and "pingpong_en" in ggling the definition of I and does not conflict As announced in
ACCEPT.		, -			SuggestedReme	edy			
					Accept stov	er_02_0117	/_rev04.pdf, Slide 4.		
Cl 145 So Stover, David	C 145.2.5	P 100 Linear Tech (L 7 Corp	# 245	Response ACCEPT IN	PRINCIPL	Response Status C E.		
	gures within	e behavior of the state diagra this range include optional f			C/ 145 SC	(Stover, Dy 2 145.2.5.2	-	L 27	_pri from PSE SD. # 248
					Stover, David		Linear Tech	Corp	
SuggestedRem Replace wit 145-13 to F	nedy ith "PSEs sh Figure 145-1	all implement the behavior of 9 for all mandatory features			Comment Type		Comment Status A te diagram.to condition whi	·	
SuggestedRem Replace wit 145-13 to F	nedy ith "PSEs sh Figure 145-1				Comment Type "Some state Mixed form, SuggestedReme	es in the sta singular/plu edy	Comment Status A te diagram.to condition whi ural.	ch action are tak	en within the state."
SuggestedRem Replace wii 145-13 to F Proposed Resp REJECT.	nedy ith "PSEs sh Figure 145-1 ponse	9 for all mandatory features	and for any supp		Comment Type "Some state Mixed form, SuggestedReme	es in the sta singular/plu edy	Comment Status A te diagram.to condition whi	ch action are tak	
SuggestedRem Replace wii 145-13 to F Proposed Resp REJECT. This comm Cl 145 St	nedy ith "PSEs sh Figure 145-1 ponse	9 for all mandatory features <i>Response Status</i> Z THDRAWN by the comment .1 <i>P</i> 100	and for any supp er. <i>L</i> 33		Comment Type "Some state Mixed form, SuggestedReme Replace frag	es in the sta singular/plu edy	Comment Status A te diagram.to condition whi ural. "to condition which actions	ch action are tak	en within the state."
SuggestedRem Replace wit 145-13 to F Proposed Resp REJECT. This comm Cl 145 Stover, David Comment Type	nedy ith "PSEs sh Figure 145-1 ponse eent was WI" C 145.2.5.1	9 for all mandatory features <i>Response Status</i> Z THDRAWN by the comment .1 <i>P</i> 100 Linear Tech (<i>Comment Status</i> A	and for any supp er. <i>L</i> 33 Corp	ported optional features." # 246 Editorial	Comment Type "Some state Mixed form, SuggestedReme Replace fra Response ACCEPT.	es in the sta singular/plu edy	Comment Status A te diagram.to condition whi ural. "to condition which actions	ch action are take are taken within t <i>L</i> 7	en within the state."
SuggestedRem Replace wit 145-13 to F Proposed Resp REJECT. This comm Cl 145 Stover, David Comment Type "Detection f requiremen	nedy ith "PSEs sh Figure 145-1 ponse eent was WI C 145.2.5.1 E ER timing requi	9 for all mandatory features Response Status Z THDRAWN by the comment .1 P 100 Linear Tech 0 Comment Status A rements are specified in Table fied in Table 145-8. Detection	and for any supp er. <i>L</i> 33 Corp ble 145-8." False.	# 246 <i>Editorial</i>	Comment Type "Some state Mixed form, SuggestedReme Replace fra Response ACCEPT. C/ 145 SC Stover, David Comment Type	es in the sta singular/plu edy gment with	Comment Status A te diagram.to condition whi ural. "to condition which actions Response Status C P 113	ch action are take are taken within t <i>L</i> 7 Corp	en within the state." the state". # 249 Editoria
SuggestedRem Replace wit 145-13 to F Proposed Resp REJECT. This comm C/ 145 St Stover, David Comment Type "Detection t requiremen specified in	nedy ith "PSEs sh Figure 145-1 ponse ment was WIT C 145.2.5.1 E ER timing requints are specin Table 145-	9 for all mandatory features Response Status Z THDRAWN by the comment .1 P 100 Linear Tech 0 Comment Status A rements are specified in Table fied in Table 145-8. Detection	and for any supp er. <i>L</i> 33 Corp ble 145-8." False.	# 246 <i>Editorial</i>	Comment Type "Some state Mixed form, SuggestedReme Replace frag Response ACCEPT. C/ 145 SC Stover, David Comment Type Missing a sp	es in the sta singular/plu edy gment with 2 145.2.5.6 E bace betwee	Comment Status A te diagram.to condition whi ural. "to condition which actions Response Status C P 113 Linear Tech Comment Status A	ch action are take are taken within t <i>L</i> 7 Corp	en within the state." the state". # 249 Editoria
SuggestedRem Replace wit 145-13 to F Proposed Resp REJECT. This comm Cl 145 St Stover, David Comment Type "Detection t requiremen specified in SuggestedRem This paragr	hedy ith "PSEs sh Figure 145-1 ponse hent was WIT C 145.2.5.1 E ER timing requints are specin Table 145- hedy raph seems	9 for all mandatory features Response Status Z THDRAWN by the comment .1 P 100 Linear Tech 0 Comment Status A rements are specified in Table fied in Table 145-8. Detection	and for any supp er. <i>L</i> 33 Corp ble 145-8." False. on timing requirer ents. Then, repla	# 246 <i>Editorial</i> Detection electrical nents (tdet, tdbo) are	Comment Type "Some state Mixed form, SuggestedReme Replace frag Response ACCEPT. C/ 145 SC Stover, David Comment Type Missing a sp SuggestedReme Add a space	es in the sta singular/plu edy gment with C 145.2.5.6 E Dace betwee edy	Comment Status A te diagram.to condition whi ural. "to condition which actions Response Status C P113 Linear Tech Comment Status A en "defined in 145.2.7.2.Thi	ch action are take are taken within t <i>L</i> 7 Corp	en within the state." the state". # 2 <u>49</u> <i>Editoria</i>
SuggestedRem Replace wit 145-13 to F Proposed Resp REJECT. This comm Cl 145 St Stover, David Comment Type "Detection f requiremen specified in SuggestedRem This paragr baseline wi	hedy ith "PSEs sh Figure 145-1 ponse hent was WIT C 145.2.5.1 E ER timing requi- hts are speci- h Table 145- hedy raph seems ith "Detectio	9 for all mandatory features Response Status Z THDRAWN by the comment .1 P 100 Linear Tech (Comment Status A rements are specified in Tab fied in Table 145-8. Detection 16. to be about timing requirements	and for any supp er. <i>L</i> 33 Corp ble 145-8." False. on timing requirer ents. Then, repla	# 246 <i>Editorial</i> Detection electrical ments (tdet, tdbo) are ace aforementioned specified in Table 145-	Comment Type "Some state Mixed form, SuggestedReme Replace frag Response ACCEPT. C/ 145 SC Stover, David Comment Type Missing a sp SuggestedReme	es in the sta singular/plu edy gment with C 145.2.5.6 E Dace betwee edy	Comment Status A te diagram.to condition whi ural. "to condition which actions Response Status C P113 Linear Tech Comment Status A en "defined in 145.2.7.2.Thi	ch action are take are taken within t <i>L</i> 7 Corp	en within the state." the state". # 2 <u>49</u> <i>Editoria</i>

C/ 145 So Stover, David	C 145.2.5.7	P 119 Linear Tech C	L 34 Corp	# 250	C/ 145 Stover, David	SC 145.2.5.7		P 120 Linear Tech (L 45 Corp	# 252	
<i>Comment Type</i> Possible m		Comment Status A on in logic from DETECT_	_EVAL->IDLE.	PSE SD	Comment Ty Recent c		<i>Comment</i> E Class SD ha		notion to Class 6	Pres: Yseb S.	boodt6
	sition logic. pse_alternative e_alternative = it)"	e != both) * (sig_pri = oper : a) * (sig_pri != valid) + (p Response Status C		= b) * (sig_pri =	(pd_class <i>Response</i>	ransition logic s_sig != 4) * (p IN PRINCIPL	ose_avail_pwr <i>Response</i> \$	> 4) * ((pd_cla		"tcle3_timer_done se_avail_pwr > 5))	*
C/ 145 So Stover, David	C 145.2.5.7	P 120 Linear Tech C	L 1 Corp	# 251	### ### :		following resp	oonse:			
	igure out how	Comment Status A to properly allow transition			Adopt ys	eboodt_06_03	315_classificat	tion.pdf while c	hanging ".done"	to _done where	
TDL/2.2: "F class_lim e allows the F measureme to allow a F to IDLE, the	igure out how vent occurs." T PSE to return t ent period and PSE to issue so ere is insufficie	to properly allow transition This can be interpreted may o IDLE any time between the end of the t_cle or t_lc ome arbitrary number of cl nt guidance to accommod	any ways. The set the beginning of ce timers. If the ass and mark en late the request.	olution in place today f the class event intention of this TDL is vents before returning . For example, would	appropria	te. SC 145.2.5.7		tion.pdf while cl P 125 Linear Tech (L 1	# 253	
TDL/2.2: "F class_lim e allows the F measureme to allow a F to IDLE, the such a PSE events, 1 to The PSE C do_classific	igure out how vent occurs." 1 PSE to return t ent period and SE to issue sc ere is insufficie transition thro 5? What valu lass SDs are o cation results; i	to properly allow transition This can be interpreted ma o IDLE any time between the end of the t_cle or t_lo ome arbitrary number of cl	any ways. The set the beginning of ce timers. If the ass and mark e late the request. ? Could the PSE se_allocated_pw veen states as a verriding a funda	olution in place today f the class event intention of this TDL is vents before returning . For example, would E issue any number of vr? a function of the previous amental construct of	appropria CI 145 Stover, David Comment Ty/ PSE Clas signature pd_req_p	te. SC 145.2.5.7 De T ss SD for dual Class SD. Pa wr and therefo	<i>Comment</i> -signature PD articularly, stat ore pd_cls_4p	P 125 Linear Tech (Status A Is is inconsister te CLASS_4PII bid are known a	<i>L</i> 1 Corp nt with recent de D4 is inconsisten ffter 3 (not 4) cla:	# 253	le- at
TDL/2.2: "F class_lim e allows the F measureme to allow a F to IDLE, the such a PSE events, 1 to The PSE C do_classificatio anyway. Also note th	igure out how vent occurs." T PSE to return t ent period and PSE to issue so are is insufficie transition thro 5? What valu lass SDs are of cation results; i on and introduct	to properly allow transition "his can be interpreted may o IDLE any time between the end of the t_cle or t_low ome arbitrary number of cl nt guidance to accommodor hugh CLASS_EV1_AUTO e would be assigned to pso lesigned to transition betwont t is unclear, the utility of o	any ways. The si the beginning of ce timers. If the ass and mark e late the request. ? Could the PSE se_allocated_pw veen states as a verriding a fund for PSEs that wi	olution in place today f the class event intention of this TDL is vents before returning . For example, would E issue any number of vr? f function of the previous amental construct of ill not apply power	appropria CI 145 Stover, David Comment Ty/ PSE Clas signature pd_req_p	te. SC 145.2.5.7 De T ss SD for dual Class SD. Pa wr and thereficated_pwr" pa	<i>Comment</i> -signature PD articularly, stat ore pd_cls_4p	P 125 Linear Tech (Status A Is is inconsister te CLASS_4PII bid are known a	<i>L</i> 1 Corp nt with recent de D4 is inconsisten ffter 3 (not 4) cla:	# 253 PS velopments in singl at with the notion that ss events. Also, the	le- at
TDL/2.2: "F class_lim e allows the f measureme to allow a F to IDLE, the such a PSE events, 1 to The PSE C do_classificatio anyway. Also note th and Type 4 SuggestedRem	igure out how vent occurs." 1 PSE to return t ent period and PSE to issue so ere is insufficie transition thro 5? What valu lass SDs are c pation results; i on and introduce hat, regardless PSEs.	to properly allow transition This can be interpreted may o IDLE any time between the end of the t_cle or t_low ome arbitrary number of cl nt guidance to accommod bugh CLASS_EV1_AUTO e would be assigned to ps lesigned to transition betw t is unclear, the utility of o sing additional complexity the table of the transition betwout the transit transition betwout the transit transi	any ways. The si the beginning of ce timers. If the ass and mark e late the request. ? Could the PSE se_allocated_pw veen states as a verriding a fund for PSEs that wi	olution in place today f the class event intention of this TDL is vents before returning . For example, would E issue any number of vr? f function of the previous amental construct of ill not apply power	Appropria C/ 145 Stover, David Comment Ty/ PSE Classing signature pd_req_p "pse_allo SuggestedRea If not ador single-signed	te. SC 145.2.5.7 SS SD for dual Class SD. Pa wr and thereform cated_pwr" pa wredy ressed agains nature PSE C	Comment -signature PD articularly, stat ore pd_cls_4p aradigm is not st D2.3, add to Class SD into o	P 125 Linear Tech (Status A Is is inconsister te CLASS_4PII bid are known a implemented f	<i>L</i> 1 Corp D4 is inconsisten (fter 3 (not 4) clas for PSE dual-sign ment pse_allocate PSE Class SD. I	# 253 PS velopments in singl t with the notion the ss events. Also, the nature Class SD. ed_pwr scheme fror Modify pd_cls_4pid	at e m
TDL/2.2: "F class_lim e allows the F measureme to allow a P to IDLE, the such a PSE events, 1 tc The PSE C do_classific classificatio anyway. Also note tf and Type 4 SuggestedRem TFTD, plea	igure out how vent occurs." T PSE to return t ent period and PSE to issue so are is insufficie transition thrco 5? What valu lass SDs are cation results; i on and introduce nat, regardless PSEs. redy se.	to properly allow transition This can be interpreted ma o IDLE any time between the end of the t_cle or t_lo ome arbitrary number of cl nt guidance to accommod bugh CLASS_EV1_AUTO e would be assigned to ps lesigned to transition betw t is unclear, the utility of o ing additional complexity to of the outcome of this TD	any ways. The si the beginning of ce timers. If the ass and mark e late the request. ? Could the PSE se_allocated_pw veen states as a verriding a fund for PSEs that wi	olution in place today f the class event intention of this TDL is vents before returning . For example, would E issue any number of vr? f function of the previous amental construct of ill not apply power	Appropria C/ 145 Stover, David Comment Ty/ PSE Classing signature pd_req_p "pse_allo SuggestedRea If not ador single-signed	te. SC 145.2.5.7 SS SD for dual Class SD. Pa wr and thereform cated_pwr" pa wredy ressed agains nature PSE C	Comment -signature PD articularly, stat ore pd_cls_4p aradigm is not st D2.3, add to Class SD into o	P 125 Linear Tech (Status A Is is inconsister te CLASS_4PID bid are known a implemented f D TDL: "Implemented dual-signature I termined out of	<i>L</i> 1 Corp D4 is inconsisten (fter 3 (not 4) clas for PSE dual-sign eent pse_allocate	# 253 PS velopments in singl t with the notion the ss events. Also, the nature Class SD. ed_pwr scheme fror Modify pd_cls_4pid	le- at e
TDL/2.2: "F class_lim e allows the f measureme to allow a F to IDLE, the such a PSE events, 1 tc The PSE C do_classificatio anyway. Also note tf and Type 4 SuggestedRem TFTD, plea	igure out how vent occurs." T PSE to return t ent period and PSE to issue so are is insufficie transition thrco 5? What valu lass SDs are cation results; i on and introduce nat, regardless PSEs. redy se.	to properly allow transition This can be interpreted may o IDLE any time between the end of the t_cle or t_low ome arbitrary number of cl nt guidance to accommod bugh CLASS_EV1_AUTO e would be assigned to ps lesigned to transition betw t is unclear, the utility of o sing additional complexity the table of the transition betwout the transit transition betwout the transit transi	any ways. The si the beginning of ce timers. If the ass and mark e late the request. ? Could the PSE se_allocated_pw veen states as a verriding a fund for PSEs that wi	olution in place today f the class event intention of this TDL is vents before returning . For example, would E issue any number of vr? f function of the previous amental construct of ill not apply power	Appropria C/ 145 Stover, David Comment Ty/ PSE Class signature pd_req_p "pse_allo SuggestedRe If not ado single-sig logic such Response	te. SC 145.2.5.7 SS SD for dual Class SD. Pa wr and thereform cated_pwr" pa wredy ressed agains nature PSE C	Comment -signature PD articularly, stat ore pd_cls_4p aradigm is not st D2.3, add to Class SD into o 4pid_* are dei Response S	P 125 Linear Tech (Status A Is is inconsister te CLASS_4PID bid are known a implemented f D TDL: "Implemented dual-signature I termined out of	<i>L</i> 1 Corp D4 is inconsisten (fter 3 (not 4) clas for PSE dual-sign ment pse_allocate PSE Class SD. I	# 253 PS velopments in singl t with the notion the ss events. Also, the nature Class SD. ed_pwr scheme fror Modify pd_cls_4pid	le- at e

C/ 145 SC 145.2.5. Stover, David	7 P 128 Linear Tech (L 8 Corp	# 254	C/ 145 Stover, Da	SC 145 /id	2.7		P 138 Linear Tech (L 20 Corp	# 256
Comment Type TR "IF (CC_DET != 2)"; th	Comment Status A ne constant is named "CC_DB	ET_SEQ"	PSE SD		E is the vo	tage a		as defined in 1		PSE Class dressed in the paragraph
SuggestedRemedy Change "CC_DET" in	ENTRY_SEC to "CC_DET_S	EQ"		voltage	at the PS				r, in which case lever is greater.	V_PSE refers to the
Response ACCEPT.	Response Status W				e "V_PSE					." to "V_PSE is the as defined in 145.1.3."
<i>Cl</i> 145 <i>SC</i> 145.2.6. Stover, David	1 P 133 Linear Tech (L 36 Corp	# 255	Response ACCE	PT IN PRIN	ICIPLI	Response S _E.	Status C		
signature and the othe dual-signature PD, a s	Comment Status D es not address the scenario w er pairset presents an invalid single-signature PD, nor "inva	signature (that is lid on both pairs	s, the PD is neither a sets"). The	pair. F	temove "at	the X	r): Update VP (XX PI" from o s comment: 22	ur draft.	PI definitions to	include 2-pair and 4-
	ario must be assigned an "inv s the PSE to fall back to a 2-p vels.			C/ 145 Stover, Da	SC 145 /id	2.7		P 138 Linear Tech (L 36 Corp	# 257
configuration, a dual-s Modify values to in do "single: Both pairsets dual: Both pairsets are	determine if both pairsets are signature PD configuration, or _cxn_chk function: are connected to a single-sig e connected to a dual-signatu is invalid. This includes an op	either pairset is nature PD config re PD configura	; invalid." guration. tion.	each N <i>Suggested</i> Chang	E is the vo lode of a d <i>Remedy</i> e "V_PSE	tage a ual-sig s the	ignature PD, co	as defined in 1 ontingent upor PSE PI as de	the PD assigne fined in 145.1.3.	PSE Class E may be different on ed Class. " to "V_PSE is the
Proposed Response REJECT.	Response Status Z			Response ACCE	PT IN PRIN	ICIPLI	Response S E.	Status W		
This comment was W	ITHDRAWN by the comment	er.							fined in 145.1.3. PI as defined in	

C/ 145 SC 145.2.7 Stover, David	P 139 Linear Tech Co	L 12	# 258	C/ 145 Stover, Dav	SC 145.2.7 d	P 140 Linear Tec	L 27 h Corp	# 260
Comment Type TR	Comment Status D		PSE Class	Comment T	vpe TR	Comment Status A	·	PSE Class
	an entry for "PD Requested C ature PDs. Also, pedantically,			comple	e classificatio	o the IDLE state when it suc on". Language conflicts with ture state machines return to	behavior described	d in PSE State
Modify "0, 3 to 8" as "3	to 8"			SuggestedF	Remedy			
Proposed Response REJECT.	Response Status Z			PD, but IDLE_*	fails to compl state correspo n on a pairse	DIDLE when it successfully lete classification of a single onding to the appropriate Al t of a dual-signature PD, but	e-signature PD. A F ternative when it si	PSE shall return to the uccessfully completes
C/ 145 SC 145.2.7 Stover, David	P 139 Linear Tech Co	L 51 orp	# 259	Response ACCEP	T IN PRINCIF	Response Status W		
Comment Type TR	Comment Status A		PSE Class	Change	to:			
PSEs that will deliver 4 requirement or poor se	d to a dual-signature PD shall I-pair power." I'm not sure if th entence structure. I believe this ther than anything connecting	is is an overrea	aching technical ntends to apply to Type	comple corresp	ing detection onding to the	o IDLE if it fails to complete of a single-signature PD. A appropriate Alternative if it s ature PD but fails to comple	PSE shall return t	o the IDLE state etes detection on a
SuggestedRemedy				C/ 145	SC 145.2.7	.1 <i>P</i> 140	L 40	# 261
	ed baseline with "Type 3 and T			Stover, Dav	d	Linear Tec	h Corp	
Power to a dual-signat Response ACCEPT IN PRINCIPI	ure PD shall perform classifica Response Status W	ation on each p	arset.	<i>Comment T</i> "Classif		Comment Status A T_CLE1." T_CLE1 no longe	er exists in Clause	PSE Class 145.
Replace aforemention	 ed baseline with "PSEs that wi form classification on each pai		power to a dual-	SuggestedF "" Strike	Remedy 「_CLE1".			
	ionn classification on each pai	1361.		Response		Response Status W		

C/ 145 SC 14	145.2.7.1	P 140	L 44	# 262	C/ 145 SC	145.2.8		P 145	L 9	# 264
Stover, David		Linear Tech C	Corp		Stover, David			Linear Tech (Corp	
Comment Type	TR	Comment Status A		PSE Class	Comment Type	TR	Comment	Status A		PSE Powe
"Type 3 PSEs s	shall provi	de a maximum of four clas	s events and fou	r mark events for	Per Table 14	5-24, Clas	ss 0 is an unde	efined "request	ed Class" for si	ngle-signature PDs
		ess a class reset event clea ests Type 3 and 4 PSEs ca			SuggestedRemed	dy				
and mark event and the class re	nts, which i reset functi	s inconsistent with the imp ion allow any PSE to issue	lementation in PS up to 3 class and	SE SD. class_probe d mark events,	Modify "Single instances.	e-signatu	ire PD, Class 0) to 4" to "Singl	e-signature PD	, Class 1 to 4" in all
		ower, provided the PSE iss power. I believe there is no			Response ACCEPT IN F	PRINCIPL	Response S LE.	Status C		
SuggestedRemedy	V				Modify "Single	e-sianatu	ire PD, Class ()) to 4" to "Sinal	e-signature PD	Class 1 to 4"
Strike "unless a	a class res	set event clears the class a ual, Type 4/Single, Type 4/		ounts." in 4 places:	, ,	Ū	em 5, 6, 7, 11,	0		
Response		Response Status C			C/ 145 SC	145.2.8		P 145	L 15	# 265
ACCEPT.					Stover. David	145.2.0		Linear Tech (# 205
C/ 145 SC 14	145.2.7.1	P 141	L 47	# 263	Comment Type	TR	Comment			PSE Powe
0/143 00 14			L 41				Commone			1021010
-				# 203	Parameter la	bels are i	inconsistent be	tween single-s	ignature and du	al-signature PDs, e.g.
Stover, David Comment Type	т	Linear Tech C Comment Status A	Corp	PSE Class	"Single-signa	ture PD, 0		s "Type 3 dual	-signature PD".	al-signature PDs, e.g. Note these parameters
Stover, David Comment Type As agreed, whe	T nen using d	Linear Tech C Comment Status A o_class_probe, the timing	Corp specification in st	PSE Class	"Single-signa	ture PD, 0 aders des	Class 0 to 4" v	s "Type 3 dual	-signature PD".	
Stover, David Comment Type As agreed, whe CLASS_EV1_L	T nen using d LCE, etc, r	Linear Tech C	Corp specification in st	PSE Class	"Single-signa are under hea SuggestedRemed Modify instan	ture PD, 0 aders des dy ces of "Ty	Class 0 to 4" v scribed as ".pei	s "Type 3 dual r the assigned nature PD" to "	-signature PD". Class" Dual-signature	
Stover, David Comment Type As agreed, whe CLASS_EV1_L SuggestedRemedy Beneath parage	T hen using d LCE, etc, r y graph "In al pecification	Linear Tech C Comment Status A o_class_probe, the timing nay be reduced from T_LC II CLASS states except CL for PSEs in the state DO_	Corp specification in st E to T_CLE2. ASS_EV1_AUTC	<i>PSE Class</i> tates 0", add a paragraph:	"Single-signa are under hea SuggestedRemed Modify instan	ture PD, (aders des dy ces of "Ty ure PD" to	Class 0 to 4" v scribed as ".per	s "Type 3 dual r the assigned nature PD" to " ure PD, Class {	-signature PD". Class" Dual-signature	Note these parameters
Stover, David Comment Type As agreed, whe CLASS_EV1_L SuggestedRemedy Beneath parage "The timing spe T_CLE2 for all Response	T nen using d LCE, etc, r y graph "In al pecification I classificat	Linear Tech C Comment Status A o_class_probe, the timing nay be reduced from T_LC II CLASS states except CL for PSEs in the state DO_	Corp specification in st E to T_CLE2. ASS_EV1_AUTC	<i>PSE Class</i> tates 0", add a paragraph:	"Single-signa are under hea SuggestedRemed Modify instan 4 dual-signatu Proposed Respor REJECT.	ture PD, (aders des dy ces of "Ty ure PD" to	Class 0 to 4" v scribed as ".per ype 3 dual-sigr o "Dual-signatu	s "Type 3 dual r the assigned nature PD" to " ure PD, Class t Status Z	-signature PD". Class" Dual-signature 5"	Note these parameters
Stover, David Comment Type As agreed, whe CLASS_EV1_L SuggestedRemedy Beneath parage "The timing spe T_CLE2 for all	T nen using d LCE, etc, r y graph "In al pecification I classificat	Linear Tech C Comment Status A o_class_probe, the timing nay be reduced from T_LC II CLASS states except CL for PSEs in the state DO_ ion events."	Corp specification in st E to T_CLE2. ASS_EV1_AUTC	<i>PSE Class</i> tates 0", add a paragraph:	"Single-signa are under hea SuggestedRemed Modify instan 4 dual-signatu Proposed Respor REJECT. This commen	ture PD, (aders des dy ces of "Ty ure PD" to	Class 0 to 4" v scribed as ".per ype 3 dual-sigr o "Dual-signatu <i>Response S</i> ITHDRAWN by	s "Type 3 dual r the assigned nature PD" to " ure PD, Class t Status Z	-signature PD". Class" Dual-signature 5"	Note these parameters
Stover, David Comment Type As agreed, whe CLASS_EV1_L SuggestedRemedy Beneath parage "The timing spe T_CLE2 for all Response	T nen using d LCE, etc, r y graph "In al pecification I classificat	Linear Tech C Comment Status A o_class_probe, the timing nay be reduced from T_LC II CLASS states except CL for PSEs in the state DO_ ion events."	Corp specification in st E to T_CLE2. ASS_EV1_AUTC	<i>PSE Class</i> tates 0", add a paragraph:	"Single-signa are under hea SuggestedRemed Modify instan 4 dual-signatu Proposed Respor REJECT. This commen	ture PD, (aders des dy ces of "Ty ure PD" to nse nt was WI	Class 0 to 4" v scribed as ".per ype 3 dual-sigr o "Dual-signatu <i>Response S</i> ITHDRAWN by	s "Type 3 dual r the assigned nature PD" to " ure PD, Class t Status Z v the commente	Signature PD". Class" Dual-signature 5" Pr. <i>L</i> 23	Note these parameters PD, Class 1 to 4"; "Type
Stover, David Comment Type As agreed, whe CLASS_EV1_L SuggestedRemedy Beneath parage "The timing spe T_CLE2 for all Response	T nen using d LCE, etc, r y graph "In al pecification I classificat	Linear Tech C Comment Status A o_class_probe, the timing nay be reduced from T_LC II CLASS states except CL for PSEs in the state DO_ ion events."	Corp specification in st E to T_CLE2. ASS_EV1_AUTC	<i>PSE Class</i> tates 0", add a paragraph:	"Single-signa are under hea SuggestedRemed Modify instan 4 dual-signatu Proposed Respor REJECT. This commen C/ 145 SC Stover, David Comment Type	ture PD, (aders des dy ces of "Ty ure PD" to nse nt was WI 145.2.8.6 E	Class 0 to 4" v scribed as ".per ype 3 dual-sigr o "Dual-signatu <i>Response S</i> ITHDRAWN by	s "Type 3 dual r the assigned nature PD" to " ure PD, Class 9 Status Z r the commente P 154 Linear Tech 0 Status A	L 23 Corp	Note these parameters PD, Class 1 to 4"; "Type
Stover, David Comment Type As agreed, whe CLASS_EV1_L SuggestedRemedy Beneath parage "The timing spe T_CLE2 for all Response	T nen using d LCE, etc, r y graph "In al pecification I classificat	Linear Tech C Comment Status A o_class_probe, the timing nay be reduced from T_LC II CLASS states except CL for PSEs in the state DO_ ion events."	Corp specification in st E to T_CLE2. ASS_EV1_AUTC	<i>PSE Class</i> tates 0", add a paragraph:	"Single-signa are under hea SuggestedRemed Modify instan 4 dual-signatu Proposed Respor REJECT. This commen C/ 145 SC Stover, David Comment Type	ture PD, (aders des dy ces of "Ty ure PD" to nse t was WI 145.2.8.6 E " variable dy	Class 0 to 4" v scribed as ".per ype 3 dual-sign o "Dual-signatu <i>Response S</i> ITHDRAWN by 6.1 <i>Comment</i> e name has imp	s "Type 3 dual r the assigned nature PD" to " ure PD, Class 9 Status Z r the commente P 154 Linear Tech 0 Status A	L 23 Corp	Note these parameters PD, Class 1 to 4"; "Type # 266

C/ 145 SC 145.3.9 P 193 L 1 # 267 Stover, David Linear Tech Corp L	C/ 145 SC 145.1.3.2 P 90 L 41 # 270 Thompson, Geoff GraCaSI S.A. GraCaSI S.A.
Comment Type TR Comment Status D Pres: Stover	Comment Type TR Comment Status A Definitions
Table 145-31 allows a Class 0 to 4 PD with "long_class_event = TRUE" to present 10mA for 7ms, to indicate the PD still requires power. I believe we mean to say, Class 0 to 4 PD may draw a minimum of "10mA for 75ms" or, when long_class_event = TRUE, Class 0 to 4 PD may draw a minimum of "16mA for 7ms to 75ms" or "10mA for greater than 75ms." Otherwise, what is the point of raising lport_MPS to 16mA for Class 5 to 8 PDs?	This definition for "channel" is NOT the same as the definition in cabling docs, therefore using the term channel as defined here will cause great confusion and accompanying technical inaccuracy. SuggestedRemedy
Suggested Remedy	Use the term "link section" for the PI to PI cabling.
See stover_01_0317.pdf	Response Response Status C
Proposed Response Response Status Z	ACCEPT IN PRINCIPLE.
REJECT.	OBE by 269
This comment was WITHDRAWN by the commenter.	### ###
C/ 145 SC 145.5.3.6 P 215 L 40 # 268 Stover, David Linear Tech Corp Linear Tech Corp Linear Tech Corp	Comment 269 has the following response: ACCEPT IN PRINCIPLE.
Comment Type TR Comment Status A DLI Autoclass baseline per stover_01_0117 was not completely implemented. DLI DLI	Add to TDL (Geoff T.): Create list of "channel" instances to be changed to "link section". Include any places channel is referenced, i.e. Rch, Rchan, etc.
SuggestedRemedy Figure 145-46, Modify transition logic from "REQUEST" to "IDLE": "tautoclass_timeout.done" becomes "tautoclass_timeout_done"	C/ 1 SC 1.4.254 P 22 L 32 # 271 Thompson, Geoff GraCaSI S.A. 271
Response Response Status W ACCEPT.	Comment Type TR Comment Status A Definitions There are issues here if there is going to be more than one link section in a system, e.g. one mid-span and one end span.
C/ 00 SC 0 P 0 L 0 # 269 Thompson, Geoff GraCaSI S.A. 269 269	SuggestedRemedy Discuss in TF
Comment Type ER Comment Status A Definitions There are 59 occurances of the term "channel" in the draft. Most of them would more	Response Response Status C ACCEPT IN PRINCIPLE.
properly be described by the term "link section".	TDL (Dylan, Stover): Fix connection check, definitions, etc. for endspan/midspan conflicts.
SuggestedRemedy Change the term "channel" to the proper term for the pluggable portion of the media, i.e.	
"link section". Response Response Status C	
Response Response Status C ACCEPT IN PRINCIPLE.	
Add to TDL (Geoff T.): Create list of "channel" instances to be changed to "link section". Include any places channel is referenced, i.e. Rch, Rchan, etc.	
This comment resolves comment: 270	
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open \	G/general Comment ID 271 Page 61 of 103 /written C/closed U/unsatisfied Z/withdrawn 3/16/2017 10:3

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/ 145	SC 145.2.3	P 93	L 2	# 272	C/ 145	SC 1	145.1.3	P 90)	L 1	# 274
hompson,	, Geoff	GraCaSI S.A.			Tuenge, Ja	ason		Pacific	Northw	est Nati	
Comment 7	Type ER	Comment Status A		Editorial	Comment	Туре	Е	Comment Status	Α		Edito
technic	ally inaccurate.	Switch/Hub" and "Powered Er PoE can be used between a e, there are a number of appli	ny two DTEs as	long as there is a PSE				nductors in a cable, I believe my propose			ed in series) are he text more accurate
	be very useful.	e, mere are a number of appli	cations where a	an upstream power reed	SuggestedRemedy						
Suggested	Remedy						gle condu "two such	ctor" to "two conduct n loops".	ors in se	eries", and chang	ge "a pair of
	e labels with so andidate.	mething more suitable. Powe	ring DTE and "	Powered DTE" would	Response		RINCIPLE	Response Status	С		
Response		Response Status W			ACCE	PIINP	RINCIPLE				
ACCEF	PT IN PRINCIPL	Ε.			Replac condu		cable refe	rences use "DC loop	resistar	nce," which refe	rs to a single
Change Equipm		o "Powering Equipment" and	"Powered End	Station" to "Powered	with "T in serie		e referenc	es use "DC loop res	stance,"	which refers to	two single conductors
This co	omment resolves	s comment: 273					clause us parallel."	es "pairset DC loop	resistanc	ce," which refers	s to a pair of
ン 145 hompson,	SC 145.2.3	P 93 GraCaSI S.A.	L 2	# 273				pairset DC loop resis	tance," v	which refers to t	wo pairs in series."
					C/ 145	SC 1	45.2.8.5.	1 P 15	0	L 33	# 275
Comment 1		Comment Status A		Editorial	Tuenge, Ja	ason		Pacific	Northw	est Nati	
		sequent ligures.			Comment	Туре	Е	Comment Status	Α		Editor
uggested		mathing more quitable. Down	ring DTC and "	Doworod DTC" would	To alig	n with s	ubclause	145.1.3, and there s	hould be	a comma after	"i.e.".
	andidate.	mething more suitable. Powe	inng DTE and T	Powered DTE would	Suggested	IRemedy	V				
Response		Response Status W			Chang	e "the s	ystem, i.e	. channel" to "the por	wer syste	em, i.e., channe	l".
	PT IN PRINCIPL	,			Response			Response Status	С		
OBE by	v 272				ACCE	PT.					
### ##	-				Cl 145 Tuenge, Ja		145.3.8.10		1 Northw	<i>L</i> 36 est Nati	# 276
	ent 272 has the PT IN PRINCIPL	following response: E.			Comment To alig		E subclause	Comment Status 145.1.3, and there sl		a comma after	"i.e.".
Change Equipm		o "Powering Equipment" and	"Powered End	Station" to "Powered	Suggested	Remedy	V	. channel" to "the po			
					Response		, ,	Response Status	-	,,	
					ACCE	PT.					

C/ 145 SC 145.1.3 Tuenge, Jason	P 89 Pacific North	L 18 west Nati	# 277	C/ 145 SC 145.3.2 Walker, Dylan	P 161 Cisco	L 12	# 280
Comment Type E To align with first sen	Comment Status R tence in subclause.		Editorial		Comment Status A mn header. The "g" has falle	n off "Short/Lon"	Editoria and dropped to the
SuggestedRemedy Change "System" to ' Response REJECT.	Response Status C	d "Tupe 1 and T		next line. SuggestedRemedy Reattach the dangling ' Response ACCEPT.	"g". Response Status C		
Parameters"	o the section in Clause 33 title			C/ 145 SC 145.3.3 Walker, Dylan	<i>P</i> 161 Cisco	L 41	# 281
Cl 145 SC 145.1.3 Tuenge, Jason Comment Type E To align with first sen SuggestedRemedy Change "System" to " Response REJECT.	'Power system". Response Status C		# 2 <u>78</u> Editorial	SuggestedRemedy Replace	Comment Status A d sentence has a misspelled 3 and Type 4 PDs shall prov		
This section relates to Parameters"	o the section in Clause 33 title	d "Type 1 and Ty		shown"	3 and Type 4 PDs shall prov	vide the behavior	of the state diagram
Cl 145 SC 145.3.8 Tuenge, Jason	.10 P 190 Pacific North	L 40 west Nati	# 279	Response ACCEPT.	Response Status C		
Comment Type E For consistency and a SuggestedRemedy Change "section" to " Response ACCEPT.			Editorial				

C/ 145 SC 145.3.3.4 Valker, Dylan	P 163 Cisco	L 54	# 282	<i>C</i> / 145 Walker, D	SC 145.3.3.4 Iylan	<i>P</i> 163 Cisco	L 42	# 283
Comment Type E	Comment Status A		PD	D Comment	Type E (Comment Status A		Editorial
Second sentence can be n	nade more compact and	is missing a seri	al comma.	Withir	n the definition of pres	ent_mps, we use "PD's	PI" when "PI" wo	uld suffice.
"may or may not show a	valid or invalid detection	signature" see	ms redundant.	Suggeste Chan				
Also, "may or may not sh TRUE in the NOPOWER s						ntain Power Signature M	PS (see 145.3.9)	to the PD's PI.
SuggestedRemedy				Value FALS		be applied to the PD's P	Ι.	
Change					The MPS is to be a			
"The PD may or may not s				to				
mark current, may or may change the pse_power_lev		nt, may or may r	iot show MPS and ma		rols applying the Mair	ntain Power Signature MI	PS (see 145.3.9)	to the PI.
to					es: E: The MPS is not to E: The MPS is to be a			
"The PD may or may not s current, may or may not dr variable."				Response	e R	esponse Status C		
Response R	Response Status C			C/ 145	SC 145.3.4	P 174	L 44	# 284
ACCEPT IN PRINCIPLE.				Walker, D		Cisco	- ++	11 204
"The PD may or may not s draw any class current, she		•		Comment We ca	51	Comment Status A on state by its proper nar	ne for clarity.	Editorial
				Suggester Chan	-			
				"A PC	presents a valid dete	ection signature when it i	s in a detection s	tate"
				to				
				"A PD	presents a valid dete	ection signature when it i	s in the DO_DET	ECTION state "
				Response ACCE	PRINCIPLE.	esponse Status C		
				Chan	ge			
				"A PC	presents a valid dete	ection signature when it i	s in a detection s	tate"
				to				
				"A PC	presents a valid dete	ection signature when it i	s in DO_DETECT	ΓΙΟΝ"
YPE: TR/technical required E							ent ID 284	Page 64 of 103

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

3/16/2017 10:32:29 AM

C/ 145 SC 145. Walker, Dylan	3.4 <i>P</i> 175 Cisco	L 5	# 285		<i>Cl</i> 145 Walker, Dy	SC 145.3.6 Ian	P 17 Cisco	77 L 14	# 287
Comment Type E Unnecessary com	Comment Status A			4PID	Comment ⁻ First se	<i>Type</i> E entence has an e	<i>Comment Status</i> xtra "PD".	Α	Editorial
SuggestedRemedy Change					Suggested Chang	2			
4PID in Table 79- when it is powered to "A PD may indicat 4PID in Table 79-0	te the ability to accept power on 6b or by presenting a valid detec d over only one pairset." te the ability to accept power on 6b or by presenting a valid detec d over only one pairset."	tion signature of	n the unpowered pai ing TLV variable PD	irset,	classifi to "Single	cation (see 145.5	5)." nat request Class 1 to	o 3 optionally provid	rovide Data Link Layer e Data Link Layer
Response	Response Status C				ACCEI	PT.			
, ACCEPT IN PRIN					C/ 145	SC 145.3.6.1	P 17	78 L 16	# 288
OBE by 421					Walker, Dy	lan	Cisco		
### ### ###					Comment [®] The wo		Comment Status		<i>Editorial</i> n this clause must support
ACCEPT. C/ 145 SC 145. Valker, Dylan Comment Type E	s the following response: 3.6 P 176 Cisco Comment Status A unneeded "the" prior to "Physica	L 43		ditorial	improv <i>Suggested</i> Chang "PDs ir	ement. <i>Remedy</i> e nplementing Mul [;]	tiple-Event Physical I	ayer classification s	space in the process of shall present class_sig_A
SuggestedRemedy Change					DO_ČI	ASS_EVENT3,	ENT1 and DO_CLAS DO_CLASS_EVENT as defined in Table 1	4, DO_CLASS_EVE	ENT5 and
•	ssified by the PSE based on the ification, or a combination of bot			_ink	to				
	ssified by the PSE based on Phy				DO_CÌ DO_CI	_ASS_EVENT1 a _ASS_EVENT3,	Physical Layer classif and DO_CLASS_EVE DO_CLASS_EVENT as defined in Table 1	NT2 and class_sig_ 4, DO_CLASS_EVE	NT5, and
	ification, or a combination of both	n provided by the	e PD."		Response		Response Status	с	
Response ACCEPT.	Response Status C				ACCEI	PT.			
AUUEF I.					(+1, (2	total) for Dylan ir	the serial comma co	ompetition)	
YPE: TR/technical re	equired ER/editorial required GF D/dispatched A/accepted R/rej	R/general require	ed T/technical E/ed	litorial G/g	jeneral	11/upsatisfied 7		Comment ID 288	Page 65 of 103 3/16/2017 10:32:

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

3/16/2017 10:32:29 AM

<i>Cl</i> 145 <i>SC</i> 145.3.6. 1 Walker, Dylan	P 178 Cisco	L 34	# 289	Cl 145 SC 145.3.6.1.1 P 180 Walker, Dylan Cisco	L 20 # 291
Comment Type E In the last sentence, "F	Comment Status D PDs" should be possessive.		Editorial	Comment Type E Comment Status A First sentence needs a comma for readability.	Editoria
SuggestedRemedy Change				SuggestedRemedy Change	
	pse_power_level and the PE red in the variable pse_assign		ss, pd_req_class, the	"When the PD is presenting a mark event sigr shown in the state diagram of Figure 145-26 a as defined in Table 145-26 and present a non- 145-21."	nd Figure 145-29 the PD shall draw I Mark
	pse_power_level and the PE ved in the variable pse_assign		iss, pd_req_class, the	to	
Proposed Response REJECT.	Response Status Z			"When the PD is presenting a mark event sigr shown in the state diagram of Figure 145-26 a as defined in Table 145-26 and present a non- 145-21."	nd Figure 145-29, the PD shall draw I Mark
This comment was WI	THDRAWN by the commente	er.		Response Response Status	:
C/ 145 SC 145.3.6.1		L 13	# 290	ACCEPT IN PRINCIPLE.	
Walker, Dylan	Cisco			Change to:	
	Comment Status A nal information" column, "V R s described in 145.3.8.1.	eset_PD" is not	<i>Editorial</i> mentioned in	"When the PD is presenting a mark event sigr shown in the state diagram of Figure 145-26 a as defined in Table 145-26 and present a non- 145-21."	nd Figure 145-29, the PD shall draw I Mark
"See 145.3.6.1.1"					
to					
" O					
"See 145.3.8.1"					

C/ 145 SC 145.3.6.1.1 P 180 L 27 # 292 Walker, Dylan Cisco Cisco	C/ 145 SC 145.3.6.2 P 180 L 41 # 294 Walker, Dylan Cisco
Comment Type E Comment Status A Editorial	Comment Type E Comment Status A
Since all PDs in Clause 145 must implement MEPLC, this sentence can be optimized.	Sentence has an out of place "and".
SuggestedRemedy	SuggestedRemedy
Change	Change
"V Mark_th is the PI voltage threshold at which the PD implementing Multiple-Event class signature transitions into, and one of the voltage thresholds to transition out of, the DO_CLASS_EVENT states as shown in Figure 145-26 and Figure 145-29."	"A PD implementing Autoclass shall respond to Physical Layer classification as specified in and 145.3.6.1 with the exception that the PD shall change its current during the first class event to class signature '0' no earlier than T ACS min and no later than T ACS max, as defined in Table 145-27."
to	to
"V Mark_th is the PI voltage threshold at which the PD transitions into, and one of the voltage thresholds to transition out of, the DO_CLASS_EVENT states as shown in Figure 145-26 and Figure 145-29." Response Response Status C	"A PD implementing Autoclass shall respond to Physical Layer classification as specified in 145.3.6.1 with the exception that the PD shall change its current during the first class event to class signature '0' no earlier than T ACS min and no later than T ACS max, as defined in Table 145-27."
ACCEPT IN PRINCIPLE.	Response Response Status C
Change to	ACCEPT.
"V Mark_th is the PI voltage threshold at which the PD transitions into, and one of the voltage thresholds the PD transitions out of, the DO_CLASS_EVENT states as shown in Figure 145-26 and Figure 145-29."	C/ 145 SC 145.3.6.2 P 181 L 1 # 295 Walker, Dylan Cisco Cisco
C/ 145 SC 145.3.6.1.1 P 180 L 31 # [293] Valker, Dylan Cisco	Comment Type E Comment Status A Editorial End of the sentence has a space before the period. End of the sentence has a space before the period. End of the sentence has a space before the period. End of the sentence has a space before the period. End of the sentence has a space before the period. End of the sentence has a space before the period. End of the sentence has a space before the period. End of the sentence has a space before the period.
Comment Type E Comment Status A Editorial	SuggestedRemedy Change
All PDs in Clause 145 must implement MEPLC.	·
SuggestedRemedy Change	"V PD falls below V Reset_th, unless the PD successfully negotiates a higher power level, up to the requested Physical Layer classification, through Data Link Layer classification as defined in 145.5 "
"V Reset_th is the PI voltage threshold at which the PD implementing Multiple-Event class signature transitions from a DO_MARK_EVENT state to the IDLE state as shown in Figure	to
145-26 and Figure 145-29." to	"V PD falls below V Reset_th, unless the PD successfully negotiates a higher power level, up to the requested Physical Layer classification, through Data Link Layer classification as defined in 145.5."
"V Reset_th is the PI voltage threshold at which the PD transitions from a DO_MARK_EVENT state to the IDLE state as shown in Figure 145-26 and Figure 145-29."	Response Response Status C ACCEPT.
Response Response Status C	
ACCEPT.	
YPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/g COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/wr	

SORT ORDER: Comment ID

9 AM

falker, Dylan Cisco Walker, Dylan Cisco ommani Type E Comment Status A Editorial Add a serial comme. Type E Comment Status A Editorial Yottgest schemedy Change Comment Status A Editorial The maximum average power, P. Class_PD or P. Class_PD-2P in Table 145-24, Table 145-25 or PDMaxPowerValue in 145.53.3, is calculated over a 1 second interval.* 'NOTE- PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltages reaches 99% of steady state or after T Inrush_PD max.* to 'NOTE- PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltage reaches 99% of steady state or after T Inrush_PD max.* to 'NOTE- PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltage reaches 99% of steady state or after T Inrush_PD max.* to 'NOTE- PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltage reaches 99% of steady state or after T Inrush_PD max.* taker, Dylan Cisco ommant Type E taker, Dylan Cisco ommant Type E taker, Dylan Cisco ommant Type E tast sentence has a couple of commas that need to go. Cisco							
Add a serial comma. You're welcome, Dave! "voltages" should be singular in the note. UggestedRemedy Change "voltages" should be singular in the note. Zb and Table 145-28 or PDMaxPower/value in 145.5.3.3, is calculated over a 1 second interval." "Voltages" should be singular in the note. to "NOTE. PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltages reaches 99% of steady state or after T Inrush_PD max." to "NOTE. PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltages reaches 99% of steady state or after T Inrush_PD max." to "NOTE. PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltages reaches 99% of steady state or after T Inrush_PD max." to "NOTE. PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltages reaches 99% of steady state or after T Inrush_PD max." to "NOTE. PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltages reaches 99% of steady state or after T Inrush_PD max." to "NOTE -PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltages reaches 99% of steady state or after T Inrush_PD max." to "NOTE -PDs may be subjected to PSE POWER_ON current limits during inrush when the PD ingut voltages reaches 99% of steady state or after T Inrush_PD max." tast sentence has a couple of commas that need to go. Gomment Type E Comment Type In Tabin 145.5.20 C	C/ 145 SC 145.3.8.2 Walker, Dylan		# 296			L 21	# 298
Change The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-25 and Table 145-28 or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-25, and Table 145-28 or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-25, and Table 145-28 or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-25, and Table 145-28 or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-28 or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-28 or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-28, or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-24, Table 145-28, or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-24, Table 145-28, or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The maximum average power, P Class_PD or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* The tast sentence has a couple of commas that need to go. The tast sentence has a couple of commas that need to go. The tast sentence has a couple of cord or C Port-2P charged within T Inrush_PD max, or, by limiting the input inrush current.* The tast sentence has a couple of port or C Port-2P charged within	51		Editorial				Editoria
25 and Table 145-28 or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval.* PD input voltages reaches 99% of steady state or after T Inrush_PD max.* to "NOTE- PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltage reaches 99% of steady state or after T Inrush_PD max.* to "NOTE- PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltage reaches 99% of steady state or after T Inrush_PD max.* to "NOTE- PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltage reaches 99% of steady state or after T Inrush_PD max.* tesponse Response Status C ACCEPT. Comment Type E (145 SC 145.3.8.3 P 185 L 15 # 297 falker, Dylan Cisco Cisco ACCEPT. "App can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." The max or by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." The max or by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." The max or by limiting the input inrush current." to "A PD can meet	SuggestedRemedy Change			,			
to "The maximum average power, P Class_PD or P Class_PD-2P in Table 145-24, Table 145-25, and Table 145-28 or PDMaxPowerValue in 145.5.3.3, is calculated over a 1 second interval." "NOTE- PDs may be subjected to PSE POWER_ON current limits during inrush when the PD input voltage reaches 99% of steady state or after T Inrush_PD max." <i>Response Response Status</i> C ACCEPT. // 145 SC 145.3.8.3 P 185 L 15 # 297 // 145 SC 145.3.8.3 P 185 L 15 # 297 // 145 SC 145.3.8.3 P 185 L 15 # 297 // 145 SC 145.3.8.3 P 185 L 15 # 297 // 145 SC 145.3.8.3 P 185 L 15 # 297 // 145 SC 145.3.8.3 P 185 L 15 # 297 // 145 SC 145.3.8.3 P 185 L 15 # 297 // alker, Dylan Cisco omment Type E Comment Status A Editorial Last sentence has a couple of commas that need to go. uggestedRemedy Change ''A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max, or, by limiting the input inrush current." to ''A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." texponse Response Status C Response Status C	25 and Table 145-28 or PDMax			PD input voltages re			
interval."	"The maximum average power,			"NOTE- PDs may be	e subjected to PSE POWER_O ches 99% of steady state or af	0N current limits du fter T Inrush_PD m	uring inrush when the nax."
esponse Response Status C ACCEPT. ACCEPT. // 145 SC 145.3.8.3 P 185 L 15 # 297 /alker, Dylan Cisco comment Type E Comment Status A Editorial Last sentence has a couple of commas that need to go. uggestedRemedy Change "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max, or, by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max, or, by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." Exponse Response Status C		xPowerValue in 145.5.3.3, is ca	alculated over a 1 second		Response Status C		
Valker, Dylan Cisco comment Type E Comment Status A Last sentence has a couple of commas that need to go. uggestedRemedy Change "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max, or, by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max, or, by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current."	•	onse Status C		ACCEPT.			
Last sentence has a couple of commas that need to go. uggestedRemedy Change "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max, or, by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." esponse Response Status C	C/ 145 SC 145.3.8.3 Walker, Dylan		# 297	I			
Change "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max, or, by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." Pesponse Response Status C			Editorial				
Inrush_PD max, or, by limiting the input inrush current." to "A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." Pesponse Response Status C	SuggestedRemedy Change						
"A PD can meet this requirement by either having C Port or C Port-2P charged within T Inrush_PD max or by limiting the input inrush current." Pesponse Response Status C			Port-2P charged within T				
Inrush_PD max or by limiting the input inrush current." lesponse Response Status C	to						
			Port-2P charged within T				
		onse Status C					

C/ 145	SC 145.	3.8.7	P 190	L 12	# 299	C/ 145	SC	145.3.8.10	P 190	L 41	# 300
Walker, D	Dylan		Cisco			Walker, Dy	/lan		Cisco		
Comment	t Type E	(Comment Status A		Editorial	Comment	Туре	Е	Comment Status A		Editorial
			d well. Taking a stab at an	improvement th	nat would also stay in	There	is a co	mma that n	eeds removing.		
sync	with the 2 ex	isting PI	CS entries.			Suggested	Reme	dy			
Suggeste	edRemedy					Chang	je	-			
Reph	nrase										
			e_PD , the specification f erential pair-to-pair noise a						PI pair-to-pair effective ance unbalance, is de		ance to the effective
	itry, for all ope power of the		oltages in the range of V I	Port_PD-2P, and	d over the range of	to					
as									PI pair-to-pair effective ance unbalance is det		ance to the effective
"V No	nise PD the	specifica	ation for ripple and noise i	n Table 145-28	shall apply to the	Response			Response Status C		
comn circui	non-mode an itry. V Noise_	d/or diffe PD shall	apply for all operating vo ver of the device, and whe	at the PD PI ger Itages in the ran	nerated by the PD age of V Port_PD-2P,	ACCE	PT.				

Response

up to Rch."

Response Status C

ACCEPT IN PRINCIPLE.

"The PD shall meet V Noise_PD, defined in Table 145-28, the common-mode and/or differential pair-to-pair noise at the PD PI generated by the PD circuitry. V Noise_PD applies for all operating voltages in the range of V Port_PD-2P, over the range of input power of the device, and when connected to any source resistance up to Rch."

This comment resolves comment: 318

C/ 145 SC 145.3.9 Walker, Dylan	<i>P</i> 192 Cisco	L 32	# 301	C/ 145 Walker, D	SC 145.3.9 Ivlan	P 192 Cisco	L 36	# 302
	nent Status A		PD MF	PS Commen	•	Comment Status A		PD MP
uggestedRemedy				Sugaeste	dRemedy			
Change				Chan	-			
"For single-signature PD the MF Port_MPS for a minimum durati optional MPS dropout for no lon	on of T MPS_PD m	easured at the P		Port_ MPS	MPS-2P on each	PD the MPS shall consist powered pairset indepen the PD PI followed by an	dently for a minimur	n duration of T
to				4-				
"For a single-signature PD the N	/IPS shall consist of	f current draw eq	ual to or above I	to				
Port_MPS for a minimum durati optional MPS dropout for no lon	on of T MPS_PD m	easured at the P		Port_	MPS-2P on each	PD the MPS shall consist powered pairset indepen	dently for a minimur	n duration of T
Response Respo	nse Status C				_PD measured at O PD."	the PI followed by an opt	tional MPS dropout f	or no longer than I
ACCEPT IN PRINCIPLE.				Response	-	Response Status C		
The "a" is OBEd by 182. Hower conflict with line 48 (" PD shall h				ACCI	EPT IN PRINCIP	-		
is not the PI at all.					by 301			
Since all specs are measured a of these sentences.	t the PI unless othe	rwise noted, let's	just delete the PI part	: ### #	### ####			
Remove "measured at the PD F	l" on line 33 and lin	ne 37.			ment 301 has the EPT IN PRINCIP	following response: _E.		
TFT HS Can't shall a test method. "A PE) shall meet TMPS_	_PD when." Keep	"measured at the PI"	confli		2. However, you made n PD shall have TMPS_PD		
Response DNA: the whole poin is not the same as the one mea pulse is long enough at the PSE something like "it shall be meas	sured at the PD PI. PI. I don't know h	So, we need to ow to do that with	make sure that the nout saying it	Since of the		easured at the PI unless c	otherwise noted, let's	just delete the PI part
better text, your (HS) initial suggemeasurement still occurs at the	estion doesn't acco			Remo		the PD PI" on line 33 and	d line 37.	
This comment resolves comme	nt: 302			TFT I Can't	-	od. "A PD shall meet TMI	PS_PD when." Keep	"measured at the PI"
				is not pulse some bette	the same as the is long enough a thing like "it shall	whole point of this was that one measured at the PD t the PSE PI. I don't known be measured with the work nitial suggestion doesn't at urs at the PI.	PI. So, we need to whow to do that with orst-case resistance.	make sure that the nout saying it ". Please help me find
YPE: TR/technical required ER/ed	litorial required GR	/general required	I T/technical E/editori	al G/general		Co	mment ID 302	Page 70 of 10

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 302

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Cl 145 SC 145.3.9 Walker, Dylan	P 192 Cisco	L 39	# 303	C/ 145 SC 145.3.4 Walker, Dylan	4 <i>P</i> 175 Cisco	L 52	# 305
Comment Type E First sentence is redur this subclause.	Comment Status A Idant since the equivalent sta	tement is made	<i>Editorial</i> in the first paragraph of		Comment Status D litions" column, both entries shu the conditions in Table 145-20		PD Detection or equal to" operator
SuggestedRemedy Delete				SuggestedRemedy Change "less than" s	sign in both entries to "less thar	n or equal to" sign.	
"The values of I port_N Table 145-31."	IPS , I Port_MPS-2P , T MPS	S_PD , and T MF	PDO_PD are shown in	Proposed Response REJECT.	Response Status Z		
Response ACCEPT.	Response Status C			This comment was \	VITHDRAWN by the commente	er.	
first paragraph, last se SuggestedRemedy Change "PDs that detect a long	P 192 Cisco Comment Status A 145-26" is redundant becau ntence of this subclause.	of T LCE_PD,	as defined in Table	Also, the "and" shou SuggestedRemedy Change	Cisco Comment Status A an unnecessary comma.	L 19 5, and Figure 145-2	# <u>306</u> Editoria 29;"
"PDs that detect a long	g first class event in the range r standby MPS power." <i>Response Status</i> C	of T LCE_PD n	nay reduce T MPS_PD	"shall conform to the <i>Response</i> ACCEPT.	state diagram in Figure 145-26 Response Status C	6 or Figure 145-29;	n

-	45.3.6.1	P 178	L 40	# 307	C/ 145		145.2.6.1	P 133	L 37	# 308
Walker, Dylan		Cisco			Walker, D	ylan		Cisco		
Comment Type	T Co	omment Status A		PD Class	Comment	Туре	т	Comment Status D		Pres: Stover
Last sentence s "pd_max_powe		o "pse_assigned_class	(M)" rather than					of Connection Check need has a valid signature and the		
Also, "PDs" sho	ould be posse	essive in this case.			Credit	to Mr. S	Stover for i	dentifying this issue.		
SuggestedRemedy	,				Suggestee	dRemed	У			
Change					Chang	ge				
pd_req_class_r pd_max_power	mode(M), the	power_level_mode(M) assigned Class is deriv			the cla conne	assificati cted to a	on of a PI	ower on both pairsets shall 0 as specified in 145.2.7 to gnature PD configuration, a ."	determine if both	n pairsets are
to					to					
	mode(M), the r_mode(M)."	power_level_mode(M) assigned Class is derives sponse Status C			the cla	assificati	on of a PI	ower on both pairsets shall D as specified in 145.2.7 to figuration, a dual-signature	determine if the	PSE is connected to a
ACCEPT IN PR					Proposed	Respon	se	Response Status Z		
ACCEL LINE					REJE	CT.				
	mode(M), the	power_level_mode(M) a assigned Class is deriv M) "			This c	comment	t was WIT	HDRAWN by the commented	er.	
poo_aooignea_	0000_110000(<i>CI</i> 00 Yseboodt,		145.2.8.5 :	P 149 Philips	L 36	# 309
					be tur	alculatio ned base	d on Rcha	Comment Status D nition of IPeak-2P-unb is co an. nclear and seems redundar	•	Pres: Yseboodt nbalance amount can
					Suggestee	dRemed	y			
					Adopt	yseboo	dt_02_031	5_ipeak2punb.pdf		
					Proposed REJE	•	se	Response Status Z		
					This c	omment	t was WIT	HDRAWN by the comment	er.	

Comment Type ER Comment Status A PD Pow
Table 145-28, Item 13 Ripple and Noise, additional information: "See 145.3.8.7. Balanced source impedance: R_Ch".
Means what ? 145.3.8.7 does not mention anything about balanced source impedances. SuggestedRemedy Strike: "Balanced source impedance: R_Ch." Response Response Status C ACCEPT.
C/ 145 SC 145.3.8.2.1 P 184 L 37 # 313 Yseboodt, Lennart Philips
Comment Type TR Comment Status A Pres: Stewar
"For Class 5 dual-signature PDs, when additional information is available to the PD regarding actual channel DC resistance between the PSE PI and the PD PI, the PD may consume greater than P Class_PD-2P but shall not consume greater than P Class-2P at the PSE PI and shall not draw current in excess of I Cable as defined in Table 145-1." PClass-2P applies to a pairset, not the complete PSE PI.
SuggestedRemedy
" but shall not consume greater than P Class-2P on the pairset at the PSE PI and"
Response Response Status C ACCEPT.

the maintenance requests in clause 33.

C/ 145 SC 145.3.8.3							
Yseboodt, Lennart	P 185 Philips	L 32	# 314	C/ 145 SC 145.3.8.6 Yseboodt, Lennart	6 P 188 Philips	L 40	# 316
 28, are limited by the PS to 6, and if C Port < 360 Inrush current is limited r the PD can expect to get its own current control. A 	Comment Status A startup, I Inrush_PD and I li E if C Port < 180 mF for sin mF for PDs assigned to Cla regardless of the value of C t successfully inrushed by th slot those currents arent lim	gle-signature PDs ass 7 or 8." Port. The value of ne PSE if the PD o	s assigned to Class 0 CPort determines if does not implement	Comment Type E Table 145-29 has a rea SuggestedRemedy Remove it. Response ACCEPT.	Comment Status A dundant Type column. Response Status C		Editoria
PSEs don`t assign to Cla SuggestedRemedy	155 0.			C/ 145 SC 145.3.8.6 Yseboodt, Lennart	6 P 190 Philips	L 1	# 317
which is sufficient curren - CPort < 180uF - CPort < 360uF - CPort-2P < 110uF - CPort-2P < 180uF Delete lines 31-37 (rush current to Ilnrush and t to charge CPort or CPort-2 for single-signature PDs as for single-signature PDs as for dual-signature PDs as for dual-signature PDs as the quoted text + its dual-signature to solve the PSE	2P to VPort_PSE- ssigned to Class ssigned to Class ssigned to Class ssigned to Class to g variant).	2P when: 1 through 6 7 or 8 1 through 4	incredibly complex way SuggestedRemedy - Delete page 190, line - Change in Figure 145 - update where clause Response	Comment Status A sient section there is a remnant from 802.3at, w ay to describe I_LIM-2P min + 5mA. e 1 through 10 .5-33, in TR1, "MDI I_LIM-2P" by I_LIM-2P + 5m e for Figure 145-33 to reflect changes <i>Response Status</i> C		
Delete The Initiati				ACCEPT.			
	Response Status W						
Response							
Response ACCEPT.	comment: 236	L 22	# [315				
Response ACCEPT. This comment resolves of Cl 145 SC 145.3.8.4.1 Yseboodt, Lennart Comment Type TR	comment: 236 P 187		# 315 Pres: Yseboodt5				
Response ACCEPT. This comment resolves of CI 145 SC 145.3.8.4.1 Yseboodt, Lennart Comment Type TR	comment: 236 P 187 Philips Comment Status D er exceptions section needs						

C/ 145 SC 145.3.8.7 P 190 L 15 # 318 Seboodt, Lennart Philips	C/ 145 SC 145.3.8.7 Yseboodt, Lennart	P 190 Philips	L 22	# 319
Comment Type T Comment Status A Editorial	Comment Type E	Comment Status A		Editorial
"The PD shall meet V Noise_PD , the specification for ripple and noise in Table 145-28, the common-mode and/or differential pair-to-pair noise at the PD PI generated by the PD	"The system designer is a and PD generate"	advised to assume the wo	rst-case conditior	in which both PSE
circuitry, for all operating voltages in the range of V Port_PD-2P , and over the range of input power of the device."	SuggestedRemedy			
- Sentence stumbles all over itself.	Redundant words remove "Assume the worst-case of	ed: condition in which both PS	SE and PD genera	ate"
- "over the range of input power" is a redundant qualifier of this requirement	Response	Response Status C		
SuggestedRemedy	ACCEPT IN PRINCIPLE.	,		
Replace by: "The PD shall meet V Noise_PD, the common-mode and/or differential pair-to-pair noise at the PD PI generated by the PD circuitry, as defined in Table 145-28, for all operating	Make it a note.			
voltages in the range of V Port_PD-2P".	"The worst-case conditior	n is when both PSE and P	D generate."	
Response Response Status C	C/ 145 SC 145.3.8.10	P 190	L 38	# 320
ACCEPT IN PRINCIPLE.	Yseboodt, Lennart	Philips		
OBE by 299	Comment Type TR There are currently no pe	Comment Status A eak unbalance requirement	ts for the PD.	Pres: Yseboodt8
### ### ###	SuggestedRemedy			
Comment 299 has the following response: ACCEPT IN PRINCIPLE.	Adopt yseboodt_08_0315	5_peakunbalance.pdf		
ACCEPT IN PRINCIPLE.	Response	Response Status C		
"The PD shall meet V Noise_PD, defined in Table 145-28, the common-mode and/or differential pair-to-pair noise at the PD PI generated by the PD circuitry. V Noise_PD	ACCEPT IN PRINCIPLE.			
applies for all operating voltages in the range of V Port_PD-2P, over the range of input power of the device, and when connected to any source resistance up to Rch."	adopt yseboodt_08_0317 expressions to equations.	/_peakunbalance.pdf with	editorial license to	o move inline
	Also, insert "and 5% duty Add:	v cycle" after Tcut-2p min i	n two locations.	
	"Note - The duty cycle of width of 1s." below the text.	the peak current is calcula	ated using any sli	ding window with a

Cl 145 SC 14 Yseboodt, Lennart	5.3.8.10 <i>P</i> 191 Philips	L 20	# 321	C/ 145 Yseboodt,	SC 145.3.8.10 Lennart	D P1 Philip		# 322
Comment Type T "Under all opera Equation (145-8 when PD PI pair voltage in the ra source_min and 34." This is a trouble - dual-sig PDs a 2P) under any ci - Icon-2P is a PS - what this really connected to a c	comment Type TR Comment Status A Pres: Darshan12 "Under all operating states, dual-signature PDs shall not exceed I Con-2P as defined in Equation (145-8) for longer than T CUT-2P min as defined in Table 145-16 on any pair when PD PI pairs of the same polarity are connected to all possible common source voltage in the range of V Port_PSE-2P through two common mode resistances, R source_min and R source_max, as defined in Equation (145-32) and shown in Figure 145-34." This is a troublesome statement for a few reasons: - dual-sig PDs are already required not to exceed PClass_PD-2P (which equates to Icon-2P) under any circumstance - Icon-2P is a PSE parameter, unknowable to the PD - what this really tries to do is qualify that PClass_PD-2P shall to only apply to PDs connected to a channel with acceptable unbalance. uggestedRemedy Since the object of this shall (not to exceed ICon-2P) is already met, only the qualifying condition has any value in this statement. Option 1 is the simplest. If we really want to specify unbalance requirements for single-load dual-signature PDs option 2. Option 3 explain that dual-sigs can only meet PClass_PD-2P, when connected through a					Comment Status 34: ludes resistance R c immended R con val arameter which is us ond sentence. This c is connectors being us	A con which is the connulue is 0.02 ohm." sed only once in the e connection resistance sed, as well as many sistance at the PD P	Pres: Darshan1 nection resistance at the entire draft: in the same e is precisely at the PI and other factors.
Since the object condition has an Option 1 is the s dual-signature P Option 3 explain							ct."	I, for which the maximum
OPTION 1: Rem OPTION 2: Rep "Dual-signature for longer than T same polarity ar Port_PSE-2P th	 OPTION 1: Remove the quoted paragraph. OPTION 2: Replace as follows: "Dual-signature PDs shall not exceed PClass_PD-2P / VPD, as defined in Table 145-25, for longer than TCUT-2P min as defined in Table 145-16 on any pair, when pairs of the same polarity are connected through all possible common source voltage in the range of V Port_PSE-2P through two common mode resistances, R source_min and R source_max, as defined in Equation (145-32) and shown in Figure 145-34." 				Lennart <i>Type</i> E 145-31 (PD DC M <i>Remedy</i> ve column. PT.	Philip <i>Comment Status</i> IPS) contains a "PD <i>Response Status</i>	A Type" column that h	<i>Editoria</i> . as "3, 4" as value in every
as defined in 14 common source	PDs can only meet the input ave 5.3.8, when PD PI pairs of the sa voltage in the range of V Port_P ource_min and R source_max, a	me polarity are con SE-2P through two	nnected to all possible common mode					
Response ACCEPT IN PRI Add TDL (Yair, L	Response Status C		(lcon-2p)					

C/ 145 SC 145		_									
	.4.8	P 200	L 8	# 324	C/ 145		45.5.3.3		211	L 15	# 326
Yseboodt, Lennart	_	Philips			Yseboodt,		_		lips		
Comment Type T		nt Status A		AES	Comment			Comment Statu			Pres: Darshan
	dspan PSEs that s han or equal to 10			e channel current				_type is not used the PSE or PD se		145-43 or 145-4	4, nor in Table 145-39.
used to be: "Alte	rnative A Type 2	Vidspan PSFs th:	at support 100BA	ASE-TX shall enforce	Suggested	Remedy					
channel current u				able 33-18) or meet	Remo	ve variab	le from 14	45.5.3.3.			
33.4.9.2."					Response			Response Statu	s C		
This changed as	part of the Clause	e split and now is	a requirement o	n Type 3/4 as well.	ACCE	PT IN PF	RINCIPLE				
TF to verify this is explicit value.	s correct. I also ch	nanged the refere	nce to a Type 1	parameter to an	OBE b	y 351					
The description of	of unbalance is po	orly worded, shou	ມld be intra-pair ເ	unbalance.	### ##	#####					
SuggestedRemedy				Comm	ent 351 l	has the fc	llowing response	:			
Change to:					ACCE	PT IN PF	RINCIPLE				
	e less than or equ			e channel intra-pair	Adopt	darshan_	_04_0317	Rev008.pdf			
Response	Response	e Status C			C/ 145	SC 14	45.5.3.6	F	°211	L 15	# 327
ACCEPT IN PRI	NCIPLE.				Yseboodt,	Lennart		Phi	lips		
"Alternative A Mi	dspan PSEs that s æ (See 33A.3) less	support 100BASE s than or equal to	-TX shall enforc lunb (See 145.2	e channel intra-pair 2.8.12) or meet	<i>Comment</i> Variab		TR power_typ	<i>Comment Statu</i> be" is not used ar			Pres: Darshan
145.4.9.2.""					Suaaestea	IRemedv					
145.4.9.2.""	i.5.3	P 207	L 27	# 325	Suggested Remo			ower_type" on pa	ge 211, 21	18 and 221.	
145.4.9.2."" C/ 145 SC 145	j.5.3	<i>P</i> 207 Philips	L 27	# 325	Remo	ve variab		ower_type" on pa	•	18 and 221.	
145.4.9.2.""		-	L 27	# <u>325</u> Pres: Yseboodt4	Remov Response	ve variab	le "pse_p	ower_type" on pa Response Statu	•	18 and 221.	
145.4.9.2."" <i>Cl</i> 145 <i>SC</i> 145 Yseboodt, Lennart <i>Comment Type</i> T The variables in t PD_DLLMAX_VA	R Commer the DLL "Constant ALUE, PD_INITIAL	Philips <i>nt Status</i> A ts" subclause are L_VALUE, and PS	not constants. SE_INITIAL_VAI	Pres: Yseboodt4	Remov Response	ve variab PT IN PF		ower_type" on pa Response Statu	•	18 and 221.	
145.4.9.2."" C/ 145 SC 145 Yseboodt, Lennart Comment Type T The variables in f PD_DLLMAX_VA other variables (p	R Commer	Philips <i>nt Status</i> A ts" subclause are L_VALUE, and PS d_allocated_pwr)	not constants. SE_INITIAL_VAI to get their value	Pres: Yseboodt4 LUE all depend on e.	Remov Response ACCE	ve variab PT IN PF vy 351	le "pse_p	ower_type" on pa Response Statu	•	18 and 221.	
145.4.9.2."" <i>Cl</i> 145 <i>SC</i> 145 Yseboodt, Lennart <i>Comment Type</i> T The variables in the variables (production of the variables	R Commer the DLL "Constant ALUE, PD_INITIAL od_max_power, po	Philips <i>nt Status</i> A ts" subclause are L_VALUE, and PS d_allocated_pwr)	not constants. SE_INITIAL_VAI to get their value	Pres: Yseboodt4 LUE all depend on e.	Remov Response ACCE OBE b ### ##	ve variab PT IN PF vy 351 ## ###	le "pse_p	ower_type" on pa Response Statu	s C	18 and 221.	
145.4.9.2."" C/ 145 SC 145 Yseboodt, Lennart Comment Type T The variables in 1 PD_DLLMAX_VA other variables (p These get set aft SuggestedRemedy	R Commer the DLL "Constant ALUE, PD_INITIAL od_max_power, po	Philips <i>nt Status</i> A ts" subclause are L_VALUE, and PS d_allocated_pwr) as completed. As	not constants. SE_INITIAL_VAI to get their value	Pres: Yseboodt4 LUE all depend on e.	Remov Response ACCE OBE b ### ## Comm	ve variab PT IN PF vy 351 ## ### vent 351 I	le "pse_p	ower_type" on pa <i>Response Statu</i> 	s C	18 and 221.	
145.4.9.2."" <i>Cl</i> 145 <i>SC</i> 145 Yseboodt, Lennart <i>Comment Type</i> T The variables in 1 PD_DLLMAX_V/ other variables (p These get set aft <i>SuggestedRemedy</i>	R Commer the DLL "Constant ALUE, PD_INITIAL od_max_power, po ter classification ha _04_0317_dllconst	Philips <i>nt Status</i> A ts" subclause are L_VALUE, and PS d_allocated_pwr) as completed. As	not constants. SE_INITIAL_VAI to get their value	Pres: Yseboodt4 LUE all depend on e.	Remov Response ACCE OBE b ### ## Comm ACCE	ve variab PT IN PF vy 351 ## ### hent 351 I PT IN PF	le "pse_p RINCIPLE has the fo RINCIPLE	ower_type" on pa <i>Response Statu</i> 	s C	18 and 221.	

P 211 Philips Comment Status A of the do_autoclass_measu ITOCLASS removed.). Response Status C E. of do_autoclass_measure, a P 215 Philips Comment Status A URE includes "!pd_autocla			Yseboodt, Lennart Philips Comment Type E Comment Status A In Figure 145-45 inside the caption the word "DLL" is used for PSE but not for 46 inside the PD caption. SuggestedRemedy Change caption to: PD DLL Autoclass control state diagram. Response Response Status C ACCEPT.	# 331 Editorial or Figure 145-
of the do_autoclass_measu TOCLASS removed.). <i>Response Status</i> C E. of do_autoclass_measure, a <i>P</i> 215 Philips <i>Comment Status</i> A	as was done in th	he updated on in the	In Figure 145-45 inside the caption the word "DLL" is used for PSE but not for 46 inside the PD caption. SuggestedRemedy Change caption to: PD DLL Autoclass control state diagram. Response Response Status C ACCEPT. C/ 145 SC 145.6.1 P 224 L 21 #	or Figure 145-
TOCLASS removed.). <i>Response Status</i> C of do_autoclass_measure, a <i>P</i> 215 Philips <i>Comment Status</i> A	as was done in th	e PSE section.	46 inside the PD caption. SuggestedRemedy Change caption to: PD DLL Autoclass control state diagram. Response Response Status C ACCEPT. C/ 145 SC 145.6.1 P 224 L 21 #	Ĵ
e. of do_autoclass_measure, a P 215 Philips <i>Comment Status</i> A			Change caption to: PD DLL Autoclass control state diagram. Response Response Status C ACCEPT. Cl 145 SC 145.6.1 P 224 L 21 #	t [<u>332</u>
e. of do_autoclass_measure, a P 215 Philips <i>Comment Status</i> A			Response Response Status C ACCEPT.	f 332
e. of do_autoclass_measure, a P 215 Philips <i>Comment Status</i> A			ACCEPT. C/ 145 SC 145.6.1 P 224 L 21 #	t 332
of do_autoclass_measure, a P 215 Philips Comment Status A			CI 145 SC 145.6.1 P 224 L 21 #	t 332
P 215 Philips Comment Status A				\$ 332
Philips Comment Status A	L 10	# 329	r seboodt, Lennart Philips	
Comment Status A				
			Comment Type TR Comment Status A	Environmental
		DLL	"All equipment subject to this clause shall conform to IEC 60950-1. In particu shall be classified as a Limited Power Source in accordance with IEC 60950-	
in the PSE. " from the arc from IDLE to <i>Response Status</i> C	MEASURE.		SuggestedRemedy Replace by: "All equipment subject to this clause shall conform to IEC 60950-1 and IEC 6	omitted. 62368-1. In
comment: 213				
P 215 Philips Comment Status A _measurement_done" is mi s_measure_done" Response Status C	L 15	# 330 DLL	 36) measured according to 6.2.2:" - exceeds PS1 limits; and" - does not exceed 100 W measured after 5 s." Right now IEC 62368-1 is out for vote and will reach 3.0 stage after This standard is specific to PoE and USB powering: "Safety of elected equipment within the field of audio/video, information technology and commutechnology" 	er April. ctronic unication
	" from the arc from IDLE to Response Status C comment: 213 P 215 Philips Comment Status A _measurement_done" is m s_measure_done"	" from the arc from IDLE to MEASURE. <i>Response Status</i> C comment: 213 <i>P</i> 215 <i>L</i> 15 Philips <i>Comment Status</i> A _measurement_done" is misspelled. s_measure_done"	" from the arc from IDLE to MEASURE. <i>Response Status</i> C comment: 213 P 215 <i>L</i> 15 # <u>330</u> Philips <i>Comment Status</i> A <i>DLL</i> _measurement_done" is misspelled. s_measure_done"	* from the arc from IDLE to MEASURE. Response Status C Status * P 215 L 15 * P 215 L 15 * Philips Comment Status A Comment Status A DLL measurement_done" is misspelled. * s_measure_done" Response Status C Status C We will need to review it and possible include a shall statement for Response Status C Response Status C

TDL (Dylan): Figure out the which IEC standard(s) we need to reference. (See Darshan14).

C/ 145 SC 33A.3 Yseboodt, Lennart	<i>Р</i> 257 Philips	L 8	# 333	C/ 145 SC 145.2.5. Yseboodt, Lennart	4 P 105 Philips	L 15	# 336
Comment Type ER Equations 33A-1, 33A	Comment Status A A-2 and 33A-3 are not equati	ons due to a mis	Pres: Darshan1 ssing equal sign.	Comment Type ER Variable "option_class	Comment Status A probe" should be "option_clas	ss_probe".	Editoria
SuggestedRemedy Suggest parameter na Introduce names and Response ACCEPT IN PRINCIF	Response Status C	nd RCh_delta as	s names.	SuggestedRemedy Fix. Response ACCEPT.	Response Status W		
OBE by 111	LL.			C/ 145 SC 145.2.5.4 Yseboodt, Lennart	4 P 105 Philips	L 38	# 337
### ### ### Comment 111 has the ACCEPT IN PRINCIF				Comment Type ER "This optional variable See comment #444 ag behavior.	Comment Status A " gainst D2.2, variables are not	optional, but ma	<i>Editoria</i> y indicate optional
adopt darshan_01_03 C/ 145 SC 145B.3	817Rev008.pdf P 268	L 45	# 334	SuggestedRemedy Replace "optional vari	able" by "variable" for:		
Yseboodt, Lennart Comment Type E	Philips Comment Status A Imeters in Figure 145B-15 cap		Annex	- option_vport_lim - option_vport_lim_pri - option_vport_lim_sed Response ACCEPT.	Response Status W		
SuggestedRemedy Change to: "Autoclass timing diag	grams"			C/ 145 SC 145.2.5. Yseboodt, Lennart	7 P 106 Philips	L 30	# 338
Response ACCEPT.	Response Status C				Comment Status A use of "pd_allocated_pwr" ar		
Cl 145 SC 145.2.1 Yseboodt, Lennart	P 91 Philips	L 35	# 335		baseline last cycle was to chas s power (=> pd_req_pwr), the		
	Comment Status A 145-2 only shows Physical lay	ver table, but is a	<i>Editorial</i> also used for DLL.	<i>SuggestedRemedy</i> Global replace "pd_all This also takes care o	ocated_pwr" to "pse_allocated f dual-signature.	d_pwr".	
SuggestedRemedy Add: "and Table 145- Response ACCEPT.	12" to the footnote text. Response Status C			Response ACCEPT.	Response Status W		

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

C/ 145 SC 145.2.5.6 P 113 L 10 # 339	C/ 145 SC 145.2.5.7 P 119 L 10 # 341
Yseboodt, Lennart Philips	Yseboodt, Lennart Philips
Comment Type T Comment Status A PSE SD	Comment Type T Comment Status A PSE S
The function do_autoclass_measure returns the variable P_AUTOCLASS, which is not used in the state diagram. This variable seems an alias for P_Autoclass, which is used in the text.	PSE SD, from DETECT_EVAL to BACKOFF: "(pse_alternative = b) * (sig_pri = invalid) * (sig_pri != open_circuit)".
	The last statement is redundant to the second one.
There seems no need for this function to return a variable.	SuggestedRemedy
SuggestedRemedy	Replace by: "(pse_alternative = b) * (sig_pri = invalid)"
Remove from "The function returns" until "do_autoclassification".	Response Response Status C
Response Response Status C ACCEPT IN PRINCIPLE.	ACCEPT.
Replace from "The function returns" until "do_autoclassification" with:	C/ 145 SC 145.2.5.7 P 120 L 43 # 342 Yseboodt, Lennart Philips Philips Philips Philips Philips
"This function does not return any variables."	Comment Type TR Comment Status A Pres: Ysebood
Make same change to P211 L40.	Fix mistakes in PSE classification found during simulation (if any).
·	SuggestedRemedy
This comment resolves comment: 428	Adopt yseboodt_06_0315_classification.pdf
C/ 145 SC 145.2.5.6 P 113 L 37 # 340 Yseboodt, Lennart Philips	Response Response Status C ACCEPT IN PRINCIPLE.
Comment Type E Comment Status A Editorial variable "pd req pwr probe" has no underscores in between words.	Adopt yseboodt_06_0315_classification.pdf while changing ".done" to _done where appropriate.
SuggestedRemedy Change to "pd_req_pwr_probe".	This comment resolves comments: 147, 252
Response Response Status C ACCEPT.	C/ 145 SC 145.2.5.7 P 121 L 29 # 343 Yseboodt, Lennart Philips
	Comment Type E Comment Status A PSES Statement "IF pd_req_pwr = 4 * pd_class_sig!=4" is missing brackets for readability + spaces.
	SuggestedRemedy
	Change to: "IF (pd_req_pwr = 4) * (pd_class_sig != 4)"
	Response Response Status C
	ACCEPT.

Cl 145 SC 145.2.5.7 Yseboodt, Lennart	7 <i>P</i> 121 Philips	L 30	# 344	C/ 145 SC 145.2.5 Yseboodt, Lennart	7 <i>P</i> 122 Philips	L 25	# 347
Comment Type E Statement "pd_req_pv	Comment Status A vr <= pd_class_sig+5" is miss	sing spaces arour	PSE SD nd +.	Comment Type E Arc from POWER_O	Comment Status A N to POWER_ON, has hangin	ıg "!".	PSE SD
SuggestedRemedy Add spaces around "+	."			SuggestedRemedy Move the ! to the nex	t line and have !tmpdo_timer_	done.	
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
Cl 145 SC 145.2.5.7 Yseboodt, Lennart	7 P 122 Philips	L 21	# 345	C/ 145 SC 145.2.5 Yseboodt, Lennart	.7 <i>P</i> 123 Philips	L 38	# 348
Comment Type E Function name "do_up "pse_allocated_pwr". SuggestedRemedy	Comment Status A odate_pd_allocated_pwr" is no	ot consistent with	PSE SD used variable	Comment Type T Statement in exit arc "alt_sec_pwrd" in it. Should be "alt_pwrd_	Comment Status A from IDLE_ACS to WAIT_AC	S has misspelled	PSE SD I variable name
Change function name	e to: "do_update_pse_allocate	ed_pwr"		SuggestedRemedy	e "alt_sec_pwrd" to "alt_pwrd	sec"	
Response	Response Status C			Response		_300.	
ACCEPT.				ACCEPT.	Response Status C		
C/ 145 SC 145.2.5.7		L 22	# 346	C/ 145 SC 145.2.5	.7 <i>P</i> 123	L 39	# 349
Yseboodt, Lennart	Philips		505.05	Yseboodt, Lennart	Philips	- 00	" 040
Comment Type T	Comment Status A r_update = False" is missing	to provent legnin	PSE SD	Comment Type T	Comment Status A		PSE SD
SuggestedRemedy			y.	21	utoclass = False" inside the ID	DLE_ACS state o	
·	to the POWER_UPDATE sta	ate.		SuggestedRemedy			
Response	Response Status C			Remove the stateme	nt "pd_autoclass = False" in th	ne IDLE_ACS sta	ate.
ACCEPT.				Response	Response Status C		
OBE by 95				ACCEPT.			
### ### ### Comment 95 has the f ACCEPT. Suggested remedy: In the POWER_UPDA	following response: .TE state, add "pse_power_u	odate <= FALSE'					

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 145 SC 145.2.5.7 Yseboodt, Lennart	P 123 Philips	L 45	# 350	C/ 145 SC 145 Yseboodt, Lennart	5.2.6.6	P 137 Philips	L 1	# 352
Comment Type T Statement in exit arc fr "alt_sec_pwrd" in it. Should be "alt_pwrd_se	Comment Status A om IDLE_ACS to MEASURE ec".	_ACS has missp	PSE SD belled variable name	PI"	alid PD dete	omment Status A ction signature electrica		
SuggestedRemedy						etection signature electri	Ical characterist	ICS
Change variable name	"alt_sec_pwrd" to "alt_pwrd_	sec".		Inconsistent table	e header.			
Response ACCEPT.	Response Status C			<i>SuggestedRemedy</i> Replace by: "Table 145-9Va	alid PD dete	ction signature electrica	l characteristics	, as measured at the
C/ 145 SC 145.2.5.7	P 127	L 17	# 351	PSE PI"		Ū		
Yseboodt, Lennart	Philips			"Table 145-10Ir	ovalid PD d	etection signature electri	ical characterist	ics as measured at the
Comment Type TR	Comment Status A		Pres: Darshan4	PSE PI"				
POWER_ON_PRI. Also, we folded this inter	-signature currently causes m o POWER_ON with an IF sta			Response ACCEPT.	Re	sponse Status C		
, e	nakes room for the power upd	ate state Yair wi	ll add in darshan_04).	C/ 145 SC 145 Yseboodt, Lennart	5.2.7	P 137 Philips	L 28	# 353
SuggestedRemedy				Comment Type E	R C	omment Status A		Editorial
Do: - delete DLL_ENABLE - append to POWER_C "IF pse_dll_capable TH		E END"		Our draft uses a mean the same t	mixture of " thing.	classification signature" lection of class events. I		s signature" (42x) to
For the _SEC as well.				0				
Response	Response Status C			SuggestedRemedy Replace "classifi	cation signs	ature" by "class signature	e" throughout th	e draft
ACCEPT IN PRINCIPL	.E.			·	0	, 0		
Adopt darshan_04_03	17Rev008.pdf			Response ACCEPT.	Re	sponse Status W		
This comment resolves 326, 327, 358, 389, 39	s comments: 85, 86, 100, 101 0	, 125, 127, 132,	133, 134, 136, 169,					

C/ 145 SC 14 Yseboodt, Lennart	-	P 137 Philips	L 43	# 354	C/ 145 Yseboodt,	SC 145.2.7 Lennart	P 137 Philips	L 46	# 355	
"The PD respor of classification	signatures." an ideal spot to mentio	with a currer		<i>Editorial</i> ne of a limited number s (we use it in the next	Table ² as defi Table ² First se	SE shall provide 145-14 only for a ned for V Port_P 145-14." entence: it tries to	Comment Status A V Class with a current limita pairset with a valid detection SE-2P in 145.2.4 and timing o say to only go into the class	n signature. Pola I specifications s sification voltage	rity shall be the same hall be as defined in a range after detection	
Append after qu "The class sign		gnature to re		Class of the PD. See	13V wi Is it Of says ye	thout valid detect (to apply VClass es).	ature on a pairset. This sente tion ? (answer: no, this sente s without a current limit witho pred on page 142, line 11.	ence says yes).		
ACCEPT.					Second sentence: covered on p 142, line 13 (polarity) and timing is covered in the various paragraphs that deal with that.					
					"The P	ce quoted text by SE shall not exc	: eed a voltage of V_valid ma: ure on that pairset."	x on a pairset un	less the PSE has	
					Response ACCEI	PT IN PRINCIPL	Response Status C E.			
					line 42		r classification occurs before er classification occurs after ,"		•	

Delete commented sentences.

C/ 145 SC 145.2.7	P 138	L 5	# 356	C/ 145 SC 145.2.7	-	L 4	# 358
Yseboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type ER	Comment Status A		PSE Class	Comment Type T	Comment Status A		Pres: Darshar
level the PSE supports this minimum power le	o a single-signature PD detern s at the PI, as defined in Equa evel is P Class-2P , defined pe	tion (145-2). Fo er pairset in Equ	r a dual-signature PD, ation (145-3)."	PSEAllocatedPower	links DLL and assigned Class i Value_mode(M). native, not Mode. One of the da		
	nformation is stated in the nex	kt paragraph an	d the one on line 26.	SuggestedRemedy			
SuggestedRemedy				Replace:			
Delete quoted text. Change on line 9:	output a PSE supports for a p	articular PD Cla	" 22		rValue_mode(M)" => "PSEAllo Mode M" => "Assigned Class f		e_Alt(X)"
by:				License to harmoniz	e remedy with darshan_xx.		
"The minimum power of	output a PSE supports for the	PD's assigned	Class,"	Response	Response Status C		
Response ACCEPT.	Response Status C			ACCEPT IN PRINCI	PLE.		
				OBE by 351			
C/ 145 SC 145.2.7 Yseboodt, Lennart	P 138 Philips	L 10	# 357	### ### ###			
Comment Type T "The minimum power of	Comment Status D output a PSE supports for a p	articular PD Cla	PSE Class	Comment 351 has th ACCEPT IN PRINCI	ne following response: PLE.		
	r supplying power in 2-pair mo			Adopt darshan_04_0	0317Rev008.pdf		
The bit about 2-pair mobels behaviour in.	ode is no longer needed => th	is was only the	re to weave legacy	C/ 145 SC 145.2.7		L 54	# 359
SuggestedRemedy				Yseboodt, Lennart	Philips		
	output a PSE supports for a p s defined by Equation (145-2).		ss, when powering a	Comment Type E Underscore after las	Comment Status A tline.		Editoria
Proposed Response	Response Status Z			SuggestedRemedy			
REJECT.				Fix.			
This comment was WI	THDRAWN by the commente	ır.		Response ACCEPT.	Response Status C		
	eded? Type 3 and 4 can still single or dual signature at all.						

	145.2.7.1	P 141	L 28	# 360	Cl 145 Yseboodt,		145.2.8	P 144 Philips	L 36
Yseboodt, Lenna	π	Philips			r seboodt,	Lennar	τ	Philips	
Comment Type	TR	Comment Status A		PSE Class	Comment	Гуре	TR	Comment Status D	
CLASS_EV1 CLASS_EV1	LCE_PR _LCE_4PII	n for PSEs in the state CLAS RI, CLASS_EV1_LCE_SEC, D_SEC shall be T LCE ."	CLASS_EV1_L	CE_4PID_PRI, or	The va We sh	lues of ould ro	ICon-2P- und them	ce work now seems to have -unb are the result of simula to more convenient values ore unbalance margin.	ation and curve fittir
Unlike simila apply VClass		ns for T_CLE2 and TCLE3, t	his one doesn't	specify we need to	Suggestea	Remed	ly		
SuggestedReme							5 values (0.55 to 0	(Icon-2P-unb) as follows:	
Change to:							0.682 to 0		
		e state CLASS_EV1_LCE, C					0.781 to (
		LCE_SEC, CLASS_EV1_L D_SEC, it shall provide to the					0.932 to (
T_CLE timine					Proposed REJEC	,	ISE	Response Status Z	
Change "the page, line 2)		to "it shall" on line 43, 50, a	nd 53 (and once	more on the next	This co	ommen	t was WI	THDRAWN by the commen	ter.
Response		Response Status C			C/ 145	SC	145.2.8	P 144	L 36
ACCEPT.					Yseboodt,	Lennar	t	Philips	
C/ 145 SC	145.2.7.1	P 142	L 25	# 361	Comment	Гуре	TR	Comment Status D	
Yseboodt, Lenna	rt	Philips				/		ce work now seems to have	
Comment Type	Е	Comment Status A		Editorial				are the result of simulation to more convenient values	0
		er the CLASS_RESET_PRI		ET_SEC"	Suggested	Remea	ly		-
		e two underscores after the p	Derioa.					(ILIM-2P) as follows:	
SuggestedReme	•						0.562 to (0.702 to (
Remove und	erscores.						0.702 to 0 0.829 to 0		
Response		Response Status C			Class	B from (0.99 to 0	.99	
ACCEPT.					Proposed	Respon	se	Response Status Z	
					REJE	CT.			
					This co	ommen	t was WI	THDRAWN by the commen	iter.
								-	

Comment ID 363

362

363

Pres: Darshan10

Pres: Darshan10

C/ 145 SC 145.2.8 Yseboodt, Lennart	P 145 Philips	L 45	# 364	Cl 145 SC 145.2.8. Yseboodt, Lennart	5 P 148 Philips	L 46	# 367
Unlike Class 1-4, Class	<i>Comment Status</i> A 145-16 are listed per Class 5 is a different thing for sing		PSE Power	Comment Type E "The PSE shall suppo (145.2.8.5.1), on each	Comment Status A rt the AC current waveform pa " uation but to paragraph.	arameter IPeak-2	<i>Editori</i> P, defined in Equation
and add a row at the bo Response ACCEPT.	5, change "Class 5" to "Sing ttom for "Dual-signature PD, <i>Response Status</i> C le as was done for item 7.			SuggestedRemedy Change to:	rt the AC current waveform pa	arameter IPeak-2	P, defined in Equation
C/ 145 SC 145.2.8 Yseboodt, Lennart	P 146 Philips	L 19	# 365	C/ 145 SC 145.2.8. Yseboodt, Lennart	5.1 <i>P</i> 150 Philips	L 23	# 368
	sure shall be used througho s, millimeters with centimete n V			Comment Type E Subclause 145.2.8.5. 145.2.8. SuggestedRemedy Bump 145.2.8.5.1 one Proposed Response REJECT.	Comment Status D I does not belong under 145.2 e level up (H4). Response Status Z	2.8.5, it should be	Editori a subclause under
Response ACCEPT.	Response Status C			This comment was W	ITHDRAWN by the commente	er.	
C/ 145 SC 145.2.8.2 Yseboodt, Lennart	P 147 Philips	L 21	# 366				
Comment Type E "power on state" should SuggestedRemedy Per comment.	Comment Status D be "POWER_ON state".		Editorial				

This comment was WITHDRAWN by the commenter.

Cl 145 SC 145.2.8.5.1 P 151 L 29 # 369 Yseboodt, Lennart Philips	C/ 145 SC 145.2.8.5.1 P 152 L 41 # 370 Yseboodt, Lennart Philips
Comment TypeERComment StatusAPres: Darshan1Table 145-17 defines Rload(min/max), RPair_PD(min/max) and RCh_unb(min/max).Rload is then redefined one page later in Eq 145-16 and 145-17.	Comment Type ER Comment Status A Editorial Figure 145-22 is titled "PSE PI unbalance specification and E2EP2PRunb" Editorial
Rload = RCH_unb + RPair_PD. This results in Table 145-17 to be very cramped horizontally. SuggestedRemedy - Remove the Rload_min/max columns from Table 145-17 - Change reference from Table 145-17 to Equation 145-16 and 145-17 on: * p151, l24 * p151, l49 - Delete the first sentence on p152, l5 - Move the definitions of RPair_PD and RCh_unb to a proper "where" clause below Equations 145-16 and 145-17.	This impossible abbreviation SuggestedRemedy Replace by "PSE PI unbalance specification and system resistance unbalance" Also remove the two occurences of this abbreviation in Annex 145A and replace by remedy text. Response Response Status C ACCEPT IN PRINCIPLE. ALSO TDL (Yair): check correct usage of these terms and provide new definition(s)
Response Response Status C ACCEPT IN PRINCIPLE.	C/ 145 SC 145.2.8.5.1 P 152 L 45 # 371 Yseboodt, Lennart Philips
OBE by 111 ### ### Comment 111 has the following response: ACCEPT IN PRINCIPLE. adopt darshan_01_0317Rev008.pdf	Comment Type ER Comment Status A Unbalance In the evaluation method, twice a reference is made to Rload, which is undefined. SuggestedRemedy Change a) and f) as follows: "a) Use R load_min and R load_max from Table 145-17 for low channel resistance conditions." "f) Repeat steps b) through e) for R load_min and R load_max from Table 145-17 for high channel resistance conditions."
	Response Response Status W ACCEPT.

C/ 145 SC 145 Yseboodt, Lennart	.2.8.11 <i>P</i> 157 Philips	L 21	# 372	C/ 145 Yseboodt,	SC 145.3.1 Lennart	P 160 Philips	L 27	# 374
Comment Type E	•		Pres: Stewart1	Comment		Comment Status A		PD Type
See 145.2.8.11				"Singl	e-signature PDs	with a power demand lower Mode A column and the PD		s 4 power shall be able
	n on "Continuous output pow with P_Con, a parameter we			What pair m		ng to say is that a Class 4 or	less PD must be	capable to operate in 2-
	efines PClass, already covere efines PClass-2P, see page 1			Suggested	dRemedy			
Paragraph 3: we	need to keep this ady covered in 145.2.8.8			as we	ll as 4-pair mode	that request Class 4 or less e, per the PD Mode A colum		
SuggestedRemedy					145-18."	Deserves Status		
 Move paragraph Delete 145.2.8. 				Response ACCE	PT IN PRINCIP	Response Status C LE.		
Response ACCEPT IN PRII	Response Status C					that request Class 4 or less lode A, PD Mode B, or both		
- Move paragrapl - Delete 145.2.8.	n 3 to 145.2.7 (editor to find p 11	oper place).		C/ 145 Yseboodt,	SC 145.3.1 Lennart	P 160 Philips	L 35	# 375
This comment re	solves comments: 31, 154			Comment	Type TR	Comment Status A		PD Type
C/ 145 SC 145		L 20	# 373		PD shall withstai anent damage."	nd any voltage from 0 V to 5	7 V at the PI inde	finitely without
Yseboodt, Lennart Comment Type E	Philips Comment Status		Editorial	OK. L	et`s all take a de	ep breath and focus on pos	itive energy in the	e room.
145.3.1 "PD PI" ເ	ises the term "single-signatur vithout any introduction.	e" and "dual-signatu		Since		ause now, it only applies to	Type 3 and Type 4	4, which gives us a bit
SuggestedRemedy					freedom to fix it.	should not imply anything a	bout surviving inv	alid/weird input voltage
Swap the order o structure.	f 145.3.2 and 145.3.1 to solve	e this. This also bring	is it in line with the PSE	combi	nations, so I wo		-	
Response ACCEPT.	Response Status C			which	no PD can ever	requiring the PD to survive survive. avalidates the entire required		r (over a transformer),
				Suggested	dRemedy			
				"The F		nd any voltage from 0V to 57 itely without permanent dan		e A, Mode B, and both
				Response		Response Status C		
				ACCE	PT.			
					omment resolve	s comment: 204		
		00/ · · ·						

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 375

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Table 145-19 shows the permissible PD Types. Table 145-19 shows the permissible PD Types. Due to Clause-split, several columns have lost their significance. Note: work is planned to introduce either an Annex, or a subclause in the beginning of the document that shows an overview of ALL PSE's and PDs. This table however should only focus on Type 3 & 4. Suggested/Remedy Remove columns for "4-pair", "MPS" and Physical Layer Classification Response Response Response Status C ACCEPT IN PRINCIPLE. ALSO, Add TDL (Lennart): introduce either an Annex, or a subclause in the beginning of the document that shows an overview of ALL PSE's and PDs. Cl 145 SC 145.3.2 P 161 L 28 # 377 Yseboodt, Lennart Philips Comment Status A PD Types Comment Status A Pres: Yseboodt; 802.3 do not work for our state machines. Collass 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." ''''''''''''''''''''''''''''''''''''	Cl 145 SC Yseboodt, Lenna	145.3.2 art	P 161 Philips	L 11	# 376	C/ 145 SC 145.3 Yseboodt, Lennart	.3.4 <i>P</i> 163 Philips	L 30	# 378
document that shows an overview of ALL PSEs and PDs. Also fix for same variable in dual-sig. This table however should only focus on Type 3 & 4. Suggested/Remedy Remove columns for "4-pair", "MPS" and Physical Layer Classification Response Response Status C ACCEPT IN PRINCIPLE. ALSO, Add TDL (Lennart): introduce either an Annex, or a subclause in the beginning of the document that shows an overview of ALL PSEs and PDs. Cl 145 SC 145.3.2 P 161 L 28 # [377] Yseboodt, Lennart Philips Comment Type T Comment Status A Pres: Yseboodt; a dor our state machines. Cl 145 SC 145.3.2 P 161 L 28 # [377] Yseboodt, Lennart Philips Comment Type E Comment Status A PD Types 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Status C Suggested/Remedy ''Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Status C ''Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Status C ''Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." <td< td=""><td>Table 145-19</td><td>9 shows the</td><td>permissible PD Types.</td><td>significance.</td><td>Editorial</td><td>"A control variable i</td><td></td><td>e PD may draw fi</td><td><i>Editoria</i> rom the PSE."</td></td<>	Table 145-19	9 shows the	permissible PD Types.	significance.	Editorial	"A control variable i		e PD may draw fi	<i>Editoria</i> rom the PSE."
This table however should only focus on Type 3 & 4. SuggestedRemedy Remove columns for "4-pair", "MPS" and Physical Layer Classification Response Response Status C ACCEPT IN PRINCIPLE. ALSO, Add TDL (Lennart): introduce either an Annex, or a subclause in the beginning of the document that shows an overview of ALL PSEs and PDs. Cl 145 SC 145.3.2 P 161 L 28 # [377] Yseboodt, Lennart Philips Comment Type T Comment Status A Pres: Yseboodt. Comment Type E Comment Status A PD Types There are 14 occurances of (default) in the draft. SuggestedRemedy "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." '' a minimum of is bizarre and stems from old text. SuggestedRemedy "' a minimum of utiple-Event Physical Layer Classification and request Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." C "Response Response Status C	document th This allows t	at shows an he reader to	n overview of ALL PSEs and o have an overview.	PDs.	n the beginning of the	Also fix for same va	riable in dual-sig.	hat the PD may c	Iraw from the PSE."
Response Response Status C ACCEPT IN PRINCIPLE. ALSO, Add TDL (Lennart): introduce either an Annex, or a subclause in the beginning of the document that shows an overview of ALL PSEs and PDs. Yseboodt, Lennart Pres: Yseboodt. C/I 145 SC 145.3.2 P161 L 28 # 377 Yseboodt, Lennart Philips Comment Status A Pres: Yseboodt. Comment Type E Comment Status A PD Types "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." C Response Response Status C SuggestedRemedy "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Status C Response Response Status C			uld only focus on Type 3 & 4			,			
ACCEPT IN PRINCIPLE. ALSO, Add TDL (Lennart): introduce either an Annex, or a subclause in the beginning of the document that shows an overview of ALL PSEs and PDs. C/ 145 SC 145.3.2 P 161 L 28 # <u>377</u> Yseboot, Lennart Philips Comment Type E Comment Status A PD Types "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Response Status C	Remove col	umns for "4	pair", "MPS" and Physical L	ayer Classificati	on	C/ 145 SC 145.3	.3.4 P 163	L 51	# 379
ALSO, Add TDL (Lennart): introduce either an Annex, or a subclause in the beginning of the document that shows an overview of ALL PSEs and PDs. Cl 145 SC 145.3.2 P 161 L 28 # 377 Yseboodt, Lennart Philips Comment Type E Comment Status A PD Types "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Response Status C	Response		Response Status C			Yseboodt, Lennart	Philips		
ALSO, Add TDL (Lennart): introduce either an Annex, or a subclause in the beginning of the document that shows an overview of ALL PSEs and PDs. Cl 145 SC 145.3.2 P 161 L 28 # 377 Yseboodt, Lennart Philips Comment Type E Comment Status A PD Types "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." SuggestedRemedy "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Response Status C	ACCEPT IN	PRINCIPLI	Ξ.			Comment Type T	Comment Status A		Pres: Yseboodt7
Cl 145 SC 145.3.2 P161 L 28 # [377] Yseboodt, Lennart Philips Comment Type E Comment Status A PD Types "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Response Status C "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement and stems from old text. ACCEPT. C SuggestedRemedy "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." ACCEPT. "Response Response Status C					se in the beginning of			y on (default) as	the rules on (default) in
Yseboodt, Lenart Philips SuggestedRemedy Comment Type E Comment Status A PD Types "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." C Response Status C SuggestedRemedy "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." C ACCEPT. Response Response Status C	C/ 145 SC	145.3.2	P 161	L 28	# 377	There are 14 c	occurances of (default) in the dra	aft.	
Comment Type E Comment Status A PD Types "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Response Status C 'a minimum of' is bizarre and stems from old text. SuggestedRemedy * Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Status C	Yseboodt, Lenna	art	Philips						
"Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement a minimum of Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." 'a minimum of' is bizarre and stems from old text. SuggestedRemedy "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Status C	Comment Type	Е	Comment Status A		PD Types	Adopt yseboodt_07	_0315_killdefault.pdf		
SuggestedRemedy "Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Response Status C	"Type 3 sing Class 3 or le	le-signature ss impleme	ent a minimum of Multiple-Ev		w corresponding to		Response Status C		
"Type 3 single-signature PDs operating up to a maximum power draw corresponding to Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Response Status C	'a minimum	of' is bizarre	e and stems from old text.						
Class 3 or less implement Multiple-Event Physical Layer Classification and request Class 1, 2, or 3." Response Response Status C	SuggestedReme	edy							
	Class 3 or le								
ACCEPT IN PRINCIPLE.			Response Status C						
	Response		_						

145 SC 145.3.3.4 P 164 L 12 # 380	C/ 145 SC 145.3.3.7 P 167 L 4 # 381
seboodt, Lennart Philips	Yseboodt, Lennart Philips
omment Type ER Comment Status A PD S	
The variables present_class_sig_[0,A,B] are poorly and generically described in the TRUE/FALSE definitions.	There is a TDL to get rid of BEGIN, since its meaning is ambiguous. For the PD this statement was there to provide correct behaviour when "starting under voltage".
uggestedRemedy	SuggestedRemedy
Change as follows: present_class_sig_0:	Any solution I can think of is way worse that not handling this particular case. One can also reason that a voltage is never instantaneously at a certain value.
FALSE: Class signature 0 is not to be applied to the PI.	Remove BEGIN arc into OFFLINE, do the same for dual-sig.
TRUE: Class signature 0 is to be applied to the PI	Response Response Status C
present_class_sig_A:	ACCEPT.
 FALSE: The class signature corresponding with class_sig_A is not to be applied to	This comment resolves comment: 137
the PI TRUE: The class signature corresponding with class_sig_A is to be applied to	CI 145 SC 145.3.3.7 P 167 L 54 # 382
the PI	Yseboodt, Lennart Philips
present_class_sig_B:	Comment Type ER Comment Status A Editor
 FALSE: The class signature corresponding with class_sig_B is not to be applied to	The Figure numbering of F 145-27 is incorrect, it belongs with F 145-26.
the PI	SuggestedRemedy Make 145-27 => 145-26.
TRUE: The class signature corresponding with class_sig_B is to be applied to the PI	Idem for 145-27 => 145-26. Idem for 145-30 => 145-29.
esponse Response Status C	Response Response Status W
ACCEPT IN PRINCIPLE.	ACCEPT.
ALSO, apply change to DS PD SD.	C/ 145 SC 145.3.3.7 P 168 L 32 # 383
	Yseboodt, Lennart Philips
	Comment Type TR Comment Status A PD
	There is a multi-true possible out of POWER_DELAY.
	SuggestedRemedy
	Change arc from POWER_DELAY to POWERED to read "tpowerdly_timer_done * (VPD >= Voff_PD)"
	Response Response Status W
	ACCEPT.

C/ 145 SC 145.3.3.7 P 168 L 41 C/ 145 P 169 L 2 # 384 SC 145.3.3.7 # 387 Yseboodt, Lennart Philips Yseboodt, Lennart Philips Comment Type **T** Comment Status A PD SD Comment Type T Comment Status A PD SD Variable "pd reg pwr" does not exist for a PD. "pd reg class" does. In statement (VPD<VReset) variable VReset does not excist. VReset PD does. SuggestedRemedy SuggestedRemedy Change all occurances of "pd_req_pwr" to "pd_req_class" in Figure 145-27. Change VReset to VReset_PD. Response Response Status C Response Response Status C ACCEPT. ACCEPT. C/ 145 C/ 145 SC 145.3.3.7 P 168 L 42 # 385 SC 145.3.3.7 P 169 L 12 # 388 Yseboodt, Lennart Philips Yseboodt. Lennart Philips Comment Type **TR** Comment Status A PD SD Comment Type **T** Comment Status A PD SD Global entry part to IDLE ACS (VPD < VReset PD) statement is not correct, should be The DLL enable state can far more compactly be folded into POWERED with an IF statement. (VPD < VOff PD). This also simplifies further logic. SuagestedRemedv SuggestedRemedy - Delete DLL_ENABLE and all in and out going connections - Add the following to the POWERED state: - Change entry into IDLE ACS to: "(V PD < V Off PD) + pd reset + !mdi power required" "IF (pd reg pwr>3 + pd dll capable) THEN - Remove "VPD > VPort_PD-2P" (2x) in Figure 145-28 pd dll enabled <= TRUE Response Response Status C END" ACCEPT. Response Response Status W ACCEPT. C/ 145 SC 145.3.3.12 P 173 L 8 # 389 Yseboodt, Lennart Philips C/ 145 SC 145.3.3.7 P 168 L 47 # 386 Comment Status A Pres: Darshan4 Comment Type T Yseboodt, Lennart Philips Variable "pd dll enable" does not exist, "pd dll enabled" does. Comment Type T Comment Status A PD SD SuggestedRemedy Arc from POWERED to POWER UPDATE: "pd power update * pd dll enabled * V PD > V Off PD". Change variable name "pd_dll_enable" to "pd_dll_enabled", two occurances on this line. SuggestedRemedy Response Response Status C Comparison should include VoffPD. ACCEPT IN PRINCIPLE. Replace by: "pd power update * pd dll enabled * V PD >= V Off PD" OBE by 351 Response Response Status C ACCEPT IN PRINCIPLE. ### ### ### Change arc from powered to no power to VPD <= Voff PD Comment 351 has the following response: ACCEPT IN PRINCIPLE. Put paranthesis around comparison in powered to power_update state. Adopt darshan 04 0317Rev008.pdf

IEEE 802.3bt D2.3 4-Pair PoE 3rd Working Group recirculation ballot comments

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

C/ 145 SC 145.3.3.12 P 174 L 30 # 390 Yseboodt, Lennart Philips	C/ 145 SC 145.3.4 P 175 L 5 # 391 Yseboodt, Lennart Philips
Comment Type T Comment Status A PD SD Figure 145-30, dual-sig PD SD. DLL is mandatory for dual-sig PDs. Hence the DLL ENABLE state can be removed.	Comment Type TR Comment Status A 4PID "A PD may indicate the ability to accept power on both pairsets using TLV variable PD 4PID in Table 79-6b or by presenting a valid detection signature on the unpowered pairset,
Hence the DLL_ENABLE state can be removed. SuggestedRemedy - Add "dll_enabled <= TRUE" to either to MDI_POWER1 state or to the POWERED state (depending on accepting a comment from Yair to harmonize single/dual SDs).	All Type 3/4 PDs have the ability to accept power on both pairsets. Dual-sigs are required to show a valid detection signature on the unpowered pairset. This statement is redundant for Type 3/4 and seems to belong in Clause 33. SuggestedRemedy Option 1: remove it Option 2: move to 33.3.4 TFTD. Response Response Status C ACCEPT IN PRINCIPLE. OBE by 421 ### ### ### Comment 421 has the following response:
	ACCEPT. Cl 145 SC 145.3.5 P 176 L 34 # 392 Yseboodt, Lennart Philips Comment Type ER Comment Status A Editoriau Why do we have such a weird way to explain the signature requirement of a dual-sig PD ? "A dual-signature PD shall present a valid detection signature, as defined in Table 145-20, on: Mode A, regardless of any voltage applied to Mode B between 0V and 57V, and Mode B, regardless of any voltage applied to Mode A between 0V and 57V." SuggestedRemedy - Replace by: "A dual-signature PD shall present a valid detection signature, as defined in Table 145-20, on a given Mode, regardless of any voltage between 0 V and 57 V applied to the other
	Mode. This requirement applies to both Mode A and Mode B." - Also add the "as defined in Table 145-20" to the single-signature para above. <i>Response Response Status</i> C ACCEPT.

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

C/ 145 SC 145.	3.6 <i>P</i>	[,] 176	L 41	# 393	C/ 145	SC ·	145.3.7	P 181	L 20	# 395			
Yseboodt, Lennart	Phil	lips			Yseboodt,	Lennar	t	Philips					
The combination of hstewart_01_0117	mment Type TR Comment Status A Pres: Yseboodt3 The combination of the large changes in hstewart_01_0117_33_3_6_PD_Class_opt2_markup_rev2.pdf combined with changes introduced to the Clause split requires some cleanup in this section. Pres: Yseboodt3						Comment Type TR Comment Status A PD Cla "PDs may determine the Type of the PSE they are connected to by measuring the duration of the first class event. Such a PD may set long_class_event to TRUE if the first class event is longer than T LCE_PD min and shall set long_class_event to TRUE if the first						
SuggestedRemedy Adopt yseboodt_0	3_0317_pdclassification	n.pdf			FALSE	E, which	indicates	an T LCE_PD max. The defa the PSE is a Type 1 or Type s a Type 3 or Type 4 PSE."					
Response ACCEPT.	Response Statu	s C						f the notion of default values atch state diagram.					
This comment res	olves comments: 37, 84	4, 97, 103,	156, 177, 178, 2	207, 224	Suggestea	Remed	'y						
C/ 145 SC 145. Yseboodt, Lennart Comment Type T	3.6.1 P Phil Comment Statu	•	L 19	# <u>394</u> PD Class	"If long_class_event is FALSE, this indicates the PSE is a Type 1 or Type - Add "long_class_event <= FALSE" to the DO_DETECTION state in Figure								
	g Autoclass shall prese NT_AUTO as defined in				Response	-	RINCIPL	Response Status C E.					
Unlike class_sig_/	A, 'class_sig_0' is undef	ined.			ALSO.								
SuggestedRemedy					ALOO,								
	Replace by: "PDs implementing Autoclass shall present class signature 0, as defined in Table 145-23, during DO_CLASS_EVENT_AUTO as defined in 145.3.6.2." Response Response Status C ACCEPT IN PRINCIPLE.						1. Clause 145, subclause 145.3.3.6, page 165, line 47: Change the first sentence of the definition of the function "do_class_timing" from "This function is used to evaluate the						
Response ACCEPT IN PRIN							Type of PSE connected to the PI by measuring the length of the first class event." to "This function is used to evaluate the Type of PSE connected to the PI by measuring the length of the first class event. PDs that do not measure the length of the first class event return FALSE."						
	implementing Autoclass ing DO_CLASS_EVEN				2. value I Type 2	Clause FALSE 2 PSE."	for the va to "The P	clause 145.3.3.6, page 166, l riable "long_class_event" fro 'SE is identified as a Type 1 the first class event."	m "The PSE is i	identified as a Type 1 or			

Cl 145 SC 145.3.8 Yseboodt, Lennart	P 182 Philips	<i>L</i> 1	# 396	C/ 30 Yseboodt,	SC 30.9.1.1 . Lennart	9 P 33 Philips	L 36	# 398
Comment TypeTRCoEditing mistake: in implement Table 145-28. Comment #451 has this in the PPort_PD is needed, becausComment #451 has this in the PPort_PD is needed, becausSuggestedRemedy Re-instate PPort_PD and PPResponseRes Res ACCEPT.This comment resolves comment C/ 30SC 33.9.1.1.7	mment Status A titing comment #451 ag. e suggested remedy, b se right now there is no Port_PD-2P as they wer sponse Status W ment: 88	out the response power limit requ	didn't.	Comment aPSE 33-13) We`re state o one. Suggested Since state o - Char "This o Figure ERRC	<i>Type</i> T OverLoadCounted enters the stated still fixing probled diagram, but did <i>dRemedy</i> the distinction b diagrams, propo- nge text of 30.9. counter is increme 145-15, and 14 DR_DELAY_SEC	Comment Status A er: This counter is increment e ERROR_DELAY_OVER. ems inherited from 802.3at. exist in 802.3af. The .at pro- etween SHORT and OVER se to: 1.1.9 aPSEOverLoadCounter nented when the PSE state 5-16) enters the state ERR	This state doesn`t oject forgot to upda LOAD cannot be m er to read: diagram (Figure 33	exist in 802.3at PSE te Clause 30 for this nade by the current 3-13, Figure 145-13,
Yseboodt, Lennart	Philips			Response		Response Status C		
Comment Type T Co aPSEInvalidSignatureCounter (Figure 33-13) enters the state The new state diagram does SuggestedRemedy Option 1: Change text to read "This counter is incremented 13) enters the state SIGNATI Type 4 PSEs". Option 2: It gets complicated invalid detection. Add TDL fo	te SIGNATURE_INVAL not support this as it d d: when the Type 1 and T URE_INVALID. This co to handle all the edge	LD. oesn't have this Type 2 PSE state ounter is not defin cases where one	state. e diagram (Figure 33- ned for Type 3 and	ACCE - Char "This o and 14 ERRC - Dele	PT IN PRINCIP nge text of 30.9. counter is increm 45-16) enters the PR_DELAY_SEC te 30.9.1.1.10 al	LE. 1.1.9 aPSEOverLoadCount nented when the PSE state e state ERROR_DELAY, EF	diagram (Figure 14 RROR_DELAY_PR	l, or
Response Res	sponse Status C							

ACCEPT IN PRINCIPLE.

Implement suggested remedy, option 1.

CI 30		30.12.2.1	P 40	L 32	# 399	CI 30		30.12.3.1	.9	P 49	L 31	# 401
Ysebood	t, Lenna	rt	Philips			Wendt, Ma	atthias			Philips Lighti	ng	
Commen	t Type	ER	Comment Status A		Pres: Darshan3	Comment	Туре	ER	Comme	ent Status A		Editoria
			de_Alt_shared er allocation Clause 30 obje	ects we used the r	ames	attribu	ite (see	30.9.1.1.		iven port "	ue derived from th	ne aPSEPowerPairs
			estedPowerValueModeA, catedPowerValueAlternativ	eA an so forth		Suggestee						
			used ModeA/ModeB at the					attribute		value derived fror	m the aPSEPowe	erPairs attribute (see
Probl	lem is th	hat these va	ariables are defined both fo	r the PSE and the	PD.	Response	,	Ū	Respon	se Status W		
			ontext, "Mode" makes no se	ense and vica vers	a for the PD.	ACCE	PT.					
Suggeste		•										
			OBE to darshan_03, they Iternative" from Clause 30			C/ 33A		33A		P 255	<i>L</i> 1	# 402
throu	gh .18d	and the sa	me in the remote section.	,	100.12.2.1.100	Yseboodt,				Philips		
Also	update i	naming to	reflect this throughout the d	Iraft.		Comment		ER		ent Status A		Editoria
Respons			Response Status C			The N	EW ma	aterial into	Annex 33	A is about unbala	nce on the PD sid	de.
	EPT IN	PRINCIPLI	Ξ.							e "unbalance" ann nd the PD.	ex, so we can lea	ave 33A alone.
ODL	59 122					Suggestee	dReme	dy				
Com		2 has the f	ollowing response: E.			- Take insert	e the ex then u	tisting sub	clauses (14	PSE Unbalance".		n down to 3rd level and
adop	t darsha	an_03_031 ⁻	7Rev007F.pdf with editorial	license to clean u	ıp.	- Copy - Take	/ 33A.3 Anne>	and 33A.	4 into a ne of the draft	w 145A.1 (and .2) , thereby discardi) (common to bot ng all the change	h PSE and PD) s we did to it in 802.3bt.
C/ 30 Wendt, M		30.12.3.1.	8 P 49 Philips Light	L 14 ing	# 400	Response ACCE		PRINCIPL		se Status C		
Commen	t Type	ER	Comment Status A		Editorial	ALSO	, editio	r given lice	ense.			
aPSE	EPowerF	PairsContro	this attribute contains the v DAbility attribute (see 30.9. DAbility is in to 30.9.1.1.3		n port "	This c	ommei	nt resolves	comment	s: 215, 418, 419		
Suggeste	dReme	dy	-									
For a	PD this	attribute c	ontains the value of the aP given port	SEPowerPairsCo	ntrolAbility attribute							
Response	е		Response Status W									
	EPT.		-									

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 79.3.2.5	P 67	L 16	# 403	CI 79	SC 79.3.2.6	ib	P 68	L 46	# 405	
Yseboodt, Lennart	Philips			Wendt, Mat	tthias		Philips Lightii	ng		
Comment Type TR Comm	nent Status D		Pres: Yseboodt1	Comment T	Гуре Е	Comment S	Status A		Pres: Darshan	
"For Type 3 and Type 4 devices PD requested power value Mode	e B)."	, i		of "		SE allocated po wrong, should			e 79.3.2.5 is the sum	
This construct, which is repeated allocated power fields, is probler		ia mode B fields, a	as well as in the PSE	SuggestedF	-	C h. Tabla 70 (_			
SuggestedRemedy						.5 by Table 79-6 boodt_01_0317				
Adopt yseboodt_01_0317_lldp1	fix.pdf			Response		Response S	Status C			
Proposed Response Respon REJECT.	nse Status Z			ACCEP	PT IN PRINCIP	YLE.				
This comment was WITHDRAW	/N by the comment	ter.		OBE by	/ 161					
Cl 79 SC 79.3.2.6a	P 68	L 23	# 404	### ###	# ###					
Wendt, Matthias	P 66 Philips Lighti		# 404	Comment 161 has the following response: ACCEPT IN PRINCIPLE.						
Comment Type E Comn	nent Status A		Pres: Darshan8	, looel						
original text: " the PD request The table reference is wrong, sh			2.5 is the sum"	· · · ·				nse to fix gramm		
SuggestedRemedy				CI 79	SC 79.3.2.6	id.1	P 70	L 44	# 406	
Replace Table 79.3.2.5 by Table Probably OBE by yseboodt_01_				Yseboodt, L Comment T		Comment S	Philips S <i>tatus</i> A		LLDi	
	nse Status C						a allows a Typ	e 3/4 PD to ident	ify itself as a Class 0	
ACCEPT IN PRINCIPLE.	•			Freeing				cate that the PD	is a dual-signature	
OBE by 161				SuggestedF			145.			
### ### ###				Change	e field Power C	classx as follow: comes "Dual-sig				
Comment 161 has the following	response:			Bit com	nbo "1111" bec	omes Reserved	l/Ignore			
ACCEPT IN PRINCIPLE.				Response		Response S	Status C			
adopt darshan_08_0317_final.pd	df with editorial lice	ense to fix gramm	ar.	ACCEP	PT IN PRINCIE	ΥLE.				
				For Pov	wer ClassX Mo	ode A(and B) fie	lds:			
				Change	e 000 to Reser			00.00		

C/79 SC 79.3.8.1 P74 L1 # 407	C/FM SCFM P1 L1 # 409
seboodt, Lennart Philips	Yseboodt, Lennart Philips
Comment Type TR Comment Status A LLDP	Comment Type E Comment Status A H
"V Port_PD-2P expressed in units of 1 mV Valid values for these bits are 1 through 65000 a"	The title for our P802.3bt amendment is: "Draft Standard for Ethernet Amendment: Physical Layer and Management Parameters for DTE Power via MDI over 4-Pair"
TDL: Clarify the meaning of the voltage field when measurement source = "Port total".	SuggestedRemedy
The only sensible meaning for this combination is the max() of the voltage of both pairsets.	Depending on the outcome of the previous comment, propose to change this to: "Draft Standard for Ethernet Amendment: Power over Ethernet over 4-pair".
Suggested Remedy	Response Response Status C
Append after "1mV" the following: "When the Measurement source is set to 'Port total' this field contains the measurement of the pairset with the highest voltage".	ACCEPT IN PRINCIPLE.
Response Response Status W ACCEPT.	Change this to: "Draft Standard for Ethernet Amendment: Power over Ethernet over 4 Pairs".
	C/FM SC FM P12 L22 # 410
C/FM SC FM P1 L1 # 408	Wendt, Matthias Philips Lighting
seboodt, Lennart Philips	Comment Type ER Comment Status A
Comment Type ER Comment Status A FM	original text: "This amendment includes changes to IEEE Std 802.3-2015 and replaces
As you may have noticed I have titled our new Clause 145 "Power over Ethernet". Note: I have intentionally labelled this comment "FM" to keep it together with the next	Clause 33." No it doesn`t.
comment, even though it really is a page 87.	SuggestedRemedy
aggestedRemedy	Replace by:
TF to confirm they are happy with the title by accepting this comment.	This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 145, Annex 145A, and Annex 145B.
Response Response Status C	Response Response Status W
ACCEPT IN PRINCIPLE.	ACCEPT.
The title is good. No changes to draft.	

C/ 33A,1 SC 33A,1 Zimmerman, George	P 255 L 30 CME Consulting/Aqua	# 411	C/ 33A SC 33A.1 Zimmerman, George	P 255 CME Consulti	L 38 ng/Aqua	# 413
Comment Type ER Co "as defined in Table 33-12" - should be Table 33-11, accor numerous stylistic edits wher a maintenance request, and draft, but in a new annex. SuggestedRemedy Revert annex 33A to 802.3-2 Commenter volunteers to com	omment Status A several issues - should be an exter rding to IEEE Std. 802.3-2015. An n it should just be what was in 802.3 some may be, I haven't checked, th 015 except where justified by main ordinate maintenance requests for o	anex 33A contains 3-2015. Unless justified by hese should not be in the tenance requests. defects related to annex	Comment Type ER Table 33-17 should b defined in 802.3-201 SuggestedRemedy Change reference to Proposed Response REJECT.	Comment Status D be marked external and is the w 5 (should be 33-11) external and make it Table 33- <i>Response Status</i> Z	rong reference f	Pres: Darshans
guidelines" (line 41). [Note - a this is accepted and can be o resolution]	pliance to the above requirements" all my other comments on Annex 33 considered withdrawn, if I am not pr sponse Status W	3A.1 and 33A.2 are OBE if	CI 33A SC 33A.1 Zimmerman, George Comment Type ER	VITHDRAWN by the commente P 255 CME Consulti Comment Status D re should be 33-11, and marked	L 42 ng/Aqua	# 414 Pres: Darshant
C/ 33A SC 33A.1 Zimmerman, George Comment Type ER Co	erted to 2015. No changes to the d P 255 L 31 CME Consulting/Aqua mment Status D e 33 (none of the dash 2P variables	# 412 Pres: Darshan5	SuggestedRemedy See comment Proposed Response REJECT. This comment was V	<i>Response Status</i> Z VITHDRAWN by the commente	ır.	
0	ect proper values referenced in Clau sponse Status Z AWN by the commenter.	ise 33	element and one app elements. SuggestedRemedy	P 256 CME Consulti Comment Status D figure 33A-1. there are two Zo bears to be an impedance lookin _emi on the one indicated as a Response Status Z	_emi's indicated	

C/ 33A SC 33A.2 P 256 L 41 # 416 C/ 33A SC 33A.3 P 257 L 1 # 418 Zimmerman, George CME Consulting/Agua Zimmerman, George CME Consulting/Agua Comment Type ER Comment Status D Pres: Darshan5 Comment Type ER Comment Status A Annex PClass PD is in Table 33-18. not 33-30 (there is no 33-30), and the reference should be 33A.3 is already in the text of clause 33. It applies as well to clause 145, but should be in marked external an informative annex. SuggestedRemedy SuggestedRemedy See comment Insert 33A.3 text as new informative annex 145C. (this doesn't relate to PSE PI pair-to-pair resistance/current unbalance so it doesn't fit in 145A). Proposed Response Response Status Z Response Response Status W REJECT. ACCEPT IN PRINCIPLE. This comment was WITHDRAWN by the commenter. OBE by 402 C/ 33A SC 33A.2 P 256 / 41 # 417 ### ### ### Zimmerman, George CME Consulting/Agua Comment Type T Comment Status D Comment 402 has the following remedy: Pres: Darshan5 - Retitle 145A to "Resistance and current unbalance" Comment on line 46 begs solution. Reverting to existing text does no harm, except that - Take the existing subclauses (145A.1 through 145A.3), bump them down to 3rd level and Pport isn't a variable and isn't in Table 33-18, and leaves the reader guessing. Same insert then under a new 145A.2 "PSE Unbalance". change appears needed on line 51 as well for PClass PD. See proposed resolution for - Create a new 145A.3 "PD Unbalance" best quess. - Copy 33A.3 and 33A.4 into a new 145A.1 (and .2) (common to both PSE and PD) SuggestedRemedy - Take Annex 33A out of the draft, thereby discarding all the changes we did to it in 802.3bt. Change PClass PD to Pport_PD: L41: Delete "PClass_PD as defined in Table 33-30" and replace with "max load of Poort PD = PPort PD max as defined by maximum class Comment 402 has the following response: ACCEPT IN PRINCIPLE. supported in Table 33-18". L51: Change "less than PClass PD" to "less than PPort PD max" ALSO, editior given license. Proposed Response Response Status Z REJECT.

IEEE 802.3bt D2.3 4-Pair PoE 3rd Working Group recirculation ballot comments

This comment was WITHDRAWN by the commenter.

Cl 33A SC 33A.4 Zimmerman, George	P 257 CME Consult	L 16	# 419	C/ 145 Zimmerm		145.3.4		P 175 CME Consult	L 6 ing/Agua	# 421
Comment Type TR	Comment Status A	ing// iqua	Anr		,	TR	Comment		ing// quu	4PI
51	oes not apply to clause 33 syst	ems.	,						unpowered pairs	et, when it is powered
pair-to-pair resistanc		e 145A.2, since	this relates directly to	abov and o to ac	e, in a wa contradic cept pow	ay that se tory to the er on bot	eems to make e single-sig re	it optionally con quirement above his is inappropr	ntrollable, is conf /e. All Clause 14	d dual signature PDs fusing, unnecessary, 45 PDs have the ability clause 33 because it
Response	Response Status W				,		existing requi	ement.		
ACCEPT IN PRINCI	PLE.			Suggeste			a "through a	and of contoned	e ("only one pairs	ot ")
OBE by 402					-	presentin	•		(only one pairs	et.).
•				Respons			Response	Status C		
### ### ###				ACC	EPI.					
Comment 402 has th	0,	. "		This	commen	t resolve:	s comments: 2	285, 391		
	sistance and current unbalance ubclauses (145A.1 through 145		n down to 3rd level an	d C/ 79	SC	79.3.2.60	1.2	P 70	L 49	# 422
insert then under a n	ew 145A.2 "PSE Unbalance".	<i>,,</i> ,		Zimmerm	an, Geo	rge		CME Consult	ing/Aqua	
- Create a new 145A	.3 "PD Unbalance" A.4 into a new 145A.1 (and .2)	(common to bot	h PSE and PD)	Commen		т	Comment			LLD
Comment 402 has th ACCEPT IN PRINCI		ig all the change	is we did to it in 802.3	powe is va eithe	er type is gue, "PD r as the i	PD." - th supports ntended	e text is where s (does not sup	explanation is oport) powering imultaneously"	supposed to be. in both Modes"	e 79-6b when the The table additionally can be interpreted ode may (or may not -
ALSO, editior given I				Suggeste	dRemed	ly				
Cl 145 SC 145.3.4 Zimmerman, George Comment Type TR	P 175 CME Consult Comment Status A	L 5 ing/Aqua	# <u>420</u> 4F	"indic existi	ating sup ng period	pport or la d).	ack of support			g sentence, with
	the ability to accept power on b	oth pairsets usi	ng TLV variable PD	Respons	0		Response 3			
signatures in this sec	is inappropriate for Type 3 PD tion, and is already defined in	Clause 79. All t	ype 3 PDs have the	ACC		PRINCIPL	,			
	er on 4 pairs, and this sentence PID can use the new clause 79			ALSO	D,					
SuggestedRemedy				P71	L21					
pairsets from a Claus NOTE in 33.3.1 statin specifically not allow	Append "A PD may indicate se 145 PSE using TLV variable ng: "NOTE-PDs that implement ed by this standard. PDs that s	PD 4PID, see 7 t only Mode A or imultaneously re	79.3.2.6d.2." to the Mode B are	WAS TO:	: "0 = PD "0 = PD (0 does no does not	ot support pow support power	ering of both M ring of both Mo	nend the other ca odes" des simultaneou	
Mode A and Mode B	are specifically not allowed by	this standard."		Char	ige "powe	er type" t	o "power type>	c on line 50.		
Response	Response Status C									
ACCEPT.										
VDE: TR/toobnical ragu	ired ER/editorial required GR/	apperal required	t T/technical E/editor	al G/general				Comm	ent ID 422	Page 100 of 1

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/ 145 SC 145.4	4.1.1.2 <i>P</i> 195	L 11	# 423	C/ 145	SC 145.4	P	194	L 1	# 425
Zimmerman, George	CME Cons		# 423	Zimmerma			Consultin		# 4 23
Comment Type E	Comment Status A		Editorial	Comment	Туре Е	Comment Statu	R		AE
References to clau include Clause 14	use 33 PI and PD in 14.3.1.1, 2 5 references.	5.4.6, and 40.6.1.	I need to be updated to	is adde	ed here that is	n't in clause 33.4. If p	revious cor	mment is acce	
SuggestedRemedy						T support back into cla dd the few requireme			
Include clauses 14 clause 33.	I.3.1.1, 25.4.6 and 40.6.1.1 and	d insert clause 14	5 refrerences parallel to	Suggested			no opeeme		
Response ACCEPT.	Response Status C			withdra specifi	awn. Otherwis cations contail		nd of 145. devices ap	4 opening): "T oply to clause	he Additional electrical 145 Type 3 and Type 4
C/ 33 SC 33	P 59	L 4	# 424		,	d exceptions specified			
Zimmerman, George	CME Cons	ulting/Aqua				ed for Type 1 and Typ 4.1 with "In addition to			, Type 2 requirements
Comment Type T	Comment Status A		Maintenance			(1) In a multiport syste			
	e 145 inadvertantly removed cla 02.3bt. It is not clear this was in			enviror	nment B PSE		wer shall s	switch the mor	re negative conductor. It
SuggestedRemedy Reinstate clause 3	3 changes specifically related	to 2.5G/5G/10GB/	SE-T support.	require	ments of 33.4	ooth conductors. " Re 2,The PSE PI shall w o any other wire within	ithstand wi	ithout damage	the application of short
Response	Response Status C					rent through such a s SEUT-Type3-2P, as c			10) for Type 3 PSEs
ACCEPT IN PRIN	CIPLE.								20), for Type 4 PSEs."
adopt zimmerman <u>.</u>	_3bt_01_0317.pdf			Response REJEC		Response Status	С		
				The gr	oup would like	clause 145 to stand of	on its own a	as much as po	ossible.
				C/ 145	SC 145.2.5	5.4 P	107	L 52	# 426
				Zimmerma	n, George	CM	Consultin	g/Aqua	
				Comment font pre	21	Comment Statut ef to Table 145-7, occ		08 L 11 and L2	Editoria 21 also.

SuggestedRemedy fix font

Response

Response Status C

ACCEPT.

C/ 145 SC 145.2.5.4 P 110 L 22 # 427	C/ 145 SC 145.	-	117 L 8	# 429
Zimmerman, George CME Consulting/Aqua	Zimmerman, George	CME	E Consulting/Aqua	
Comment Type E Comment Status A Editorial	Comment Type T	Comment Status	s A	PSE SI
pse avail pwr, pse avail pwr pri, and pse avail pwr sec are missing underscores between the word-fragments.	It looks like every	ALSE, valid_sig_sec<=F/ where in the state diag th ent was to reset sig_pri a	nis has been replaced b	
SuggestedRemedy	SuggestedRemedy	ioni nao to recet e.g_prix	and olg_000 00 and a	
change pse avail pwr, pse avail pwr pri, and pse avail pwr sec to pse_avail_pwr, pse_avail_pwr_pri, and pse_avail_pwr_sec.	,	<=invalid, sig_sec <=inva	alid and delete variable	s valid sig pri and
Response Response Status C		P115, L31 and L45		o tana_o.g_p.r ana
ACCEPT.	Response	Response Status	6 C	
	ACCEPT IN PRIN	CIPLE.		
C/ 145 SC 145.2.5.6 P 113 L 11 # 428 Zimmerman, George CME Consulting/Aqua CME Consulting/Aqua	Remove valid_sig IDLE block).	_pri and valid_sig_sec fr	rom clause 145 (includir	ng their instance in the
Comment Type TR Comment Status A PSE SD	,			
Is the variable P_AUTOCLASS (all caps), or P(sub)Autoclass? If it is P_AUTOCLASS, this	C/ 145 SC 145.		119 <i>L</i> 27	# 430
isn't used anywhere. Same problem exists in 145.5.3.5 on P211, L40. The editorial style is that of a value, not a variable (all caps). Suspect the desired variable is P(sub)Autoclass.	Zimmerman, George	CME	E Consulting/Aqua	
Suggested Remedy	Comment Type TR	Comment Status	s A	Pres: Stover
	"(sig_type = invali	d) +(sig_type = single) *(((sig_pri = invalid) +(sig_	_sec = invalid))
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40	+(sig_type = dual) taken when open_	*(sig_pri = invalid) *(sig_ circuits are detected. O	_sec = invalid)" This br otherwise there is no wa	anch should also be
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40 Response Response Status W	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits.	*(sig_pri = invalid) *(sig_ circuits are detected. O	_sec = invalid)" This br otherwise there is no wa	anch should also be y out of
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy	*(sig_pri = invalid) *(sig_ circuits are detected. O	_sec = invalid)" This br therwise there is no wa with one open circuit, o	anch should also be y out of r dual-sig with both open
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40 Response Response Status W	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy	*(sig_pri = invalid) *(sig_ circuits are detected. O CT_EVAL for single-sig invalid" to "sig_pri != val	_sec = invalid)" This br therwise there is no wa with one open circuit, o lid" and likewise for sig_	anch should also be y out of r dual-sig with both open
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40 Response Response Status W ACCEPT IN PRINCIPLE.	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy Change "sig_pri =	*(sig_pri = invalid) *(sig_ circuits are detected. O CT_EVAL for single-sig	_sec = invalid)" This br therwise there is no wa with one open circuit, o lid" and likewise for sig_	anch should also be y out of r dual-sig with both open
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40 Response Response Status W ACCEPT IN PRINCIPLE. OBE by 339 ### ### ### Comment 339 has the following response:	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy Change "sig_pri = Response	*(sig_pri = invalid) *(sig_ circuits are detected. O CT_EVAL for single-sig invalid" to "sig_pri != val <i>Response Status</i> 2.5.7 <i>P</i>	_sec = invalid)" This br therwise there is no wa with one open circuit, o lid" and likewise for sig_ s W 121 L 29	anch should also be y out of r dual-sig with both open
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40 Response Response Status W ACCEPT IN PRINCIPLE. OBE by 339 ### ###	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy Change "sig_pri = Response ACCEPT.	*(sig_pri = invalid) *(sig_ circuits are detected. O CT_EVAL for single-sig invalid" to "sig_pri != val <i>Response Status</i> 2.5.7 <i>P</i>	_sec = invalid)" This br therwise there is no wa with one open circuit, o lid" and likewise for sig_ s W	anch should also be y out of r dual-sig with both open _sec = invalid.
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40 Response Response Status W ACCEPT IN PRINCIPLE. OBE by 339 ### ### ### Comment 339 has the following response:	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy Change "sig_pri = Response ACCEPT. C/ 145 SC 145.	*(sig_pri = invalid) *(sig_ circuits are detected. O CT_EVAL for single-sig invalid" to "sig_pri != val <i>Response Status</i> 2.5.7 <i>P</i>	_sec = invalid)" This br therwise there is no wa with one open circuit, o lid" and likewise for sig_ s W 121 <i>L</i> 29 E Consulting/Aqua	anch should also be y out of r dual-sig with both open _sec = invalid.
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40 Response Response Status W ACCEPT IN PRINCIPLE. OBE by 339 ### ### ### Comment 339 has the following response: ACCEPT IN PRINCIPLE. Replace from "The function returns" until "do_autoclassification" with: "This function does not return any variables."	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy Change "sig_pri = Response ACCEPT. C/ 145 SC 145. Zimmerman, George Comment Type E "pd_req_pwr = 4 * involving tests for	*(sig_pri = invalid) *(sig_ circuits are detected. O CT_EVAL for single-sig v invalid" to "sig_pri != val <i>Response Status</i> 2.5.7 <i>P</i> CME <i>Comment Status</i> pd_class_sig?4" pretty r equality, parentheses are	_sec = invalid)" This br therwise there is no wa with one open circuit, o lid" and likewise for sig_ W 121 <i>L</i> 29 E Consulting/Aqua <i>s</i> A much everywhere else	anch should also be y out of r dual-sig with both open _sec = invalid. # [431 PSE SI there is a logic expression
Change: "P_AUTOCLASS: The maximum power measured by the PSE, PAutoclass." to "P(sub)Autoclass: The maximum power measured by the PSE." also same change P211 L40 Response Response Status W ACCEPT IN PRINCIPLE. OBE by 339 ### ### ### Comment 339 has the following response: ACCEPT IN PRINCIPLE. Replace from "The function returns" until "do_autoclassification" with:	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy Change "sig_pri = Response ACCEPT. C/ 145 SC 145. Zimmerman, George Comment Type E "pd_req_pwr = 4 * involving tests for spaces around no	*(sig_pri = invalid) *(sig_ circuits are detected. O CT_EVAL for single-sig v invalid" to "sig_pri != val <i>Response Status</i> 2.5.7 <i>P</i> CME <i>Comment Status</i> pd_class_sig?4" pretty r equality, parentheses are	_sec = invalid)" This br therwise there is no wa with one open circuit, o lid" and likewise for sig_ W 121 <i>L</i> 29 E Consulting/Aqua <i>s</i> A much everywhere else	anch should also be y out of r dual-sig with both open _sec = invalid. # [431 PSE SI there is a logic expression
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Comment 339 has the following response: ACCEPT IN PRINCIPLE. Comment 339 has the following response: ACCEPT IN PRINCIPLE. Comment 319 has the following response: ACCEPT IN PRINCIPLE. Replace from "The function returns" until "do_autoclassification" with: "This function does not return any variables."	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy Change "sig_pri = Response ACCEPT. C/ 145 SC 145. Zimmerman, George Comment Type E "pd_req_pwr = 4 * involving tests for spaces around no SuggestedRemedy change to (pd_rec	*(sig_pri = invalid) *(sig_ circuits are detected. O CT_EVAL for single-sig v invalid" to "sig_pri != val <i>Response Status</i> 2.5.7 <i>P</i> CME <i>Comment Status</i> pd_class_sig?4" pretty r equality, parentheses are t-equal)	_sec = invalid)" This br therwise there is no wa with one open circuit, o lid" and likewise for sig_ s W 121 <i>L</i> 29 E Consulting/Aqua s A much everywhere else te used. Also, spacing i ig ? 4)	anch should also be y out of r dual-sig with both open _sec = invalid. # [431 PSE SI there is a logic expression
Comment 339 has the following response: ACCEPT IN PRINCIPLE. Comment 339 has the following response: ACCEPT IN PRINCIPLE. Comment 30 has the following response: ACCEPT IN PRINCIPLE. Comment 30 has the following response: ACCEPT IN PRINCIPLE. Replace from "The function returns" until "do_autoclassification" with: "This function does not return any variables."	+(sig_type = dual) taken when open_ CXN_CHK_DETE circuits. SuggestedRemedy Change "sig_pri = Response ACCEPT. C/ 145 SC 145. Zimmerman, George Comment Type E "pd_req_pwr = 4 * involving tests for spaces around no SuggestedRemedy	*(sig_pri = invalid) *(sig_ circuits are detected. O CT_EVAL for single-sig invalid" to "sig_pri != val <i>Response Status</i> 2.5.7 <i>P</i> CME <i>Comment Status</i> pd_class_sig?4" pretty r equality, parentheses are t-equal)	_sec = invalid)" This br therwise there is no wa with one open circuit, o lid" and likewise for sig_ s W 121 <i>L</i> 29 E Consulting/Aqua s A much everywhere else te used. Also, spacing i ig ? 4)	anch should also be y out of r dual-sig with both open _sec = invalid. # [431 PSE SI there is a logic expression

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/ 145	SC 145.2.5.7	P 1	25	L 17	# 432
Zimmerman	, George	CME	Cons	ulting/Aqua	
pd_class !class_4 pse_ava	 mer_pri_done * s_sig_pri = temµ IPID_mult_even	ts_pri * missing parenthese		und "(pd_class_sig_	PSE SD pri = temp_var_pri)"
SuggestedR	Remedy				
put pare	entheses consist	ently around logical	equa	lities/inequalities in b	oranch equations
Response ACCEP	Т.	Response Status	С		
C/ 145	SC 145.2.5.7	P 1	25	L 12	# 433
Zimmerman	, George	CME	Cons	ulting/Aqua	-
pd_class (class_4 pse_ava makes t more tha equalitie	mer_pri_done * s_sig_pri = temp IPID_mult_even ail_pwr > 4)" mis his unclear and an 2 lines. Ther	p_var_pri *? ts_pri +? ssing parentheses a inconsistent - this e are numerous ins branch logic and n	irouno s is ve tance		
SuggestedR	Remedy				
put pare	entheses consist			lities/inequalities in a eem to suffer from th	
Response		Response Status	С		
		,			

ACCEPT.