C/ 00 SC	; O	Р	L	#	172	C/ 00	SC 0		Р	L	#	255
Anslow, Pete		Ciena				Klempa, M	ichael		UNH IOL			
Comment Type	ER	Comment Status A			Editorial	Comment	Туре	E	Comment Status A			Editoria
	ve cross-refe	er of broken cross reference erences or if the target loca External"						•	instead of "." according to the nould be a dot on the line (dec		his applies	even when
SuggestedReme Fix all incorre refs that do n	ect cross-ref	ferences in the draft. Some	e are black text,	, some are	e black cross-	the standa Clause		stion is	intended for international ado	ption (e.g., ad	option by IS	O/IEC). See
Either make them into tex	them into liv xt with the ch	ve cross-references or if the naracter tag "External"	0			Suggested Replac			"," in equations with "."			
	a list, so I h	on of each cross-reference ave highlighted the ones th				Response ACCE	PT.		Response Status C			
Response		Response Status W				C/ FM	SC FI	м	P1	L 2	#	84
ACCEPT.						Zimmerma	n, Georg	e	CME Consultir			
					<u> </u>	-	-	_				Editoria
C/ 00 SC	C 0	Р	L	#	146	Comment	Туре	E	Comment Status A			Eulion
C/ 00 SC Maguire, Valerie	-	<i>P</i> Siemon	L	#	146			_	Comment Status A as amended by (several a	mendments, n	ot clear yet	
Maguire, Valerie	-	-	L	#	146 Editorial		s on 802.	3-2015		mendments, n	ot clear yet	
Maguire, Valerie Comment Type The terms "tw document. F	E wisted pair" Please stand	Siemon Comment Status A and "twisted-pair" are ofter dardize on one style. "Twis	L n used interchar sted-pair" is reco	ngeably th	<i>Editorial</i> roughout the	Draft is <i>Suggested</i> Chang to pub	s on 802. Remedy	3-2015	as amended by (several an			
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Page 1 of 126 9/16/2016 3:02:17 PM C/ FMSC FM P 1 L 25 # 159 C/ FM SC FM P3L 38 # 85 Anslow, Pete Ciena Zimmerman, George CME Consulting, Agua Comment Type Е Comment Status A **F**ditorial Comment Type E Comment Status A Editorial "Draft D2.0 is prepared for Task Force Review." should have been "Draft D2.0 is prepared Base standard is IEEE Std 802.3-2015, draft savs "201x" for initial Working Group ballot.' SuggestedRemedy SuggestedRemedy Change -201x to -2015 Going forward change to Draft D2.1 is prepared for Working Group ballot recirculation." Response Response Status C Response Response Status C ACCEPT. ACCEPT IN PRINCIPLE. C/FMSC FM P 3 L 40 # 161 OBE by 133 Anslow, Pete Ciena C/ FM SC FM P 1 L 26 # 83 Comment Status A Comment Type Е Editorial Zimmerman, George CME Consulting, Agua "IEEE Std 802.3-201x" should be "IEEE Std 802.3-2015" Comment Type E Comment Status A Editorial SuggestedRemedy Draft says it is for Task Force Review. Change "IEEE Std 802.3-201x" to "IEEE Std 802.3-2015" SuggestedRemedy Response Response Status C Change "Task Force Review" to "Working Group Recirculation" (assuming this is on D2.1 ACCEPT IN PRINCIPLE. Response Response Status C OBE by 85 ACCEPT IN PRINCIPLE. Ρ4 C/ FM SC FM / 19 # 111 OBE by 133 Hajduczenia, Marek Charter Communicatio C/ FM SC FM P 2 L4 # 160 Comment Type E Comment Status A Editorial Anslow, Pete Ciena List of amendments is NOT complete - we are now up to 9 amendments Comment Type E Comment Status A Editorial SuggestedRemedy "The power classification information exchanged during negotiation will be extended ...' Please update front matter to use the latest list of available / published amendments "will be" is predicting the future. Response Response Status C SuggestedRemedy ACCEPT IN PRINCIPLE. Change "will be extended" to "is extended" OBE by 134 Response Response Status C ACCEPT.

IEEE P802.3bt D2.0 4-Pair PoE Initial Working Group ballot comments

CI 00	SC 0	P 4	L 19	# 134
Grow, Rob	pert	RMG Consul	ting	
Comment	Type ER	Comment Status A		Editorial
Obsol	ete front matter	document list.		
		the reader know what you ar for with the WG template, in the template, in the template, in the template is the template of te		

If the Maintenance TF comes up with a plan for a 2017 revision, then the current undated revision of 802.3 on p.3, I. 38 is correct, but that contradicts the title page indicating this will be an amendment to 802.3-2015.

With amendment completions scheduled for 3/17, 7/17, and 10/17 and 802.3bt scheduled for 1/18, the revision might follow 802.3bt. So if 802.3bt is an amendment to 802.3-2015, based on timelines it will be Amendment 13. For base text, you need to assume it will be a double digit amendment anyway, (the base text of a revision draft will be the same as what you would get being amendment 13). What does potentially differ between an amendment to the next revision probably using a draft as the base for your modifications) and being amendment 13 is the numbering of subclauses, figures and tables changes from 802.3-2015.

SuggestedRemedy

Assure you are using the latest front matter text when creating the next draft.

Response Status W

Update the document list to eliminate 802.3bk.

Make base standard year consistent (either 2015 or 201x), though I suggest writing as an amendment to 802.3-2015. The front matter of P802.3bv/D3.0 has the latest information available as of July 2016. It also though is very likely Corrigendum 1 will be approved before P802.3bt and could also be added to the P802.3bv list. You may choose to not worry about which amendments follow 802.3bv but preceed 802.3bt at this time, but you need to clearly indicate what the assumptions are for how you wrote the draft (what other amendments/corrigenga were considered).

Response

-T

ACCEPT.

 C/
 FM
 P 4
 L 20
 #
 86

 Zimmerman, George
 CME Consulting, Aqua
 CME Consulting, Aqua

 Comment Type
 E
 Comment Status
 A
 Editorial

 802.3bk is folded into IEEE Std 802.3-2015, additional amendments to IEEE Std 802.3-2015 preceding bt are missing (by, bq, bp, br, bn, bz, bu, possibly bs and others)
 SuggestedRemedy

 Delete 802.3bk description, add in descriptions of known preceding amendments. See for example 802.3bu for a good start, consult with IEEE 802.3 leadership for projected order of

Response Response Status C

ACCEPT IN PRINCIPLE.

publication

OBE by 134				
C/ FM SC	FM	P 4	L 20	# 162
Anslow, Pete		Ciena		
Comment Type	Е	Comment Status A		Editorial

The frontmatter should contain the summaries of the amendments to IEEE Std 802.3-2015 that are ahead of P802.3bt in the gueue. This does not include IEEE Std 802.3bk-2013.

SuggestedRemedy

Add the summaries of Amendments 1 through 7 as well as 8 and 9 when the WG chair has announced them.

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE by 134

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: Page, Line

C/ FM SC FM Anslow, Pete	P 4 Ciena	L 30	# 163	C/ FM SC FM Yseboodt, Lennart	Р 11 Philips	L 54	# 481
Comment Type E	Comment Status A		Editorial	Comment Type E	Comment Status A		Editorial
power available bey plant" is not in accou enhance", which wil "beyond current star published. It says th power? Electrical si As an example, the Std 802.3-2015 to d	amendment includes enhancen ond current standards by utilizin rdance with summaries of other I not be appropriate once the an ndards" which will not be appro hat it will increase the maximum ignal power? The text ends with P802.3bu summary is: "This an efine a methodology for the pro Ferminal Equipment (DTE) with	ng all four pairs in amendments. It nendment is pub priate once the a power available a green underlin nendment include vision of power v	the structured wiring includes "that will lished. It also says mendment is . What power? Optical ed comma. es changes to IEEE ia a single twisted pair	document right!	am getting *so* close to getting ele of contents still reads "Copy t (c) 2016 IEEE." <i>Response Status</i> C	-	
SuggestedRemedy				C/FM SC FM	P 19	L 44	# 87
Re-write the summa	ary in line with those of other am	endments		Zimmerman, George	CME Consult		
Response	Response Status C			Comment Type E	Comment Status A		Editorial
power utilizing all fo	amendment includes changes ur pairs in the structured wiring P 6		3-2015 to deliver # 325	SuggestedRemedy See comment Response	Response Status C		
.aw, David Comment Type E	HPE Comment Status A		Editorial	ACCEPT IN PRINCI	•		
	IEEE P802.3xx' should be ch	anged to read '		Remove paranthesis	and specific project list.		
SuggestedRemedy See comment.				C/ 00 SC 0 Grow, Robert	P 19 RMG Consul	L 44 ting	# 135
Response ACCEPT.	Response Status C			Comment Type ER This editorial note ha running in parallel).	Comment Status A as not been updated for this dra	aft (P802.3bj and	<i>Editorial</i> P802.3bk are not
FM SC FM	P 6	L 22	# 326	SuggestedRemedy			
aw, David	HPE				mation provided in front matter	document list).	or update to reflect the
omment Type E	Comment Status A		Editorial		onsidered in creating this draft.	· · ·	· · · · · · · · · · · · · · · · · · ·
	g Group voter list supplied in G_names_DL_240816.fm			Response ACCEPT IN PRINCI	Response Status W		
IEEE_P802d3bt_W				OBE by 87			

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: Page, Line

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Li **44**

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C/ 1 SC 1.3 Laubach, Mark	P 20 Broadcom Lim	L 3 nited	# 151	C/ 1 SC 1.4.313a P 20 Anslow, Pete Ciena	L 22 # 164
Comment Type E (Remote editor's note and s	Comment Status R subclause 1.3. Not needed	d if there is not	Ed. content under 1.3.	Comment Type E Comment Status A "Insert 1.4.131a after" should be "Insert 1.4.313a after"	Editorial
SuggestedRemedy As per comment.				SuggestedRemedy Change "Insert 1.4.131a after" to "Insert 1.4.313a after"	
Response R REJECT.	Response Status C			Response Response Status C ACCEPT.	
A normative reference is b	eing added by comment 8	88.			L 24 # 482
7 1 SC 1.3	P 20	L 8	# 88	Stover, David Linear Technology	
immerman, George	CME Consultir	ng, Aqua		Comment Type E Comment Status A	Editorial
Comment Type TR	Comment Status A		Ca	"pairset: Either of the two valid 4-wire connections as liste are four connections listed in 33.2.4; be more explicit.	d in IEEE 802.3, 33.2.4". There
TIA-TSB-184-A now contain requirements for Clause 33				SuggestedRemedy	
within and between pairset				Change	
					8023 3324
understanding the cabling	requirements for the docu	ment and shou	lid be normative	Either of the two valid 4-wire connections as listed in IEEE	- 002.0, 00.2.4.
understanding the cabling	requirements for the docu	ment and shou	lid be normative	Either of the two valid 4-wire connections as listed in IEEE to	- 002.0, 00.2.4.
understanding the cabling uggestedRemedy Add reference to TIA TSB-	-184-A to the normative rel	ferences and d			
understanding the cabling SuggestedRemedy Add reference to TIA TSB- and update references in d	-184-A to the normative rel document (e.g., page 44 lir	ferences and d		to	
understanding the cabling SuggestedRemedy Add reference to TIA TSB- and update references in d	-184-A to the normative rel	ferences and d		to Either Alternative A or Alternative B as described in IEEE Response Response Status C ACCEPT IN PRINCIPLE.	
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COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn Li 26 9/16/2016 3:02:17 PM SORT ORDER: Page, Line

C/1 SC	1.4.381a	P 20	L 26	# 90	C/1 S	C 1.4.415	P 20	L 31	# 483
Zimmerman, Geo	orge	CME Consult	ing, Aqua		Stover, David		Linear Techr	nology	
Comment Type	TR	Comment Status A		Editorial	Comment Type	Е	Comment Status A		Editoria
it is never con	nnected to t	nature resistance and switc the same pairset, is it still si eously shares".			referring to	a sequence	signature" Elsewhere in the of class events.	e draft, the conv	ention is "Class X" when
SuggestedRemea					SuggestedRen	,	0		
See comment	•				Change lin Class X sig	es 31, 36, 4 nature	3		
Response ACCEPT.		Response Status W			to Class X				
Insert "simulta	aneouslv" h	pefore "shares"			Response		Response Status C		
	-		1.00	# 405	ACCEPT II		.E.		
C/ 1 SC · Anslow, Pete	1.4.381a	P 20 Ciena	L 26	# 165	Replace "p	rovides a Cl	ass 1 to Class 6 signature"		
Comment Type	Е	Comment Status A		Editorial			Ū.		
Sommone Type	-	Common Clattic II		Eultonal	with reque	313 01233 1	to Class 6" on line 36		
Also, IEEE St	td 802.3bp-	uction for 1.4.381a. ·2016 inserted "single twiste Il have to be 1.4.381aa	ed pair copper o	cable" as 1.4.381a, so	make simil	ar change o	n line 43		
Also, IEEE St "single-signat	td 802.3bp- ture PD" wil		ed pair copper o	cable" as 1.4.381a, so	make simil do not cha	Ū	n line 43		
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Also, IEEE St "single-signat SuggestedRemed Add an editing inserted by IE Renumber the Response ACCEPT IN F OBE by 136	td 802.3bp- ture PD" wil dy g instructio EEE Std 802 e new defin	2016 inserted "single twiste Il have to be 1.4.381aa n "Insert 1.4.381aa before 1 2.3bp-2016) as follows: iition to 1.4.381aa <i>Response Status</i> C	I.4.381a "single <i>L</i> 31		do not char C/ 1 S Grow, Robert Comment Type The numbe SuggestedRen Change the 1.4.418ad Response	ER ER ering duplica edy subclause after 1.4.418	P 20 RMG Consu <i>Comment Status</i> A tes numbers in P802.3bu. numbers and editing instruc 3 "Type 2 PSE" (before inser <i>Response Status</i> W	lting	Editoria
Also, IEEE St "single-signati SuggestedRemed Add an editing inserted by IE Renumber the Response ACCEPT IN F OBE by 136 C/ 1 SC Grow, Robert Comment Type	td 802.3bp- ture PD" wil dy g instructio EEE Std 80: e new defin PRINCIPLE 1.4.415 ER	2016 inserted "single twiste Il have to be 1.4.381aa before 1 2.3bp-2016) as follows: hition to 1.4.381aa Response Status C	1.4.381a "single <i>L</i> 31 ing	e-signature PD" (as	do not char C/ 1 S Grow, Robert Comment Type The numbe SuggestedRen Change the 1.4.418ad Response	ER Fing duplica edy subclause after 1.4.418 N PRINCIPL	P 20 RMG Consu <i>Comment Status</i> A tes numbers in P802.3bu. numbers and editing instruc 3 "Type 2 PSE" (before inser <i>Response Status</i> W	lting	Editoria
Also, IEEE St "single-signati SuggestedRemed Add an editing inserted by IE Renumber the Response ACCEPT IN F OBE by 136 C/ 1 SC Grow, Robert Comment Type	td 802.3bp- ture PD" wil dy g instructio EEE Std 802 e new defin PRINCIPLE 1.4.415 ER .1 has all en dy	2016 inserted "single twiste Il have to be 1.4.381aa before 1 2.3bp-2016) as follows: hition to 1.4.381aa <i>Response Status</i> C <i>P</i> 20 RMG Consult <i>Comment Status</i> A dits shown here, and more.	1.4.381a "single <i>L</i> 31 ing	e-signature PD" (as # 137	do not chai Cl 1 S Grow, Robert Comment Type The numbe SuggestedRen Change the 1.4.418ad Response ACCEPT II	ER Fing duplica edy subclause after 1.4.418 N PRINCIPL	P 20 RMG Consu <i>Comment Status</i> A tes numbers in P802.3bu. numbers and editing instruc 3 "Type 2 PSE" (before inser <i>Response Status</i> W	lting	Editoria

Pa **20** Li **34**

C/ 1 SC 1.4.41	8a P 20	L 36	# 166	C/ 1	SC 1.4.418b	P 20	L 40	# 91
Anslow, Pete	Ciena			Zimmerman	, George	CME Consult	ing, Aqua	
Comment Type E	Comment Status A		Editorial	Comment T	ype TR	Comment Status A		Types
draft will have to be	g "Type A PoDL System" as 1. 1.4.418aa through 1.4.418ad.	4.418a, so the T	ype x insertions in this	(for Typ	e 3), and in 1.4.	SE Type is circular. Power le 418d (Type 4) should refer to nd Type 4 PDs. However, it	o Class power le	evels as in the
PoDL System" (as i	instruction to: "Insert 1.4.418aa nserted by IEEE Std 802.3bu-2 rted definitions to be 1.4.418a	201x) as follows:"	21	no iden Class 6	ifiable maximur Type 3 PSEs ir	n class supported (there are n Table 33-2), so the descript suitable for the definition.	up to Class 3, u	ip to Class 4 and up to
		a thiough 1.4.410	bau.	SuggestedF	Remedy			
Response ACCEPT.	Response Status C			Delete '	up to Type 3 pc	ower levels", and in 1.4.418d,	, delete "up to "7	Type 4 power levels"
ACCEPT.				Response		Response Status W		
C/ 1 SC 1.4.41	8a P 20	L 37	# 484	ACCEP	T IN PRINCIPL	Ε.		
Stover, David	Linear Techr	nology		ln 1.4.4	18h			
Comment Type E	Comment Status A		Editorial			power levels" with "up to Cla	ss 6 power level	s".
"multiple-Event cl	assification" Capitaliazation	does not match r	est of draft.	In 1.4.4	104			
SuggestedRemedy						power levels" with "up to Cla	ss 8 power level	s".
Change lines 37, 40 multiple-Event)			C/ 1	SC 1.4.418c	P 20	L 45	# 93
to				Zimmerman	, George	CME Consult	ing, Aqua	
Multiple-Event				Comment T	ype ER	Comment Status A		Editorial
Response ACCEPT.	Response Status C			Mode a	s powering with	not (it is here, but not in the s a pairset in Clause 33 are ca same as the definitions not o	apitalized, howe	
				SuggestedF	Remedy			
				Make ca	apitalization con ent throughout in	sistent between 1.4.418a an n the draft.	d 1.4.418c and	scrub the text to make
				Response		Response Status W		
				ACCEP	T IN PRINCIPL	E.		
				Editor to	o make draft co	nsistent with capitalized "Moo	de".	

Pa **20** Li **45**

C/ 1 SC 1.4.418	d P 20	L 47	# 128	C/ 1 SC 1.5	P 21	L 15	# 129
Hajduczenia, Marek	Charter Comr	nunicatio		Hajduczenia, Marek	Charter Com	imunicatio	
should be written as end of the sentence, applied in 1.4.418a/b	Comment Status A the base standard, "and 4-pair "and 4-pair power. (See IEEE and then start with "S" in the b /c/d and in 1.4.415 and in 1.4.3	802.3, Clause a rackets. The sa	33).", i.e., have "." at the me change to be	SuggestedRemedy Remove and add *c	Comment Status A 5 and 1.3 if there is no content only* if there is anything to be ha	ad there	Editorial
SuggestedRemedy per comment. Note t	hat the base text is not consiste	ent in itself toda	у	Response ACCEPT IN PRINC	Response Status C		
Response ACCEPT.	Response Status C			Remove 1.5			
C/ 1 SC 1.4.425	P 21	L 3	# 539	1.3 has a normative	e reference added by a commer	nt.	
Thompson, Geoff	GraCaSI S.A.	-		C/ 25 SC 25 Law, David	<i>Р</i> 23 НРЕ	L 1	# 327
Comment Type ER This is a parameter, SuggestedRemedy Move to clause 33 Response ACCEPT IN PRINCII OBE by 6	Comment Status A not a term. As such, it definition Response Status W PLE.	n belongs in cl	<i>Editorial</i> ause 33, not clause 1	SuggestedRemedy Suggest the header Response ACCEPT.	Comment Status A designation in header in this C r text 'IEEE Draft P802.3/D2.0' s Response Status C	should read 'IEE	E Draft P802.3bt/D2.0'.
C/ 1 SC 1.4.426 Thompson, Geoff	6 P 21 GraCaSI S.A.	L 7	# 540	<i>Cl</i> 25 SC 25.4.5 Hajduczenia, Marek	6 P 23 Charter Com	L 10 Imunicatio	# 130
Comment Type ER	Comment Status A not a term. As such, it definitic		<i>Editorial</i> ause 33, not clause 1	Comment Type ER It seems like text of updated	Comment Status A requirement is being modified.	Associated PICS	<i>Editorial</i> S also need to be
SuggestedRemedy Move to clause 33				SuggestedRemedy Please update PICS	S to match newly modified text		
Response	Response Status W			Response	Response Status W		
ACCEPT IN PRINCI	PLE.			ACCEPT IN PRINC	CIPLE.		

Pa **23** Li **10**

C/ 25 SC 25.4.5 P 23 L 11 # 7 ones, Chad Cisco	C/ 25 SC 25.4.5 P 23 L 15 # 152 Laubach, Mark Broadcom Limited Bro
Comment Type E Comment Status A Editorial "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD". In the section below, this is stated much more succinctly by saying "Type 2 or greater". Make this match.	Comment Type E Comment Status A Edu Cross reference for "25.4.5.1". Add it. SuggestedRemedy As per comment.
SuggestedRemedy change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD"	Response Response Status C ACCEPT.
to: "A 100BASE-TX receiver in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD"	C/ 25 SC 25.4.7 P 23 L 22 # 8 Jones, Chad Cisco Cisc
and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or	Comment Type ER Comment Status A Edu "passed through a link specified in ; and received"
Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD"	there is a missing link before the semicolon. Checking old versions, the proper link is 25 SuggestedRemedy
Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" Response Response Status C ACCEPT.	there is a missing link before the semicolon. Checking old versions, the proper link is 25
Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" Response Response Status	there is a missing link before the semicolon. Checking old versions, the proper link is 25 SuggestedRemedy add link to the reference section as 25.4.8 Response Response Status W

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

Pa **24** Li **1**

C/ 00 SC 0 P27 L1 # 167 Anslow, Pete Ciena Editor t Comment Type ER Comment Status A Editor Comment 1 against D1.7 noted that there was a large number of unmodified subclauses in amended clauses in the draft. The response included: "Any unchanged subsection to be removed before D2.0" This has not been done. There is still a large amount of unmodified subclauses in amended clauses in the draft. SuggestedRemedy Remove all subclauses that are not being changed in amended clauses. This appears to include: The text in 30.9.1 (leave the heading) 30.9.1.1.5 30.9.1.1.7 through 30.9.1.1.14 All of 30.9.2 All of 30.9.2 All of 30.9.2 All of 30.12.2.1.5 through 30.12.2.1.18 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 30.12.3.1.18
t Comment Type ER Comment Status A Editor Comment 1 against D1.7 noted that there was a large number of unmodified subclauses in amended clauses in the draft. The response included: "Any unchanged subsection to be removed before D2.0" This has not been done. There is still a large amount of unmodified subclauses in amended clauses in the draft. SuggestedRemedy Remove all subclauses that are not being changed in amended clauses. This appears to include: The text in 30.9.1 (leave the heading) 30.9.1.1.1 through 30.9.1.1.3 30.9.1.1.5 30.9.1.1.5 30.9.1.1.14 All of 30.9.2 All of 30.9.2 All of 30.10 30.12.2.1.5 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2
Comment 1 against D1.7 noted that there was a large number of unmodified subclauses in amended clauses in the draft. The response included: "Any unchanged subsection to be removed before D2.0" This has not been done. There is still a large amount of unmodified subclauses in amended clauses in the draft. <i>SuggestedRemedy</i> Remove all subclauses that are not being changed in amended clauses. This appears to include: The text in 30.9.1 (leave the heading) 30.9.1.1.1 through 30.9.1.1.3 30.9.1.1.5 30.9.1.1.7 through 30.9.1.1.14 All of 30.9.2 All of 30.10 30.12.2.1.5 through 30.12.2.1.18 30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2
amended clauses in the draft. The response included: "Any unchanged subsection to be removed before D2.0" This has not been done. There is still a large amount of unmodified subclauses in amended clauses in the draft. SuggestedRemedy Remove all subclauses that are not being changed in amended clauses. This appears to include: The text in 30.9.1 (leave the heading) 30.9.1.1.1 through 30.9.1.1.3 30.9.1.1.5 30.9.1.1.7 through 30.9.1.1.14 All of 30.9.2 All of 30.10 30.12.2.1.5 through 30.12.2.1.18 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2
30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2
79.1 through 79.2
The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing instruction. Add an editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading) 79.3.2.4.2 and 79.3.2.4.3
The content of 79.3.2.5 and 79.3.2.6 except Table 79-5 and Table 79-6 79.3.2.7 The content of 79.4 (leave the heading) 79.4.1 The text of 79.4.2 The only change to the PICS appers to be to change "enquiries" to "inquiries" on pasge 228, line 22, but this is "inquiries" in the base standard, so unless there are unmarked changes remove the entire PICS section.
Response Response Status W
ACCEPT IN PRINCIPLE.
OBE by 139

Pa **27** Li **1**

C/ 30 SC 30.9 P 27 L 1 # 139 Srow, Robert RMG Consulting	C/ 30 SC 30.9.1 P 27 L 4 # 153 Laubach, Mark Broadcom Limited 153	
Comment Type E Comment Status A Editorial I assume the intent of including all of 30.9 through 30-12 is for convienence of the reviewer. That should be noted. E	Comment Type E Comment Status A Edit Editor instructions appear to be missing pertaining to lines 4 through 46. Is this replacement text, new text? Add editor instructions.	litorial
Add boxed editor's note explaining that all of the PoE management has been included for convienence of the reviewer, and should be removed by the publication editor during publication preparation. Response Response Status C ACCEPT IN PRINCIPLE.	SuggestedRemedy As per comment. Response Response Status C ACCEPT IN PRINCIPLE. OBE by 139	
Implement suggested remedy, with "To be removed prior to Sponsor Ballot" added to note. 2/30 SC 30.9 P 27 L 1 # 131	C/ 00 SC 0 P 27 L 5 # 58 Ran, Adee Intel	
lajduczenia, Marek Charter Communicatio	Comment Type E Comment Status A Edi	litorial
Comment Type ER Comment Status A Editorial	from the base document, with editorial instructions only in some subclauses. It is difficult	ent It to
Subclause 30.9 contaisn right now a mix of existing and modified text. Existing unmodified text should not be part of the amendment and ought to be removed SuggestedRemedy Please scrub 30.9 and 30.10 and 30.12 and retain only text (subclauses) that need to be modified (e.g., 30.9.1.1.4) but remove any subclauses that have not been modified under this project. There is a *lot* of text in these subclauses which are not needed there There is also no indication (editorial instructions) as to what text is being added (which subclauses are new)	dentify the changes. Amendments should include only the amended parts. SuggestedRemedy Remove all unchanged subclauses in the amendment. Response Response Status C ACCEPT IN PRINCIPLE. OBE by 139	
Subclause 30.9 contaisn right now a mix of existing and modified text. Existing unmodified text should not be part of the amendment and ought to be removed SuggestedRemedy Please scrub 30.9 and 30.10 and 30.12 and retain only text (subclauses) that need to be modified (e.g., 30.9.1.1.4) but remove any subclauses that have not been modified under this project. There is a *lot* of text in these subclauses which are not needed there There is also no indication (editorial instructions) as to what text is being added (which subclauses are new) Response Response Response Status W	dentify the changes. Amendments should include only the amended parts. SuggestedRemedy Remove all unchanged subclauses in the amendment. Response Response Status C ACCEPT IN PRINCIPLE.	
Subclause 30.9 contaisn right now a mix of existing and modified text. Existing unmodified text should not be part of the amendment and ought to be removed SuggestedRemedy Please scrub 30.9 and 30.10 and 30.12 and retain only text (subclauses) that need to be modified (e.g., 30.9.1.1.4) but remove any subclauses that have not been modified under this project. There is a *lot* of text in these subclauses which are not needed there There is also no indication (editorial instructions) as to what text is being added (which subclauses are new)	dentify the changes. Amendments should include only the amended parts. SuggestedRemedy Remove all unchanged subclauses in the amendment. Response Response Status C ACCEPT IN PRINCIPLE. OBE by 139 C/ 30 SC 30.9.1.1.3 P 27 L 44 328	ement ve ut
Subclause 30.9 contaisn right now a mix of existing and modified text. Existing unmodified text should not be part of the amendment and ought to be removed SuggestedRemedy Please scrub 30.9 and 30.10 and 30.12 and retain only text (subclauses) that need to be modified (e.g., 30.9.1.1.4) but remove any subclauses that have not been modified under this project. There is a *lot* of text in these subclauses which are not needed there There is also no indication (editorial instructions) as to what text is being added (which subclauses are new) Response Response Status W ACCEPT IN PRINCIPLE.	dentify the changes. Amendments should include only the amended parts. SuggestedRemedy Remove all unchanged subclauses in the amendment. Response Response Status C ACCEPT IN PRINCIPLE. OBE by 139 C/ 30 SC 30.9.1.1.3 P27 L 44 Law, David HPE Comment Type TR Comment Type TR Comment Status A Managed The 'BEHAVIOUR DEFINED AS' text states that "When "true" the PSE Pinout Alternative used can be controlled through the aSectionSESs attribute.'. Since the aSectionSESs attribute is part of the WAN Interface Sublayer (WIS) object class I don't think this is correct. Instead I think the reference should be to the aPSEPowerPairs	emen ve ut
Subclause 30.9 contaisn right now a mix of existing and modified text. Existing unmodified text should not be part of the amendment and ought to be removed SuggestedRemedy Please scrub 30.9 and 30.10 and 30.12 and retain only text (subclauses) that need to be modified (e.g., 30.9.1.1.4) but remove any subclauses that have not been modified under this project. There is a *lot* of text in these subclauses which are not needed there There is also no indication (editorial instructions) as to what text is being added (which subclauses are new) Response Response Status W ACCEPT IN PRINCIPLE.	dentify the changes. Amendments should include only the amended parts. SuggestedRemedy Remove all unchanged subclauses in the amendment. Response Response Status C ACCEPT IN PRINCIPLE. OBE by 139 C/ 30 SC 30.9.1.1.3 P27 L 44 Law, David HPE Comment Type TR Comment Type TR Comment Status A Manager The 'BEHAVIOUR DEFINED AS' text states that 'When "true" the PSE Pinout Alternative used can be controlled through the aSectionSESs attribute. When "false" the PSE Pinout Alternative used cannot be controlled through the aSectionSESs attribute.'. Since the aSectionSESs attribute is part of the WAN Interface Sublayer (WIS) object class I don't think this is correct. Instead I think the reference should be to the aPSEPowerPairs attribute.	emen ve ut

C/ 30 SC 3 ₋aw, David	0.9.1.1.4	<i>Р</i> 28 НРЕ	L 8	# 329	C/ 30 Law, David	SC 30.9.1.1.4	4 <i>P</i> 28 HPE	L 8	# 330
Comment Type	TR C	omment Status A		Management	Comment T	ype TR	Comment Status A		Managemen
only if the attrib attribute aSecti aSectionSEST don't think this aPSEPowerPa SuggestedRemedy Suggest that be	bute aSection ionSESThres hreshold attrii is correct. Ins irsControlAbii , oth instances	stead I think the referentity attribute.	" If the peration has no e I Interface Subla nce should be to pute aSectionSES	o the indicated value effect.'. Since the yer (WIS) object class I the SThreshold is' should	determi pairsets have to The cha Alternat the PSE aSectio	ne whether an a prior to applyir be met before a anges to this att ive A and Altern Pinout Alterna nSESThreshold	"ID requirements' states that attached PD is a candidate ing power to both pairsets.' a applying power to both pairs ribute has added a new enti- native B'. The behaviour the tive used to the indicated v d is "true." (See my other co	to receive power and then goes on sets. umeration 'both' o en states that 'A s alue only if the at	pe 4 PSEs shall on both to state the conditions defined as 'PSE Pinout SET operation changes ttribute
0		ttribute aPSEPowerPai	IrsControlAbility	IS	should I	be aPSEPower	PairsControlAbility).		
Response ACCEPT.	ĸe	sponse Status W			the aPS enumer the Sub	EPowerPairs a ation 'both' ' c c clause 33.2.6.7	that, if the attribute aPSEP ttribute is "signal" or "spare changes the PSE Pinout Alt 2 4PID requirements. In add neration 'both' on a PSE that	", performing a S ernative used' lition what happe	ET operation with the to 4-pair regardless of ns if there is a SET
					SuggestedF	Remedy			
					indicate the attri function	d value only if t bute aPSEPowe s to be disable	T operation changes the PS he attribute aSectionSESTI erPairsControlAbility is "true d, the PSE Pinout Alternativ and then the PSE functions	hreshold is "true.' e" a SET operatic /e use to be char	" be changed to read 'If on will cause the PSE
					Response		Response Status W		
					ACCEP	T IN PRINCIPL	E.		
					value or attribute function	nly if the attribut aPSEPowerPa s to be disable	operation changes the PSE te aSectionSESThreshold is airsControlAbility is "true" a d, the PSE Pinout Alternativ	s "true."' be chang SET operation w ve use to be char	ged to read 'If the /ill cause the PSE

Pa **28** Li **8**

indicated if supported, and then the PSE functions to be enabled.'

-									
CI 30 SC	30.9.1.1.5	P 28	L 17	# 154	CI 30	SC 30.9.1.1.7	P 29	L 23	# 485
Laubach, Mark		Broadcom Li	mited		Stover, Da	avid	Linear Technol	ology	
Comment Type	E Comn	nent Status A		Editorial	Comment	Type T	Comment Status A		Pres: Law1
so not sure w		re. Detected one di	fference betweer	loes exist in Clause 2, n the texts. So, add ed.		nent will map to. Ei	o to" is unclear. Does this m ther way it is incorrect. The		
subclauses a changed, it d leading up to	nd associated text oesn't need to be the text of text	for what is being ch his draft. Only the f subclauses , the su	hanged in Clause first subclause he bclause header o	nould only contain the 30, if nothing is being aders for each level of interest, the editing	bit spe	ge	use 35 GMII is present, the .;	n this will map to	o the Invalid Signature
SuggestedReme As per comm	-						use 35 GMII is present, the cified in 33.5.1.2.6 changes		
Response		nse Status C			Response	•	Response Status C		
ACCEPT IN	, PRINCIPLE.	-			ACCE	PT IN PRINCIPLE			
OBE by 139					OBE b	oy 335			
<i>Cl</i> 30 <i>SC</i> Law, David	30.9.1.1.6	<i>P</i> 29 HPE	L 11	# 331	<i>Cl</i> 30 Stover, Da	SC 30.9.1.1.8 avid	P 29 Linear Techn	L 35 ology	# 486
being powere "deliveringPo Sublayer (WI	OUR DEFINED AS ed, that is the attributer of the second s	ute aLineSESThres ineSESThreshold a on't think this is corr	hold reporting the attribute is part of		increm event. Suggested	hrase "this will map nent will map to. Ei dRemedy	Comment Status A o to" is unclear. Does this m ther way it is incorrect. The		
	•			should be changed to			use 35 GMII is present, the	n this will map to	the Power Denied bit
Response ACCEPT.		nse Status W					use 35 GMII is present, the ed in 33.5.1.2.4 changes fro		
					Response		Response Status C		
					ACCE	PT IN PRINCIPLE			
					OBE b	oy 335			

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: Page, Line

Pa **29** Li 35

	30.9.1.1.9	P 29	L 47	# 487	C/ 30		30.9.1.1.	1	P 30	L 17	#	489
Stover, David		Linear Techr	nology		Stover, Da	VID			Linear Tech	nology		
Comment Type	T Com	ment Status A		Pres: Law1	Comment	Туре	т	Comme	ent Status A			Pres: Law
				er will map to or the to map to an edge		nent will			nclear. Does this it is incorrect. Th			
SuggestedRemed	ly				Suggested	Remed	dy					
Change If a Clause 22 specified in 33		GMII is present, th	en this will map	to the Overload bit		, ause 22	2 MII or C 3.5.1.2.9.		MII is present, th	en this will map	to the MP	S Absent bit
		GMII is present, th 2.8 changes from I		s icremented when the ;					MII is present, th 1.2.9 changes fro			ted when the
Response	Respo	onse Status C			Response			Respon	se Status C			
ACCEPT IN F	RINCIPLE.				ACCE	PT IN F	PRINCIPL	E.				
OBE by 335					OBE b	y 335						
C/ 30 SC : Stover, David	30.9.1.1.10	P 30 Linear Techr	L 5 nology	# 488	<i>CI</i> 30 Law, David		30.9.1.2.	l	<i>Р</i> 31 НРЕ	L 8	#	332
	his will map to" is			Pres: Law1 er will map to or the to map to an edge	aSecti	PPROF onStatu	us attribut	YNTAX' ai e which is	ent Status A nd 'BEHAVIOUR part of the WAN ead this should re	Interface Sublay	er (WIS)	object class. I
SuggestedRemed	lv				Suggested	Remed	dv					
Change	-					st that:	-					
If a Clause 22 specified in 33 to		GMII is present, th	en this will map	to the Short Circuit bit	[2] The		. a mean		atus' should read SectionStatus'			
		GMII is present, th 5.1.2.7 changes from		s icremented when the UE.;	Response			Respon	se Status W			
Response	Respo	onse Status C			ACCE	PT.						
ACCEPT IN F	,	-										
OBE by 335												

Pa **31** Li **8**

C/ 30 SC 30.12	.2.1.14	P 35	L 4	# 490	C/ 33	SC 33	P 41	L 1	# 59		
Stover, David		Linear Techn	ology		Ran, Adee		Intel				
Comment Type T	Comme	ent Status A		Management	Comment Ty	pe TR	Comment Status R		Editori		
"aLldpXdot3LocPo	werType" Ther	e is no value for T	ype 3 or Type 4				ult to review a whole clause that				
SuggestedRemedy							uch, since much of the figures the are many minor editorial change				
Add values for Typ this clause. Make o			sure what the e	ncoding should be for	marking.	,					
Response	Respon	se Status C			Amendir	ig an existir	ng clause should be done with th	e minimum cha	nges required.		
ACCEPT IN PRINC	CIPLE.				Technica	ally, it is und	clear how the large number of ch	anges in an exi	sting clause would		
Yseboodt to Add a	n item to the T	DL noting that we	need to update	this field			existing devices.				
		-			Wouldn'i	t it be more	appropriate to have a new claus	se to cover the 4	-pair POE?		
No changes to the	draft result fro	m accepting this c	omment.		- SuggestedRemedy						
C/ 30 SC 30.12	.2.1.18a	P 36	L 11	# 168			endmed clause marked with all	specific changes	(instead of a global		
Anslow, Pete		Ciena			"replace'	'), or create	a new clause for the new speci	fications.			
	Insert four nev			<i>Editorial</i> wn in 30.12.2.1.18a,	(If there is a good reason to replace the whole clause, consider adding an editor's note explaining this reason. This may prevent similar comments in the sponsor ballot)						
30.12.2.1.18b, 30.1	2.2.1.18c, 30.	12.2.1.18d" is not	formatted correct	ctly.	Response		Response Status W				
SuggestedRemedy					REJECT						
Change editing ins 30.12.2.1.18d after	truction to: "Ins 30.12.2.1.18	sert 30.12.2.1.18a as follows:"	30.12.2.1.18b,	30.12.2.1.18c, and			substantial that it does warrant				
Response	Respon	se Status C					rmal amendment procedure witl over that changes were imposs				
ACCEPT.					entire cla	ause in essa	ance. The change bar was a co	ntinous strip dov	wn the right side of the		
C/ 30 SC 30.12	.3.1.18a	P 39	L 53	# 169	page. A	II of the edit	ing markups made the draft imp	ossible to read	as well.		
Anslow, Pete		Ciena					w clause, the TF discussed this		was taken. The vote		
Comment Type E	Comme	ent Status A		Edtitorial	resulted	in maintain	ing our path of admending Claus	se 33			
Editing instruction			roup managed		See com	ment 102 f	rom D1.4 review for vote and				
shown in 30.12.3.1 correctly.							org/3/bt/public/nov15/yseboodt_ org/3/bt/public/nov15/darshan_0				
SuggestedRemedy											
Change editing ins 30.12.3.1.18d after			30.12.3.1.18b,	30.12.3.1.18c, and							
Response	Respon	se Status C									
ACCEPT	-										

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: Page, Line

C/ 33 SC 33.1 Thompson, Geoff	P 41 GraCaSI S.A.	L 1	# 541	C/ 33 SC 33 Hajduczenia, Marek	С	P 41 harter Com	L 1 municatio	# 132		
Comment Type ER	Comment Status A		Maintenance	Comment Type TI	-			Editoria		
Maintenance Reques	at #1276 not implemented in draf	t		Clause 33 is marl	t the scope of changes					
SuggestedRemedy	D (#4070			5	se material is so drama changes from the rea			ete replacement? It		
Implement Maintenar	nce Request #1276			SuggestedRemedy						
Response ACCEPT IN PRINCIF	Response Status W			Please provide proper markup for Clause 33 changes. Right now, it is not reated tell what the changes are and comment on the changes correctly.						
OBE by 5				Response	Response Sta	tus W				
			# 156	REJECT.						
same text and subcla	Broadcom Limi Comment Status R ting Clause 33 and this Clause 3 ause numbers. As such, I cannot	been changed from	proceeded in the draft 1.5 only to d entire clause in e	iscover that changes v	ocedure with vere imposs ar was a co	h individual editi ible to track sinc ntinous strip dov	instructions through we had touched the wn the right side of the			
	nd what remains the same. Mod hanging existing clauses: i.e., ec			CI 33 SC 33		P 41	L 1	# 350		
text, etc.		in ing moti doi	ionio ana adamig, aoromig	Yseboodt, Lennart	Р	hilips				
SuggestedRemedy				Comment Type E	Comment Sta	tus A		Editoria		
As per comment.				We have multiple	variants of the One Tr	ue "ICon-2F	-unb" in the doo	2.		
Response	Response Status C			My logic is this:						
REJECT.				- Put "-2P" at the	end, except if the suffi s for suffixes, except if					
	substantial that it warrants a com			SuggestedRemedy						
	ent procedure with individual edit ges were impossible to track sin			Replace all "ICon	_2P_unb", "ICon-2P_u	inb" and suc	h by the One Tr	ue "ICon-2P-unb"		
	nge bar was a continous strip do nade the draft impossible to read		side of the page. All of	Response	Response Sta	tus W				

ACCEPT.

CI 33 SC 33	P 41	L 4 # [3	3	CI 33	SC 33.1	P 41	L 4	# 5
Carlson, Steven	HSD/Robert Bosch			Jones, Chad		Cisco		
	Comment Status R entire clause with the diff against th I what has actually changed due to			This was	r submits this sumbitted a	Comment Status A s on behalf of maintenance. T gainst 33.1 but also applies to	o 1.4 and 1.5	,
SuggestedRemedy Provide a diff that mak	es it easier to determine what has o	changed.			and 'PoE' do	2012 keywords include 'Powe o not appear anywhere within		
Response REJECT.	Response Status U			00	he following r	new definition in alphanumeri	c order to IEEE	Std 802.3 subclause 1.4
proceeded in the norm draft 1.5 only to discov entire clause in essand	substantial that it does warrant a complete replacement. We rmal amendment procedure with individual editing instructions through over that changes were impossible to track since we had touched the ance. The change bar was a continous strip down the right side of the ing markups made the draft impossible to read as well.			PSE and 802.3, C	one PD that ause 33).	ower over Ethernet (IEEE 80. provides power across balar	nced twisted-pair	cabling. (See IEEE Std
page. All of the editing		ie io reau as well.		Abbrevia		new definition in alphanumeri	C Order to IEEE	Sta 802.3 Subciause 1.5
				[3] Modif follows:	y the first par	agraph of IEEE Std 802.3 su	bclause 33.1 'Ov	verview' to read as
				Ethernet consists Sourcing defined i	(PoE) syster of two option Equipment (n Clause 25 a	e functional and electrical ch n for deployment over balanc al power (non-data) entities, PSE), for use with the MAU and Clause 40. These entities ic cabling as is used for data	ced twisted-pair of a Powered Devid defined in Clause s allow devices t	cabling. The system ce (PD) and Power e 14 and the PHYs
				Response		Response Status C		

ACCEPT.

CI 33	SC 33.1	P 41	L 12	# 333		C/ 33	SC 33.1
Law, David	b	HPE				Booth, Bra	d
Comment	Туре Т	Comment Status A			PHYs	Comment	Туре Е
(non-c and th	lata) entities f le PHYs defined earagraph 2.5GB	this subclause states that 'Th for use with the MAU defined in in Clause 25, Clause 40, and BASE-T and 5GBASE-T PHYs	n Clause 14 I Clause 55.' hov	vever as stated in		statem publisł	atement "This c lent for any clau ned as a stand-a amendment pro
Suggested	dRemedy					00	the sentence.
		Clause 25, Clause 40, and 126, and Clause 55.'.	Clause 55.' is cł	nanged to read ' C	lause	Response	the sentence.
Response		Response Status C				REJEC	CT.
ACCE	PT IN PRINCIP	LE.				The ac	dmendment is n
Is ther	e a reason they	are not in numberical order?				CI 33	SC 33.1
Chano	ge text ' Clause	e 25, Clause 40, and Clause 5	55.' is changed to	o read ' Clause 25		Stover, Da	vid
		, and Clause 126.'.	0			Comment	
C/ 33 Zimmerma	SC 33.1 an, George	P 41 CME Consult	L 12	# 94		"b) The cabling	e characteristics 9"
Comment		Comment Status A			PHYs	Why is	there a non-sta
		e 126 (802.3bz, which will pre	cede this ameno	dment) are also de		used?	
		PHYs are called out on line 18				Why is	the term devic
Suggested	dRemedy					Suggested	Remedy
Chang	ge "and Clause 5	55" to "Clause 55, and Clause	126"			Chang	
Response		Response Status W				b) The cabling	characteristics
ACCE	PT IN PRINCIP	LE.				c) A pr	otocol allowing
OBE b	by 333					e) A m	hods to classify ethod for power ocate power
						c) A pr d) Met	characteristics otocol allowing hods to classify ethod for PDs a
						Response	
						ACCE	PT.

clause uses several terms defined in Clause 1.4." is a blanket ause in the 802.3 standard or draft standard. If this specification is d-alone amendment, readers of this amendment may assume that 1.4 rovides all the definitions of the necessary terms which is not correct. Response Status C not published as a stand alone document. P **41** L 22 # 491 Linear Technology Comment Status A Editorial cs of a powered device's load on the power source and the structured standard capitalization and why is the just defined PD acronym not ice used instead of PD? s of a powered device's load on the power source and the structured g the detection of a device that requests power from a PSE fy devices based on their power needs rered devices and power sourcing equipment to dynamically negotiate s of a PD's load on the power source and the structured cabling g the detection of a PD that requests power from a PSE fy PDs based on their power needs and PSEs to dynamically negotiate and allocate power Response Status C

P 41

Microsoft

Comment Status R

L 15

533

Editorial

Cl 33 SC 33.1.2 P43 L17 # $[35]$ Zimmerman, George CME Consulting, Aqua Comment Type E Comment Status A Editorial Tile should be parallel to Figure 33-2 (and the rest of 802.3), CSMA/CD has been replaced by 'Ethernet'. Suggested/Remedy Change 'CSMA/CD to 'Ethernet' Response Response Status C ACCEPT. Cl 33 SC 33.1.2 P43 L17 # $[170]$ Change 'CSMA/CD to 'Ethernet' Class Comment Type E Comment Status A Editorial The tile of Figure 33-3 is not in line with those of Figures 33-1 and 33-2 or the changes made from 'EEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE 802.3 Ethernet LAN model' to 'IEEE 802.3 CSMA/CD LAN model' to 'IEEE									
Comment Type E Comment Status A Editorial Title should be parallel to Figure 33-2 (and the rest of 802.3), CSMA/CD has been replaced by "Ethernet". A SuggestedRemedy SuggestedRemedy Change "CSMA/CD" to "Ethernet". Comment Type TR Comment Type TR Response Response Status C ACCEPT. Circle Circle Circle Circle Circle The Title of Figure 33-3 in to in line with these of Figures 33-1 and 33-2 or the changes made from TitleE 802.3 CSMA/CD LAN model" to "IEEE 802.3 Ethernet LAN model" in the title of Figure 33-2, change "IEEE 802.3 CSMA/CD LAN model" to "IEEE 802.3 Ethernet LAN model" in the title of Figure 33-3 in and the soft Figure 33-3 in and the soft Figure 33-4 in the soft Figure 33-4 in and the soft Figure 3	C/ 33 SC 33.1.2			# 95	CI 33	SC 33	P 43	L 33	# 171
This should be parallel to Figure 33-2 (and the rest of 802.3), CSMA/CD has been replaced by "Ethemet" 1.2.6 says: "Unless otherwise stated, numerical limits in this standard are to be take act, with the number of significant digits and trailing zeros having no significance act, with the number of significant digits and trailing zeros having no significance. SuggestedRemedy Change "CSMA/CD" to "Ethernet" Consequencity trailing zeros status don to be show. C133 SC 33.1.2 P 43 L 17 # [170] C133 SC 33.1.2 P 43 L 17 # [170] Comment Type E Comment Status A Editorial Comment Type E Comment Status A Editorial SuggestedRemedy In the title of Figure 33.4: and the of Figure 33.4: and the sof	Zimmerman, George	CME Consul	ting, Aqua		Anslow, P	ete	Ciena		
by "Elternet" SuggestedRemedy Change "CSMACD" to "Ethernet" Response Response Status C ACCEPT. 2/ 33 SC 33.1.2 P43 L17 # 170 2/ 30 SC 33.1.3 P43 L31 # 151 2/ 30 SC 33.1.3 P43 L31 # 151 2/ 30 SC 33.1.3 P43 L31 # 151 2/ 33 SC 33.1.3 CP43 L36 # 174 2/ 33 SC 33.1.3 CP43	Comment Type E	Comment Status A		Editorial	Comment	Type TR	Comment Status A		Editoria
Change 'CSMA/CD' to 'Ethernet' Response Response Status C ACCEPT. Cites Ciena		el to Figure 33-2 (and the rest	t of 802.3), CSM	A/CD has been replaced	exact,	with the numb	per of significant digits and tra	iling zeros having	no significance."
Charge Connect to Enternal Response Response Status C ACCEPT. 7/3 SC 33.1.2 P43 L17 # [170] Anslow, Pete Clena Editorial Seponse Accept and those of Figures 3.3:1 and 33-17, Equation 33-17, Equation 33-18, Equation 33-18, Equation 33-38, Eq	SuggestedRemedy						g zeros (after the decimal poir	it) should not be s	snown.
desponse Response Status C ACCEPT. Table 33-1, Table 33-1, Table 33-10, Table 33-10, Table 33-11, Page 96 line 7, Table 33-13, Table 33-24, Table 33-14, Table 33-17, Equation 33-18, Equation 33-18, Equation 33-18, Equation 33-18, Equation 33-17, Equation 33-18, Equation 33-18, Equation 33-17, Equation 33-17, Equation 33-18, Equation 33-18, Equation 33-18, Equation 33-18, Equation 33-18, Equation 33-17, Equation 33-18, Equation 33-17, Equation 33-18, Equation 33-16, Equation 33-36, Equation 33-37, Equation 33-38, Equation 33-39, Equation 33-19, Table 33-10, Table 33-1	Change "CSMA/CD"	to "Ethernet"			00				
Cl 33 SC 33.1.2 P 43 L 17 # 10 Anslow, Pete Ciena Ciena Table 33-23, Table 33-24, Table 33-24, Table 33-24, Table 33-24, Table 33-25, Table 33-33, Equation 33-34, Equation 33-36, Equation 33-37, Equation 33-37, Equation 33-38, Equation 33-38, Equation 33-37, Equation 33-37, Equation 33-38, Equation 33-38, Equation 33-38, Equation 33-37, Equation 33-38, E	•	Response Status C			Table Table	33-1, Table 3 33-13, Table 3	3-8, Table 33-9, Table 33-10, ` 33-14, Table 33-15, Table 33-	Table 33-11, Pag 17, Equation 33-	11, Equation 33-14,
The tile of Figure 33-3 is not in line with those of Figures 33-1 and 33-2 or the changes made from "IEEE 802.3 CSMA/CD LAN model" to "IEEE 802.3 Ethernet LAN model" in the most recent revision project. Response Status W Suggested/Remedy In the tile of Figure 33-2, change "IEEE 802.3 CSMA/CD LAN model" to "IEEE 802.3 Ethernet LAN model" Add section before 33.1.3, with tile "Significant Digits" with text: Numerical values in Clause 33 do not conform to the convention in 1.2.6. The values have been defined accuracy of three significant digits. Leading and trailing zeroes have significante an values have been rounded to the proper significant digits. Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE. OBE by 95 Ci 33 SC 33.1.3 P 43 L 31 # [351] Comment Type E Comment Status A Table 33.1 in 33.1.3, there is a table footnote with "Minimum Cabling Type". Editorial This footnote points to 33.1.3.1 and 33.1.3.2 do we really need to point the reader to what is essentially the next page ? Suggested/Remedy Suggested/Remedy Suggested/Remedy Make all 6 references in the botton 3 rows of Table 33-1 black Response Status C ACCEPT.		Ciena	L 17	# 170	21, Ta 33-29	able 33-22, Tal , Table 33-30,	ble 33-23 Table 33-24, Table Table 33-31, Table 33-32, Ta	33-25, Table 33-2 ble 33-33, Equati	26, Table 33-28, Table on 33-34, Equation 33-
SuggestedRemedy In the title of Figure 33-2, change "IEEE 802.3 CSMA/CD LAN model" to "IEEE 802.3 Ethernet LAN model" Response Response Status CI 33 SC 33.1.3 P43 L 31 J 351 Yseboodt, Lennart Philips Comment Type E Comment Status A Table 33-1 in 33.1.3, there is a table footnote with "Minimum Cabling Type". Editorial SuggestedRemedy Nitis essentially the next page ? SuggestedRemedy Make all 6 references in the botton 3 rows of Table 33-1 black Response Response Status C Anslow, Pete Ciena Comment Type E Comment Status Table 33-1 in 33.1.3, there is a table footnote with "Minimum Cabling Type". This footnote points to 33.1.3.1 and 33.1.3.2 do we really need to point the reader to what is essentially the next page ? Make all 6 references in the botton 3 rows of Table 33-1 black SuggestedRemedy . Response Response Status C ACCEPT. ACCEPT. ACCEPT. ACCEPT.	The title of Figure 33 made from "IEEE 80	-3 is not in line with those of F 2.3 CSMA/CD LAN model" to	igures 33-1 and "IEEE 802.3 Eth	33-2 or the changes	ACCE	PT IN PRINC	IPLE.	aits" with text: Nu	imerical values in
OBE by 95 Cl 33 SC 33.1.3 P 43 L 36 # 174 Cl 33 SC 33.1.3 P 43 L 36 # 174 (seboodt, Lennart Philips Cionant	In the title of Figure 3 Ethernet LAN model' Response	Response Status C	MA/CD LAN mo	del" to "IEEE 802.3	Claus accura values values	e 33 do not co acy of three sig s have been ro s provided fron	nform to the convention in 1.2 gnificant digits. Leading and tr bunded to the proper significar n the included equations.	.6. The values have ailing zeroes have	ave been defined with an e significance and some
C/ 33 SC 33.1.3 P 43 L 31 # 351 Yseboodt, Lennart Philips Philips Comment Type E Comment Status A Comment Type E Comment Status A Editoiral Table 33-1 in 33.1.3, there is a table footnote with "Minimum Cabling Type". Editoiral This footnote points to 33.1.3.1 and 33.1.3.2 do we really need to point the reader to what is essentially the next page ? SuggestedRemedy Make all 6 references in the botton 3 rows of Table 33-1 black SuggestedRemedy - Remove table 33-1 footnote 2 - Decapitalize to 'Minimum cabling type' and 'Nominal highest current per pair' ACCEPT.	ACCEPT IN PRINCI	PLE.			Add I	DL review an	a update significant digits.		
C/ 33 SC 33.1.3 P 43 L 31 # 351 Arseboodt, Lennart Philips Philips Comment Type E Comment Status A Editoiral Table 33-1 in 33.1.3, there is a table footnote with "Minimum Cabling Type". Editoiral Editoiral SuggestedRemedy This footnote points to 33.1.3.1 and 33.1.3.2 do we really need to point the reader to what is essentially the next page ? Nake all 6 references in the botton 3 rows of Table 33-1 black SuggestedRemedy - Remove table 33-1 footnote 2 - Decapitalize to 'Minimum cabling type' and 'Nominal highest current per pair' Comment Per pair'	OBE by 95				C/ 33	SC 33.1.3	P 43	L 36	# 174
Comment Type E Comment Status A Editorial Table 33-1 in 33.1.3, there is a table footnote with "Minimum Cabling Type". SuggestedRemedy Make all 6 references in the botton 3 rows of Table 33-1 black This footnote points to 33.1.3.1 and 33.1.3.2 do we really need to point the reader to what is essentially the next page ? Make all 6 references in the botton 3 rows of Table 33-1 black SuggestedRemedy - Remove table 33-1 footnote 2 - Decapitalize to 'Minimum cabling type' and 'Nominal highest current per pair' ACCEPT.			<i>L</i> 31	# 351	Comment	Туре Е	Comment Status A	\/TIA-568" should	Editoria
what is essentially the next page ? Response Response Status C SuggestedRemedy ACCEPT. - Remove table 33-1 footnote 2 - Decapitalize to 'Minimum cabling type' and 'Nominal highest current per pair'	51		"Minimum Cablir		Suggested	dRemedy			
SuggestedRemedy - Remove table 33-1 footnote 2 - Decapitalize to 'Minimum cabling type' and 'Nominal highest current per pair'			we really need to	point the reader to			Response Status C		
- Decapitalize to 'Minimum cabling type' and 'Nominal highest current per pair'	SuggestedRemedy				AUUL				
			nal highest curre	ent per pair'					
Response Response Status C ACCEPT.	Response ACCEPT.	Response Status C							

Pa **43** Li **36**

CI 33	SC 33.1.3	P 43	L 42	# 9	CI 33	SC 33.1.3	P 43	L 50	# 96
lones, Chao	d	Cisco			Zimmerman	George	CME Consul	ting, Aqua	
Comment T	ype E	Comment Status A		Editorial	Comment T	vpe TR	Comment Status R		Cabli
item 3 b this refe S <i>uggested</i> R	below the table erence belongs Remedy	4 entry under the PSE type co . This note refers to TSB-184- as information on the cabling 3' on row 4 from column 1 to c	A, which is a ca column.	erscript reference to bling spec. Therefore	in the he the curr 33.1.3.1 requirer	eader on Tabl ent per pair.) In other plac hent)	on one twisted pair, or is it the e 33-1? In the discussion in t Everywhere else, it is the nom ces it is unclear (e.g., Table 33	his paragraph, it inal highest curr	appears that lcable is rent per pair (see, e.g.,
Response		Response Status C			SuggestedF	•			
ACCEP	T IN PRINCIP		gle textual Note	below the table.	first sen lines 51 current"	ence of line s and 54, chan respectively	ximum current per pair, chang 50, and on line 51, change "so ge "(+Icable)" and (-ICable) to in both places. If Icable isn't	ource Icable" to " positive currer the maximum c	source current", and nt" and "negative urrent, then more
CI 33	SC 33.1.3	P 43	L 46	# 322			e required to Table 33-1, and It is unclear which usage the		
Shariff, Mas	ood	CommScope			Response		Response Status W		
Comment Ty Refer to	<i>ype</i> ER	Comment Status A nts as well		Cabling	REJEC				
SuggestedF	Remedy				This is I	egacy text. T	his needs to submitted as a m	aintenance requ	uest.
Change	:	ation, see TIA TSB-184-A.			Icable is	the maximur	n nominal current per pair.		
To 3For ad	ditional inform	ation, see ISO TR 29125 and	TIA TSB-184-A						
Response		Response Status W							
ACCEP	T IN PRINCIP	LE.							
OBE by	534								
CI 33	SC 33.1.3	P 43	L 47	# 534					
Flatman, Ala	an	LAN Technolo	ogies						
Comment T	ype E	Comment Status A		Editorial					
	ent, ISO/IEC T	8-1 refers to TIA TSB-184-A. It R 29125 Edition 2, which is ex							
SuggestedF	Remedy								
Add refe	erence to ISO/	IEC TR 29125 Edition 2.							
Response		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: Page, Line

Pa **43** Li **50**

C/ 33 SC : Jones, Chad	33.1.3	P 43 Cisco	L 50	# 6	C/ 33 SC 33.1.3 Shariff, Masood	P 43 CommScope	L 50	# 323
	mits this on I	Comment Status A behalf of maintenance. Thi mitted against 33.1.3 but a			Comment Type T Non standard terminolo together, which will be	Comment Status A bgy. Multi-twisted pair cable im a very poorly balanced cable.	plies all condu	ctors are twisted
	4) 5) 26) y placed in tl terms, They	ne definitions clause of the are parameters, as such t			SuggestedRemedy Change: multi-twisted pair cable To: twisted-pair cable.			
	be changed s to be move adjacent to I	ed to appropriate placemer cable definition in 33.1.4.			Response ACCEPT IN PRINCIPI OBE by 147	Response Status C E.		
Response ACCEPT IN F	PRINCIPLE.	Response Status C						
Editorial licen C/ 33 SC : Maguire, Valerie	se given. 33.1.3	P 43 Siemon	L 50	# [147				
	pair cable" i	Comment Status A s not a generally recognize "twisted" and "pair".	ed term for bala	Editorial nced twisted-pair cable.				
SuggestedRemed Replace "mult		ir cable" with "balanced tw	isted-pair cable	'.				
Response		Response Status C						

ACCEPT.

Pa **43** Li **50**

I/33 SC 33.1.3 P 44 L 1 # 492 tover, David Linear Technology	C/ 33 SC 33.1.3.1 P 44 L 27 # 140 Grow, Robert RMG Consulting						
omment Type T Comment Status A Cabling	Comment Type ER Comment Status A Editoria						
The text carefully distinguishes between DC loop resistance and DC pair loop resistance, stating this clause uses only DC pair loop resistance.	The note is somewhat vague but indicates the possibility that publication publication editors might do an update to a normative reference.						
Furthermore the resistance is described as the path from the PSE PI to the PD PI. It is actually the round trip path.	SuggestedRemedy Change note to indicate update reference prior to final Sponsor ballot recirculation, and indicate if that action is conditional on approval or TSB-184-A.						
Then the text refers to the wrong one	Response Response Status W						
"The cable references use "DC loop resistance," which refers to a single conductor. This clause uses "DC pair loop resistance," which refers to a pair of conductors in parallel. Therefore, RCh is related to, but not equivalent to, the "DC loop resistance" called out in	ACCEPT IN PRINCIPLE. OBE by 10						
the cable references.	C/ 33 SC 33.1.3.1 P 44 L 27 # 141						
RChan is the actual DC loop resistance between the PI of the PSE and the PI of the PD.	Grow, Robert RMG Consulting						
RChan has a maximum value of RCh/2 when operating in 4-pair mode.	Comment Type ER Comment Status A Editoria						
RChan-2P is the actual DC loop resistance of a pairset from the viewpoint of the PSE PI and the PD PI. RChan-2P has a maximum value of RCh."	I find it inconsistent that a place holder for 1.3 is included in the document, yet there is no placeholder for Annex A where this note indicates a plan to either insert a bibliography						
ggestedRemedy	entry for TSB-184-A, or update the current bibliography entry. SuggestedRemedy						
Change RChan is the actual DC loop resistance between the PI of the PSE and the PI of the PD. RChan has a maximum value of RCh/2 when operating in 4-pair mode.	Add Annex A changes to the draft indicating in an editor's note the intended update or insert. If updating the reference, assure no other projects or published standards text points to existing reference.						
RChan-2P is the actual DC loop resistance of a pairset from the viewpoint of the PSE PI and the PD PI. RChan-2P has a maximum value of RCh.	Response Response Status W ACCEPT IN PRINCIPLE.						
to	OBE by 88						
RChan is the actual DC loop pair resistance between the PI of the PSE and the PI of the PD and back to the PSE PI. RChan has a maximum value of RCh/2 when operating in 4-	C/ 33 SC 33.1.3.1 P 44 L 27 # 155 Laubach, Mark Broadcom Limited Image: Comparison of the second sec						
pair mode. RChan-2P is the actual DC loop pair resistance of a pairset from the viewpoint of the PSE PI and the PD PI.	Comment Type E Comment Status A Editoria Incorrect format for editor's note. Change to correct format. Editoria						
RChan-2P has a maximum value of RCh.	SuggestedRemedy						
sponse Response Status C	As per comment.						
ACCEPT IN PRINCIPLE. Adopt changes shown in stover_03_0916-rchan.pdf	Response Response Status C ACCEPT IN PRINCIPLE.						
	OBE by 10						
PE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G MMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/v							

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa 44	Page 22 of
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	Li 27	9/16/2016
SORT ORDER: Page, Line		

CI 33	SC 33.1.3.1	P 44	L 27	# 10	CI 33	SC 3	3.2.1	P 45	L 14	# 11
Jones, Ch	nad	Cisco			Jones, Ch	ad		Cisco		
Comment	Туре Е	Comment Status A		Editorial	Comment	Туре	Е	Comment Status A		Edi
is exp	ected to be ratifi	now that it will be called TSB ed as is. Change reference ir			in this	table. To	o a brano	e topics in the headings r d new reader, this might ng them to their descript	be confusing and he	elping them understa
Suggestee	-				Suggested			ng mem to men descript	ions might be helpid	
Chang	ge reference in 3	3.1.3.1 to TSB-184-A and de	lete note.		00			1 to Range of maximum	Classes supported	Physical Laver
Response ACCE			add the superscript of 1 to Range of maximum Classes supported, Physical Layer Classification, and Data Link Layer Classification. Add the superscript of 2 to Short MPS support Add the superscript of 3 to Autoclass							
C/ 33	SC 33.1.3.2	P 44	L 36	# 321				ble 33-2:		
Shariff, Ma	asood	CommScope					Table 33	-12, and Table 33-13		
Comment	Type ER	Comment Status A		Editorial		33.2.10 33.2.7.3				
when per sta	used as an adje andard terminolo	ctive qualifyiing a noun, the tw ogy. On its own, it can be use	wisted-pair has t d as twisted pai	to be a hypenated word r.	Response ACCE			Response Status C		
Suggestee	dRemedy				AUOL					
chang	ge globally:				CI 33	SC 3	3.2.1	P 45	L 14	# 493
twiste	d pair cabling				Stover, Da	avid		Linear Te	echnology	
	a pair babiling				Comment		Е	Comment Status A		Edi
To:					The R	ange of	maximur	m Classes supported is	very confusing.	
twiste	d-pair cabling				A note	e would h	nelp.			
Response	9	Response Status W			Suggested	dRemedy	/			
ACCE	EPT IN PRINCIPI	_E.			Add					
OBE b	by 146				Note "	'1" symbo	ol after F	Range of maximum Clas	s supported column	heading
						pelow Ta cifies the		st of the range of class v	alues that a PSE mu	ust support.
					Response			Response Status C		
					ACCE	PT IN PI	RINCIPL	.E.		
					OBE t	oy 11				

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

Pa **45** Li **14**

Inment Type E Comment Status A Editorial The description of Endpoint and Midspan PSE locations does not include 4-pair Alternatives. IngestedRemedy Change Alternate A and Alternative B Endpoints PSEs and Midspan PSEs	Having the "or" ma the same as the 2. this to just "10GBA SuggestedRemedy	BASE-T" - the nomenclature else ikes this look like it may or may n 5G or 5G Midspans. It is also ind ISE-T" midspans or " so that it reads "10GBASE-T	where is just to lis ot support 10G, v consistent with 33	which would make it
The description of Endpoint and Midspan PSE locations does not include 4-pair Alternatives. gestedRemedy Change	"2.5G, 5G, or 10GE Having the "or" ma the same as the 2. this to just "10GBA SuggestedRemedy Delete "2.5G, 5G, o	BASE-T" - the nomenclature else ikes this look like it may or may n 5G or 5G Midspans. It is also ind ISE-T" midspans or " so that it reads "10GBASE-T	ot support 10G, v consistent with 33	which would make it
Change	SuggestedRemedy Delete "2.5G, 5G, o	or " so that it reads "10GBASE-T	Midspan PSE".	
6	Delete "2.5G, 5G, 0		Midspan PSE".	
	Response			
to Various Endpoints PSEs and Midspan PSEs		Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
ponse Response Status C	ACCEPT.			
ACCEPT IN PRINCIPLE.	C/ 33 SC 33.2 .2	2 <i>P</i> 47 HPE	L 2	# 334
Change to: "various Endpoint and Midspan PSEs"		Comment Status A		Editorial
33 SC 33.2.3 P 45 L 44 # 495	Comment Type E Suggest Figures 33 33-8.	3-4, 33-5, 33-7 33-933-10 and 33	-11 be redrawn ir	
ver, David Linear Technology	SuggestedRemedy			
nment Type E Comment Status A Editorial	See comment.			
The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.	Response ACCEPT.	Response Status C		
gestedRemedy				
Either delete all the text from 33.2.3 (not the figures). Move Figures 33-4 thru 33-11 to 33.2.2.	C/ 33 SC 33.2.4 Stover, David	4 P 53 Linear Techno	L 37 ology	# 496
or	Comment Type T	Comment Status A		Cabling
Add paragraphs to 33.2.3 describing the 4-pair Midspan variants. Move Figures 33-4 thru 33-7 up to section 33.2.2.	What does this me transmit pair of the	an? "Therefore, Alternative A ma PSE."	tches the positive	e voltage to the
ponse Response Status C ACCEPT IN PRINCIPLE.	1000BASE-T allow best imprecise.	vs bidirectional traffic on all lanes.	Thus the referen	iced statement is at
	SuggestedRemedy			
Section 33.2.3 to be updated with "and Figure 33-10" after "See Figure 33-8" and "and Figure 33-11" after "See Figure 33-9" in all locations.	Delete			
	"Therefore, Alterna	tive A matches the positive voltage	ge to the transmi	t pair of the PSE."
	Response	Response Status C		
	ACCEPT IN PRINC	CIPLE.		
	add " in legacy sys referenced in comr	tems, such as 10BASE-T and 10 ment.	0BASE-Tx." at ei	nd of sentence
PE: TR/technical required ER/editorial required GR/general required T/technical E/editorial	Classeral	Pa 53		Page 24 of 126

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn Li 37 9/16/2016 3:02:18 PM SORT ORDER: Page, Line

Cl 33 SC 33.2.5.1 P 54 L 18 # 497	C/ 33 SC 33.2.5.1.1 P 55 L 6 # 352
Stover, David Linear Technology	Yseboodt, Lennart Philips
Comment Type E Comment Status A Editorial	Comment Type E Comment Status A Editoria
Groups of states like Detection and referred to by description instead of state name due to the multiplicity of underlying states. The same should be done for the power on and up states.	", at which point the semi-independent state diagrams for the Primary and Secondary pairset become active."
SuggestedRemedy	That should be Alternative rather than pairset.
Change	SuggestedRemedy
POWER_UP and POWER_ON	", at which point the semi-independent state diagrams for the Primary and Secondary Alternative become active."
to Power Up and Power On	Response Response Status C ACCEPT.
Response Response Status C	
ACCEPT IN PRINCIPLE.	C/ 33 SC 33.2.5.1.1 P 55 L 11 # 353
Make all entries in the paranthesis lower case. Implement suggested remedy with lower	Yseboodt, Lennart Philips
case.	Comment Type E Comment Status A Editoria
Cl 33 SC 33.2.5.1.1 P 54 L 42 # 12	"Monitoring of MPS and inrush is handled by Figure 33-22 and Figure 33-23 respectively." is in a paragraph on its own, when it belongs to the dual-signature paragraph above it.
Jones, Chad Cisco	SuggestedRemedy
Comment Type E Comment Status D Editorial	Merge paragraphs.
Connection Check shows up with no explanation. We forget that the average reader won't know what these things are.	Response Response Status C ACCEPT.
SuggestedRemedy	ACCEFT.
add "(see 33.2.6.1)" after Connection Check	C/ 33 SC 33.2.5.2 P 55 L 15 # 101
Proposed Response Response Status Z	Zimmerman, George CME Consulting, Aqua
REJECT.	Comment Type E Comment Status A Editoria
This comment was WITHDRAWN by the commenter.	21.5 is an active cross reference that leads nowhere - should be external. Not really sure how Lennart did that! Same issue exists in 33.2.5.5 (P59), 33.2.5.10 (P73), 33.3.3.4 (P123), 33.3.3.8 (P127) and 33.3.3.13 (P133) for 14.2.3.2
	SuggestedRemedy
	Make 21.5, and 14.2.3.2 external cross references
	Response Response Status C
	ACCEPT.

Page 9/16/2

C/ 33 SC 33.2.5.2 Anslow, Pete	<i>P</i> 55 Ciena	L 17	# 175		/ 33 eia, Christia	SC 33.2.5.4 In	P 55 STMicroelec	L 51 tronics	# 260
"this Clause" should be "this clau	ent Status A ise"		Ed	litorial Co	in figures	e1 and Type 2 33-13 and 33	Comment Status A variables are only relevant t -14. Variables with the same	e name but diffe	<i>Editorial</i> d Type 2 state diagrams rent definition may be
SuggestedRemedy Change "this Clause" to "this clau	use"			S	defined f uggestedR		diagrams, so the reader sho	uld be warned.	
Response Respon ACCEPT.	ose Status C				change:		ns use the following variable	s:	
C/ 33 SC 33.2.5.3 Zimmerman, George	P 55 CME Consultir	L 40 ng. Agua	# 102		The Type	e 1 and Type 2 to figures 33-1	PSE state diagrams use th 3 and 33-14:	e following varia	bles, which are only
, 0	ent Status A	.3,	Ed	litorial Re	esponse	IN PRINCIPL	Response Status C		
Subclauses for constants and va enough to just have this in the he PSE state diagrams", it should	eader, it needs to als	so be in the tex	t, rather than read "	n't The	OBE by	_	E.		
Alternatively, you can delete the Type 3 and Type 4 PSE state dia	one line of explanate			0	/ 33 eia, Christia	SC 33.2.5.5 in	P 59 STMicroelec	L 26 tronics	# 261
SuggestedRemedy Delete the one line of explanator State diagrams use the following 33.3.3.7, 33.3.3.11, and 33.3.3.1	" (or similar), sam			SE Ca	figures 3	e1 and Type 2 3-13 and 33-1	Comment Status A timers are only relevant to 4. Timers with the same nar other state diagrams, so the	ne and different	definition may be
	se Status C			Su	uggestedR		Siller State diagrams, so the		e wanned.
ACCEPT. C/ 33 SC 33.2.5.3 Beia, Christian	P 55 STMicroelectro	L 41	# 259		Add afte The Type	the first parag	graph the following sentence PSE state diagrams use th 3 and 33-14:		rs, which are only
	ent Status A	511103	Ed	litorial Re	esponse		Response Status C		
The Type1 and Type 2 constants		used only in the			ACCEPT	IN PRINCIPL	Е.		
state diagram in figure 33-13		·			OBE by	102			
change: The PSE state diagrams use the with: The Type 1 and Type 2 PSE sta	Ū		e following constants	5:					
Response Respon ACCEPT IN PRINCIPLE.	se Status C								
OBE by 102									

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: Page, Line

Pa **59** Li **26**

CI 33	SC 33.2.5.6	P 60	L 4	# 262	C/ 33	SC	33.2.5.6	P 61	L 3	# 354
Beia, Christia	n	STMicroelect	ronics		Yseboodt,	, Lenna	rt	Philips		
Comment Typ	be T	Comment Status A		Editorial	Comment	Туре	т	Comment Status A		Edito
diagram i	n figure 33-13	functions are only relevant to Timers with the same name diagrams, so the reader shou	e and different of		requir	ements	of a Type	owers a Type 1 PD, the PSE 1 PSE, but may choose to r .IM, TLIM, and PType (see ⁻	meet the electri	
SuggestedRe	emedy					Pa	rameter na	imes have changed.		
		33.2.5.6 the following sente		Maria and take and and a	Suggestee			inteo nave enangea.		
	o figure 33-13	PSE state diagrams use the	e following funct	tions, which are only	00			owers a Type 1 PD, the PSI	E shall meet the	e PI electrical
Response	IN PRINCIPL	Response Status C			requir	ements	of a Type	1 PSE, but may choose to r P, ILIM-2P, TLIM-2P, and P	meet the electri	ical requirements of a
	-	_ .			Response			Response Status C		
OBE by 1	02				ACCE	EPT.				
<i>Cl</i> 33 Beia, Christia	SC 33.2.5.6 n	P 60 STMicroelect	L 43 ronics	# 263	<i>Cl</i> 33 Beia, Chri		33.2.5.9	P 64 STMicroelect	L 41 ronics	# 264
Comment Typ	be E	Comment Status A		Editorial	Comment	Туре	т	Comment Status A		Editor
 SuggestedRe	emedy	nction definition has no inder			in figu be de	ires 33- fined fo	15 through or other sta	variables are only relevant to 33-23 Variables with the sa te diagrams, so the reader s	ame name but o	different definition may
function			,		Suggestee					
Response ACCEPT		Response Status C			The T	ype 3 a		33.2.5.9 the following sente PSE state diagrams use the 5 to 33-23:		ables, which are only
CI 33	SC 33.2.5.6	P 60	L 43	# 176	Response	9		Response Status C		
Anslow, Pete		Ciena			ACCE	PT IN	PRINCIPL	Ξ.		
Comment Typ The inder		Comment Status A	correct.	Editorial	OBE I	by 102				
SuggestedRe Fix indent	2									
Response ACCEPT	IN PRINCIPL	Response Status C E.								
OBE by 2	263									

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: Page, Line

Pa **64** Li **41**

SC 33.2.5.9 P 67 L 34 # 355 dt, Lennart Philips
nt Type T Comment Status A PSE SD able highest_2P is not used anymore. PSE SD PSE SD redRemedy PSE SD PSE SD
se Response Status C CEPT. SC 33.2.5.9 P 67 L 35 # 498 David Linear Technology
Internet Type T Comment Status A PSE SD hest_2P" is defined but never used. redRemedy ete
est_2P ariable indicating which of the pairsets has the highest current. ues the primary alternative has the highest current. the secondary alternative has the highest current. se Response Status C
CEPT IN PRINCIPLE. SE by 355
SC 33.2.5.9 P 69 L 30 # 99 man, George CME Consulting, Aqua mt Type E Comment Status A 4pair_cand not capitalized as in state diagram and other references SeedRemedy nge pd_4pair_cand to PD_4pair_cand See Response Status C CEPT IN PRINCIPLE. C C C wther variables beginning with "pd" are not capitalized. Let's be consistent. Int and to "pd_4pair_cand".
st ia n: C

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa 69	Page 28 of 126
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	Li 30	9/16/2016 3:02:18 PM
SORT ORDER: Page, Line		

Cl 33 SC 33.2.5.9 Schindler, Fred	P 69 Seen Simply,	L 30 Broadco	# 288	C/ 33 Darshan, Yai	SC 33.2.5.9 r	P 69 Microsemi	L 54	# 234	
Comment Type TR The variable pd_4pair_c are incorrect. SuggestedRemedy Replace " and 4PID." COMMENT-3. Response ACCEPT IN PRINCIPLE	Comment Status A and is described in section with "PD 4PID, see 33.2.6.7 Response Status W	33.2.6.7. Refe		Comment Ty Dual-sig "pd_dll_f A contro indicates Type of I Values: 1: PD is 2: PD is 3: PD is 4: PD is	pe TR hature PDs are bower_type variable outpu- the PD as advertis a Type 1 PD (r a Type 2 PD a Type 3 PD a Type 4 PD"	Comment Status A e missing in the list: ut by the PSE power control ed through Data Link Layer of			PSE SD
in the DLL section and e SuggestedRemedy	P 69 Seen Simply, Comment Status A ype is not used in PSE state xist on page 181. ariable pd_dll_power_type of Response Status W	e diagrams. Th	# 287 PSE SD is definition is required	A contro indicates Type of Values: 1: PD is 2: PD is 3: PD is 4: PD is 5: PD is 6: PD is <i>Response</i>	to: power_type variable outpu the	signature PD signature PD" Response Status W		Figure 33–49) that	

OBE by 287.

Pa **69** Li **54**

CI 33 SC	33.2.5.9	P 72	L 44	# 500
Stover, David		Linear Techno	ology	
Comment Type	т	Comment Status A		Pres: Ysebood
The class_nu definitions.	um_events_	pri and _sec to not match the second s	he available enc	odings for the variable
Legal values	for pri/sec	are 1,2, 4		
SuggestedReme	dy			
Change Tabl 1,2,4	le 33-7 Type	e 3 row, _pri_sec column to		
Response		Response Status C		
AUGEI II.				
CI 33 SC	33.2.5.9	P 72	L 48	# 357
Yseboodt, Lenna	rt	Philips		
Comment Type	Е	Comment Status A		Editor
"Type 1 and capable of su	Type 2 PSE upporting.	s shall issue no more Clas		
			VPSE was at V	Reset for at least
		0 POWER_UP.		
00	2			
capable of su Type 3 and 1	upporting. Type 4 PSE	s shall issue no more class	events than the	Class they are capable
			vas at VReset fo	r at least TReset and a
Response		Response Status C		
ACCEPT IN	PRINCIPLE			
Implement s	uggested re	medy, but change "POWEF	R_UP" to "any of	the power up states"
	Stover, David Comment Type The class_m definitions. Legal values SuggestedReme Change Tab 1,2,4 Response ACCEPT. C/ 33 SC Yseboodt, Lenna Comment Type Format error "Type 1 and capable of st Type 3 and T capable of st TReset and a SuggestedReme "Type 1 and capable of st Type 3 and T capable of st Type 3 and T of supporting transition to Response ACCEPT IN	Stover, David Comment Type T The class_num_events_ definitions. Legal values for pri/sec a SuggestedRemedy Change Table 33-7 Type 1,2,4 Response ACCEPT. C/ 33 SC 33.2.5.9 Yseboodt, Lennart Comment Type E Format error with Capita "Type 1 and Type 2 PSE capable of supporting. Type 3 and Type 4 PSEs capable of supporting be TReset and a transition to SuggestedRemedy "Type 1 and Type 2 PSE capable of supporting be TReset and a transition to SuggestedRemedy "Type 1 and Type 2 PSE capable of supporting be transition to POWER_UF Response ACCEPT IN PRINCIPLE	Stover, David Linear Technol Comment Type T Comment Status A The class_num_events_pri and _sec to not match the definitions. Legal values for pri/sec are 1,2, 4 SuggestedRemedy Change Table 33-7 Type 3 row, _pri_sec column to 1,2,4 Response Response Status C ACCEPT. C/ 33 SC 33.2.5.9 P72 Yseboodt, Lennart Philips Comment Type E Comment Status A Format error with Capital letter in class events "Type 1 and Type 2 PSEs shall issue no more Class capable of supporting. Type 3 and Type 4 PSEs shall issue no more Class capable of supporting between the most recent time TReset and a transition to POWER_UP." SuggestedRemedy "Type 1 and Type 2 PSEs shall issue no more class capable of supporting. Type 3 and Type 4 PSEs shall issue no more class capable of supporting. Type 3 and Type 4 PSEs shall issue no more class capable of supporting. Type 3 and Type 4 PSEs shall issue no more class capable of supporting. Type 3 and Type 4 PSEs shall issue no more class of supporting between the most recent time VPSE w transition to POWER_UP." Response Response Status C ACCEPT IN PRINCIPLE. C	Stover, David Linear Technology Comment Type T Comment Status A The class_num_events_pri and _sec to not match the available enc definitions. Legal values for pri/sec are 1,2, 4 SuggestedRemedy Change Table 33-7 Type 3 row, _pri_sec column to 1,2,4 Response Response Status C ACCEPT. C/ 33 SC 33.2.5.9 P 72 L 48 Yseboodt, Lennart Philips Comment Type E Comment Status A Format error with Capital letter in class events "Type 1 and Type 2 PSEs shall issue no more Class events than the capable of supporting. Type 3 and Type 4 PSEs shall issue no more class events than the capable of supporting between the most recent time VPSE was at V SuggestedRemedy "Type 1 and Type 2 PSEs shall issue no more class events than the capable of supporting. Type 1 and Type 4 PSEs shall issue no more class events than the capable of supporting. Type 1 and Type 4 PSEs shall issue no more class events than the of supporting. Type 3 and Type 4 PSEs shall issue no more class events than the of supporting. Type 3 and Type 4 PSEs shall issue no more class events than the of supporting. Type 3 and Type 4 PSEs shall issue no more class events than the of supporting. Type 3 and Type 4 PSEs shall issue no more class events than the of suppo

Pa **72** Li **48**

Cl 33 SC 33.2.5.9 Zimmerman, George	P 72 CME Consulti	<i>L</i> 49 ng, Agua	# 103	C/ 33 Beia, Chris	SC 33.2.5.1 0 stian		L 2 roelectronics	# 265
Comment Type E	Comment Status A	0, 1	Editorial	Comment	Tvpe T	Comment Status	Α	Editoria
Class events is capitaliz	zed inconsistently - all other i case (there are a LOT of thes			The Tr in figu	ype 3 and Type res 33-15 throug		ne same name an	and Type 4 state diagrams d different definition may be Ild be warned.
SuggestedRemedy				Suggested	dRemedy			
Replace "Class events"	with "class events" (2 instan	ices here)				graph the following se		
Response	Response Status C				ype 3 and Type int to figures 33-	4 PSE state diagrams 15 to 33-23:	use the following t	imers, which are only
ACCEPT IN PRINCIPLI	Ξ.			Response	1	Response Status	с	
OBE by 357				ACCE	PT IN PRINCIP	LE.		
C/ 33 SC 33.2.5.9	P 72	L 52	# 198	OBE t	oy 102			
Darshan, Yair	Microsemi			C/ 33	SC 33.2.5.1	I P 75	L 5	# 266
Comment Type TR	Comment Status A		PSE SD	Beia, Chris			roelectronics	
capable of supporting b TReset and a transition	Es shall issue no more Class etween the most recent time to POWER_UP. For exampl power management mode or	VPSE was at V e, this would ap	/Reset for at least oply to a PSE that is	<i>Comment</i> The Tr in figu	<i>Type</i> T ype 3 and Type res 33-15 throug		evant to the Type	<i>Editoria</i> 3 and Type 4 state diagram d different definition may be ed.
Doe's "power managerr SuggestedRemedy	nent mode" I believe that this	term is not defi	ned.		beginning of 33	.2.5.11 add the followir 4 PSE state diagrams		unctions, which are only
	r management mode" or defir	ne/clarify it.			nt to figures 33-		uee the renering .	
Response	Response Status C			Response		Response Status	с	
ACCEPT IN PRINCIPLI	Ξ.			ACCE	PT IN PRINCIP	LE.		
				OBE b				

Pa **75** Li **5** C/ 33 SC 33.2.5.11 P75 L7 # 501 C/ 33 P75 # 503 SC 33.2.5.11 L 11 Stover, David Stover, David Linear Technology Linear Technology Comment Type Е Comment Status A Editorial Comment Type T Comment Status A PSE SD There are no function definitions with _done suffixes. Only function references are treated The pd_autoclass term is never read by the state machine. Also the mr_pd_autoclass as such. detected variable name is missing an underscore. SuggestedRemedy SuggestedRemedy Change Remove Functions appended with " done" indicate that the function has completed pd_autoclass: This variable indicates whether the PD requests Autoclass during Physical Layer classification. to Function references appended with " done" indicate that the function has completed pd autoclass is set to True when a class signature if '0' is detected during the TACS window, as defined in Table Response Response Status C ACCEPT. 33-27. otherwise it is set to False. Values: CI 33 SC 33.2.5.11 P 75 L 9 # 502 FALSE: The PD does not request Autoclass. TRUE: The PD requests Autoclass. Stover, David Linear Technology Comment Type Е Comment Status A Editorial Change mr_pd_autoclass detected: "This functions returns..." There can be only one do_autoclassification function. to SuggestedRemedy mr_pd_autoclass_detected: Change Response Response Status C This functions returns ACCEPT IN PRINCIPLE. to Change This function returns mr_pd_autoclass detected: Response Response Status C to ACCEPT. mr_pd_autoclass_detected: Add to TDL: Yseboodt, pd_autoclass usage needs to be defined (in state diagram or text

or both).

IEEE P802.3bt D2.0 4-Pair PoE Initial Working Group ballot comments

Pa **75** Li 11

C/ 33 SC 33.2.5.11 Yseboodt, Lennart	P 75 Philips	L 1 2	# 388	C/ 33 SC Yseboodt, Lenn	C 33.2.5.11 art	P 75 Philips	L 12	# 389	
Spelling mistake "pd_autoclass is set to True when window, as defined in Table 33-27, "if" should be "of" SuggestedRemedy Change to: "pd_autoclass is set to True when window, as defined in Table 33-27,	otherwise it is set a class signature c	to False." f '0' is detected o	J	T_CLass_A Also refers SuggestedRem - Replace T	oclassificatio CS. to wrong Tal e <i>dy</i> _ACS by T_	Comment Status A on text refer to T_ACS. That is ole. Class_ACS (2x) by Table 33-15 <i>Response Status</i> C	the PD parameter,	we need	PSE SD
Response Response ACCEPT IN PRINCIPLE. OBE by 503 Cl 33 SC 33.2.5.11	P 75	L 12	# 199	Stover, David Comment Type	E a class sign	P 75 Linear Technolo Comment Status A ature if '0' is detected" Typo.		# 504	Editoria
"pd_autoclass: This variable indica Layer classification. pd_autoclass i during the TACS window, as define The **if** is redundant.	is set to True wher	i a class signatu	re **if** '0' is detected	SuggestedRem Change True when a to True when o	edy a class signa class signati	ature if '0' is detected ure '0' is detected DBE by another do_autoclassif			
SuggestedRemedy Delete the **if**. Response Response ACCEPT IN PRINCIPLE. change "if" to "of"	e Status C			Response ACCEPT IN OBE by 199		Response Status C	ication comment.		

Pa **75** Li **12**

Stover, David Linear Technology Comment Type T Comment Status A PSE SD do_class_reset should be split into pri and sec versions. SuggestedRemedy Change do_class_reset This function produces the classification reset voltage; See VReset in Table 33–15. This function does not return any variables. to do_class_reset_pri This function produces the classification reset voltage on the Primary Alternative; See VReset in Table 33–15. This function produces the classification reset voltage on the Primary Alternative; See VReset in Table 33–15. This function does not return any variables.	Stover, David Linear Technology Comment Type ER Comment Status A PSE SD Enumeration of pd_req_pwr_sec is 0-4, should be 1-5 (as pd_req_pwr_pri). SuggestedRemedy Change enumeration of pd_req_pwr_sec to 1-5. Response Response Status W ACCEPT. C/ 33 SC 33.2.5.12 P 79 L 10 # 391 Yseboodt, Lennart Philips PSE SD In the IDLE state a large number of variables are initialized. It is batter to continue of pd_requeble list
Change do_class_reset This function produces the classification reset voltage; See VReset in Table 33–15. This function does not return any variables. to do_class_reset_pri This function produces the classification reset voltage on the Primary Alternative; See	Change enumeration of pd_req_pwr_sec to 1-5. Response Response Status W ACCEPT. Cl 33 SC 33.2.5.12 P 79 L 10 # 391 Yseboodt, Lennart Philips Comment Type T Comment Status R PSE SD In the IDLE state a large number of variables are initialized.
do_class_reset_pri This function produces the classification reset voltage on the Primary Alternative; See	Yseboodt, Lennart Philips Comment Type T Comment Status R PSE SD In the IDLE state a large number of variables are initialized.
	In the IDLE state a large number of variables are initialized.
do_class_reset_sec This function produces the classification reset voltage on the Secondary Alternative; See VReset in Table 33–15. This function does not return any variables.	It is better to assign default values in the variable list. SuggestedRemedy
Response Response Status C ACCEPT.	 remove "sig_type <= open_circ" this variable is set by the do_cxn_chk function and does not need to be set remove "det_temp <= both_neither" and set both_neither as the default in the variable list remove "pse_dll_enabled <= FALSE" and set as FALSE as the default in the var list remove "iclass_lim_det <= FALSE" this is an input to the SD and should not get set by the SD
Comment Type TR Comment Status A The do_class_reset function is not used in the state diagram.	Response Response Status C REJECT.
do_class_reset_pri and _sec are. SuggestedRemedy Rename do_class_reset to do_class_reset_pri and add "on the Primary Alternative" before the semicolon. Add similar do_class_reset_sec.	Making them default values would not reassign them to these values if the state diagram transistioned back to IDLE after it had been running, right?
Response Response Status W ACCEPT IN PRINCIPLE.	
OBE by 505	

Pa **79** Li **10**

Cl 33 SC 33.2.5 Wendt, Matthias	.12 P 79 Philips Lighti	L 19	# 36	CI 33 SC Zimmerman, Ge	33.2.5.12	P 80 CME Consulti	L 18 ng, Agua	# 108
Comment Type TR	Comment Status A	.9	Pres: Yseboodt6	Comment Type	TR	Comment Status A		PSE SL
yseboodt_02_0716	pinpointed in yseboodt_02_071 _sdfix.pdf			(mr_pse_alte (CC_DET_S	erantive = b SEQ = 1) * (s	perator on branch from DETE oth) * sig_pri = valid) " (note missing "*" after (sig.	_	
	e, the branch into START_CXN_ an be True simultaneously whe			SuggestedReme	ədy			
mr_pse_alternative Going through conr					SEQ = 1) * (s	erantive = both) * sig_pri = valid) *		
SuggestedRemedy				Response		Response Status W		
	T_SEQ = 0) + (CC_DET_SEQ app_pri + pwr_app_sec) *(mr_p			, ACCEPT.				
See yseboodt_02_0	716_sdfix_baseline.pdf			CI 33 SC	33.2.5.12	P 80	L 18	# 109
Response	Response Status C			Zimmerman, Ge	orge	CME Consulti	ng, Aqua	
ACCEPT IN PRINC	IPLE.					Comment Status A		Editorial
Adopt changes for a	all issues excepting 2-4 in ysebo	odt_06_0916_s	dfix_baseline.pdf	typo on bran		r_pse_alterantive = both"		
C/ 33 SC 33.2.5		L 18	# 33	00	,	ntive" to "mr_pse_alternative	"	
Picard, Jean	Texas Instrur	nents		Response		Response Status C		
Comment Type ER There is a typo error	Comment Status A r: mr_pse_alterantive = both		Editorial	ACCEPT IN	PRINCIPLE	Ξ.		
				OBE by 33				
SuggestedRemedy								
SuggestedRemedy Replace with this mr_pse_alternative	= both							
Replace with this	= both Response Status W							

Pa **80** Li **18**

C/ 33 SC 33.2.5.12 P 80 L 31 # 37 Wendt, Matthias Philips Lighting	C/ 33 SC 33.2.5.12 P 82 L 6 # 392 Yseboodt, Lennart Philips
Comment Type TR Comment Status A Pres: Yseboodt6 State diagram Figure 33–15: Issue #6 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf Pres: Yseboodt6	Comment Type TR Comment Status A PSE SD IDLE_PRI sets iclass_lim_det_pri when this should be an input to the SD. SuggestedRemedy Remove "iclass lim_det_pri <= FALSE" from the state IDLE_PRI
From DETECT_EVAL to IDLE (label A), parenthesis are missing around "(CC_DET_SEQ = 0) + (CC_DET_SEQ = 3)". Without these, the AND takes precedence over the OR.	Response Response Status C ACCEPT IN PRINCIPLE.
SuggestedRemedy	Remove "iclass_lim_det_pri <= FALSE" from the state IDLE_PRI
Add parenthesis. See yseboodt_02_0716_sdfix_baseline.pdf Response Response Status C ACCEPT IN PRINCIPLE.	Also, add "or do_classification is not active." to the end of the FALSE definition of iclass_lim_det_pri. Editor to implement similar changes for IDLE_SEC and IDLE if not covered by other comments.
OBE by 36	Cl 33 SC 33.2.5.12 P 82 L 10 # 238
C/ 33 SC 33.2.5.12 P81 L5 # 34	Darshan, Yair Microsemi
Wendt, Matthias Philips Lighting	Comment Type TR Comment Status R PSE SD
Comment Type TR Comment Status A Pres: Yseboodt6 State diagram Figure 33–15: Issue #1 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and Pres: Yseboodt6	In the exit from IDLE_PRI to START_DETECT_PRI it looks like the state machine will not progress if pwr_app_sec=0 since the exit is valid if !pwr_app_pri*pwr_app_sec. If the PD is dual-sig that accept power over 4-pairs then we should get to START_DETECT_PRI even if pwr_app_sec=0
yseboodt_02_0716_sdfix.pdf	SuggestedRemedy
From CLASS_EVAL to POWER_UP the condition is "pd_req_pwr < pse_avail_pwr" which has the effect that if the PSE has Class 1 available and the PD requests Class 1 the PSE will hang in CLASS_EVAL.	 Group to explain the intent. Add "Editor Note: Correct the state machine to allow progress from IDLE_PRI to START_DETECT_PRI regardless if there is power in primary pairs."
The same applies to Class 2.	Response Response Status C
SuggestedRemedy Changing it to "pd_req_pwr pse_avail_pwr" fixes the issue.	REJECT.
See yseboodt_02_0716_sdfix_baseline.pdf	Idle_pri is only reached after the secondary alt is powered.
Response Response Status C ACCEPT IN PRINCIPLE.	
OBE by 36	

Pa **82** Li **10**

In figure 33-16 Typo in paranthesis in two locations in CLASS_EVAL_PRI state. Suggested/Remedy Change from: IF (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid + pwr_app_sec)) THEN To: IF (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec)) THEN ACCEPT IN PRINCIPLE. Change to: IF (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec)) THEN If (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec)) THEN IF (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec)) THEN IF (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec)) THEN IF (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec)) THEN IF (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec)) THEN IF (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec)) Suggested/Remedy Replace WIT here: IF (pd_cls_4PID_pn ⁺ (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec)) Suggested/Remedy Replace WIT here: Replace VID ACCEPT IN PRINCIPLE. Comment Type TR Comment Status A PSE Using One unique PD_davir_cand variable can help simplify the state diagram, even if staggested/Remedy Suggested/Remedy Suggested/Remedy Replace YD_pair_cand_variad pri < TRUE ⁺ with 'PD_davir_cand <= TRUE ⁺ Replace YD_davir_cand_pri <= TRUE ⁺ with 'PD_davir_cand <= TRUE ⁺ Replace YD_davir_cand_pri <= TRUE ⁺ with 'PD_davir_cand <= TRUE ⁺ Replace YD_davir_cand_pri <= TRUE ⁺ with 'PD_davir_cand <= TRUE ⁺ Replace YD_davir_cand_pri <= TRUE ⁺ with 'PD_davir_cand <= TRUE ⁺ Replace YD_davir_cand_sec <= TRUE ⁺ with 'PD_davir_cand <= FALSE ⁺ Response Response Status C ACCEPT IN PRINCIPLE. does by 26	C/ 33 SC 3 Darshan, Yair	33.2.5.12	P 83 Microsemi	L 5	# 212	<i>CI</i> 33 Yseboodt,	SC 33.2.5.12 Lennart	P 84 Philips	L 6	# 393
buggestedRemedy Change from: Fig (2d, 2d, APID_ph*)* (sig_pri = valid)* (sig_sec = valid) + pwr_app_sec)) THEN Remove "Response Status C Response Status C ACCEPT IN PRINCIPLE. Change to: Fig (2d, 2d, APID_ph*) * (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec)) THEN Implement same remedy as 392 Visage stad/Remedy X33 S C 33.2.5.11 P 83 L 5 # [25] Visage stad/Remedy Response Status S Comment Status A PSE SD Parenthesis is at wrong location the CLASS_EVAL_PRI block for following equation. If (ad, cis_q, PID_pri * (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec)) PSE SD Parenthesis is at wrong location the CLASS_EVAL_PRI block for following equation. IF (ad, cis_q, PID_pri * (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec)) SUggestedRemedy Response Response Status C Comment Status A PSE SD ACEEPT IN PRINCIPLE. Comment Status A PSE SD Vising One unique DD_tot (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec)) SuggestedRemedy SuggestedRemedy Response Response Status C C Response Status C Response Status C ACCEPT IN PRINCIPLE. Comment Status A PSE SD PSE SD PSE SD PSE SD Vising One unique D	Comment Type	T Com	ment Status A		PSE SD	Comment	Type TR	Comment Status A		PSE SD
Change from: If (pd_cis_4PID_ph' (sig_pf = valid) * (sig_sec = valid + pwr_app_sec)) THEN To: IF (pd_cis_4PID_ph' (sig_pf = valid) * (sig_sec = valid) + pwr_app_sec) THEN segonse Response Status C ACCEPT IN PRINCIPLE. Change to: If (pd_cis_4PID_ph' (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec)) THEN Implement same remedy as 392 Cids_APID_ph' (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec)) THEN Implement same remedy as 392 Cids_APID_ph' (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec)) THEN Implement same remedy as 392 Cids_APID_ph' (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec)) THEN Implement same remedy as 392 Card, Jean Texas Instruments PSE 50 Damment Type TR Comment Type TR Comment Status A PSE 50 DiggestedRemedy Response Status C Add "Editor Note Chass" If pwr_app_sec) Start DETECT_SEC event f pwr_app_sind) SuggestedRemedy Response Status A PSE 50 Start DETECT_SEC event f pwr_app_sec) SuggestedRemedy Response Status A PSE 50 Start DETECT_SEC in looks inter the state induity or parts. SuggestedRemedy Response Status A PSE 50 Start DETECT_SEC event f pwr_app_sec) SuggestedRemedy Response St	In figure 33-16	S Typo in paranth	esis in two locations i	in CLASS_EVA	L_PRI state.	IDLE_	SEC sets iclass_li	m_det_sec when this sho	ould be an input to	o the SD.
Response Status CResponse Status CACCEPT IN PRINCIPLE.Change to:(ii (g. c) i = valid) * ((sig_sec = valid) + pwr_app_sec)) THENTip (g. c) (s. pri = valid) * ((sig_sec = valid) + pwr_app_sec)) THENTip (g. c) (s. pri = valid) * ((sig_sec = valid) + pwr_app_sec)) THENTip (g. c) (s. pri = valid) * ((sig_sec = valid) + pwr_app_sec)) THENTip (g. c) (s. pri = valid) * ((sig_sec = valid) + pwr_app_sec)) THENTip (g. c) (s. pri = valid) * ((sig_sec = valid) + pwr_app_sec))Tip (Tip (c) (s. pri = valid) * (sig_sec = valid) + pwr_app_sec)Parenthesis is at wrong location in the CLASS. EVAL. PRI block for following equation.(F (d) (s. g) (pri = valid) * (sig_sec = valid) + pwr_app_sec)Sagested/RemedyResponse Status CACCEPT IN PRINCIPLE.OBE by 212Card, JeanTexas instrumentsCard, JeanTexas instrumentsCard, JeanTexas instrumentsCorment Status APSE SDSagested/RemedyResponse Status CACCEPT IN PRINCIPLE.OBE by 212Corment Status APSE SDSagested/RemedyResponse Status CResponse Status CACCEPT IN PRINCIPLE.	uggestedRemed	У				Suggeste	dRemedy			
To: IF (dc, (d s, PID, pri ' (sig_ pri = valid) + (sig_ sec = valid) + pwr_app_sec) THEN esponse Response Status C ACCEPT IN PRINCIPLE. Change to: IF (dc, (d s, PID_pri ' (sig_ pri = valid) + ((sig_ sec = valid) + pwr_app_sec)) THEN 133 SC 33.2.5.11 P83 L5 $\#$ [25 Card, Jean Texas Instruments Darment Type TR Comment Status A PSE SD Parenthesis is at wrong location in the CLASS_EVAL_PRI block for following equation. IF (dc, ds, PID_pri ' (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec) Parenthesis is at wrong location in the CLASS_EVAL_PRI block for following equation. IF (dc, ds, PID_pri ' (sig_pri = valid) + (sig_sec = valid) + pwr_app_sec) Replace with this: IF (dc, ds, PID_pri ' (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec) esponse Response Status C ACCEPT IN PRINCIPLE. OBE by 212 133 SC 33.2.5.11 P83 L6 $\#$ [26 Comment Type TR Comment Status A PSE SD Darkin, Vair McE-Correct the state machine to allow progress from IDLE_SEC to START_DETECT. SEC even if pur_app_pri=0 Staggested/Remedy 1. Group to explain the intent. 2. Add Editor Mote: Correct the state machine to allow progress from IDLE_SEC to START_DETECT. SEC even if pur_app_pri=0 Staggested/Remedy 1. Group to explain the intent. 2. Add Editor Mote: Correct the state machine to allow progress from IDLE_SEC to START_DETECT. SEC regardless if there is power in primary pairs. Response Response Status C Response Response Status A PSE SD Using One unique PD_4pair_cand variable can helps implify the state diagram, even if staggered detection is used for DS PD. uggested/Remedy Replace PD_4pair_cand_pri <= TRUE* with "PD_4pair_cand <= TRUE* Replace PD_4pair_cand_pri <= TRUE* with "PD_4pair_cand <= TRUE* Replace PD_4pair_cand_pri <= TRUE* with "PD_4pair_cand <= TRUE* Response Response Status C ACCEPT IN PRINCIPLE. adopt bullock_01_0316,pdf	0 /					Remo	ve "iclass_lim_det	_sec <= FALSE" from the	state IDLE_SEC	,
$ \begin{array}{c} \label{eq:product} \end{tabular}{lllllllllllllllllllllllllllllllllll$	IF (pd_cls_4P	ID_pri * (sig_pri =	· valid) * (sig_sec = v	alid + pwr_app_	_sec)) THEN	Response		Response Status C		
apportise Response Status C ACCEPT IN PRINCIPLE. Change to: IF (pd_ds_4PID_pn' * (sig_pri = valid) * ((sig_sec = valid) + pwr_app_sec)) THEN 33 SC 33.2.5.11 P 83 L5 # [25] card, Jean Texas Instruments PSE SD PSE SD Parenthesis is at wrong location in the CLASE. EVAL_PRI block for following equation. If the PD is dual-sig that accept power over 4-pairs then we should get to START_DETECT_SEC regardless if there is power in primary pairs." Replace with this: IF (pd_ds_4PID_pn' * (sig_pri = valid) * (sig_sec = valid + pwr_app_sec)) SuggestedRemedy 1. Group to explain the intent. 2. Add * Editor Note: Correct the state machine to allow progress from IDLE_SEC to START_DETECT_SEC regardless if there is power in primary pairs." Replace with this: IF (pd_ds_4PID_pn' * (sig_pri = valid) * (sig_sec = valid + pwr_app_sec)) SuggestedRemedy 1. Group to explain the intent. 2. Add * Editor Note: Correct the state machine to allow progress from IDLE_SEC to START_DETECT_SEC regardless if there is power in primary pairs." Response Response Response Response Response Response OBE by 212 To add and the singhtly the state diagram, even if staggered detection is used for DS PD. SuggestedRemedy Replace * PD_opair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. SuggestedRemedy Replace						ACCE	PT IN PRINCIPLE			
ACCEPT IN PRINCIPLE. Classes in the interview of the interview			, , ,	alid) + pwr_app	_sec) THEN	Imple	ment same remedy	/ as 392		
Change to: IF (pd_cls_4PID_pri * (sig_pri = valid) * ((sig_sec = valid) + pwr_app_sec)) THEN 33 SC 33.2.5.11 P83 L5 # [25] card, Jean Texas Instruments PSE point SC to Comment Status R PSE point parenthesis is at wrong location in the CLASS_EVAL_PRI block for following equation. If the PD is dual-sig that accept power over 4-pains then we should get to START_DETECT_SEC even if pwapp_pric0 since the exit is valid if !pwr_app_sec'pwr_app_pric0 gested/Remedy Response Status C ACCEPT IN PRINCIPLE. Response Status A PSE SD OBE by 212 Stats A PSE SD Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Suggested/Remedy Replace "PD_4pair_cand_pri < FALSE" with "PD_4pair_cand <= TRUE"	•	,	onse Status C						1.0	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	ACCEPT IN P	RINCIPLE.							L 9	# 230
$\frac{1}{33} SC 33.2.5.11 P 83 L 5 \# 25$ $\frac{1}{25}$ $\frac{1}$	0									505.05
33 SC 33.2.5.11 P83 L 5 # [25] card, Jean Texas Instruments mment Type TR Comment Status A PSE SD Parenthesis is at wrong location in the CLASS_EVAL_PRI block for following equation. If (d_cls_4PID_pri* (sig_pri = valid)* (sig_sec = valid + pwr_app_sec) SG 33.2.5.11 Pass _ L 6 SUggested/Remedy Replace with this: IF (d_cls_4PID_pri* (sig_pri = valid)* (sig_sec = valid) + pwr_app_sec) SG 33.2.5.11 P 83 L 6 # [26] 33 SC 33.2.5.11 P 83 L 6 # [26] You don't perform detection on the secondary until you have powered the primary pairs." Replace vint, Japa Texas Instruments PSE SD Diff Quest, 4PID_pri* (sig_pri = valid)* (sig_sec = valid) + pwr_app_sec) Replace 'PD_4pair_cand_variable can help simplify the state diagram, even if Score to explain the intent. 2.4 df 'Editor Note: Correct the state machine to allow progress from IDLE_SEC to START_DETECT_SEC regardless if there is power in primary pairs." Response Response Status C ACCEPT IN PRINCIPLE. You don't perform detection on the secondary until you have powered the primary for th det_seq Using One unique PD_4pair_cand_pri <= TRUE' with "PD_4pair_cand <= TRUE"	IF (pd_cls_4P	ID_pri * (sig_pri =	<pre>valid) * ((sig_sec =)</pre>	valid) + pwr_ap	p_sec)) THEN		51			PSE SD
Type TR Comment Status A PSE SD Parenthesis is at wrong location in the CLASS_EVAL_PRI block for following equation. IF (pd_cls_4PID_pri* (sig_pri = valid)* (sig_sec = valid + pwr_app_sec)) StaRT_DETECT_SEC even if pwr_app_pri=0 ggestedRemedy Replace with this: IF (pd_cls_4PID_pri* (sig_pri = valid)* (sig_sec = valid) + pwr_app_sec) StaRT_DETECT_SEC regardless if there is power in primary pairs." sponse Response Status C ACCEPT IN PRINCIPLE. P83 L6 # 26 OBE by 212 Texas Instruments PSE SD SiggestedRemedy Response Status C Replace 'PD_dpair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. SuggestedRemedy Replace 'PD_dpair_cand_pri <= TRUE" with 'PD_dpair_cand <= TRUE"	33 SC 3	33.2.5.11	P 83	L 5	# 25					
Jointent Type TR Comment Status A PSESD Parenthesis is at wrong tocation in the CLASS_EVAL_PRI block for following equation. IF (pd_cls_4PID_pri* (sig_pri = valid)* (sig_sec = valid + pwr_app_sec)) gggestedRemedy Replace with this: IF (pd_cls_4PID_pri* (sig_pri = valid)* (sig_sec = valid) + pwr_app_sec)) spponse Response Status C ACCEPT IN PRINCIPLE. OBE by 212 33 SC 33.2.5.11 Dan Texas Instruments priment Type TR Comment Status A PSE SD pumment Type TR Comment Status A PSE SD gggestedRemedy response Response Status C Comment Status A PSE SD gggestedRemedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"	card, Jean		Texas Instrum	nents					s then we should	get to
 F (pd_cis_4PID_pri* (sig_pri = valid)* (sig_sec = valid + pwr_app_sec)) rggestedRemedy Replace with this: IF (pd_cis_4PID_pri* (sig_pri = valid)* (sig_sec = valid) + pwr_app_sec) sponse Response Status C ACCEPT IN PRINCIPLE. OBE by 212 33 SC 33.2.5.11 P 83 L 6 # 26 Cl 33 SC 33.2.5.11 P 83 L 6 # 26 Cl 33 SC 33.2.5.11 P 83 L 6 # 26 Cl 33 SC 33.2.5.11 P 83 L 6 # 26 Cl 33 SC 33.2.5.11 P 83 L 6 # 26 Cl 33 SC 33.2.5.11 P 83 L 6 # 26 Cl 33 SC 33.2.5.11 P 83 L 6 # 26 Cl 33 SC 33.2.5.11 P 85 L 6 # 27 Picard, Jean Texas Instruments Dusing One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. suggestedRemedy Replace "PD_4pair_cand_pri <= FALSE" with "PD_4pair_cand <= TRUE" Replace "PD_4pair_cand_pri <= FALSE" with "PD_4pair_cand <= TRUE" Replace "PD_4pair_cand_pri <= FALSE" with "PD_4pair_cand <= FALSE" Sponse Response Status C ACCEPT IN PRINCIPLE. adopt bullock_01_0916.pdf 	omment Type	TR Com	ment Status A		PSE SD			even if pwr_app_pri=0		
2. Add "Editor Note: Correct the state machine to allow progress from IDLE_SEC to START_DETECT_SEC regardless if there is power in primary pairs." Replace with this: IF (pd_cls_4PID_pri * (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec) sponse Response Status C ACCEPT IN PRINCIPLE. C OBE by 212 33 SC 33.2.5.11 P 83 L 6 # 26 ard, Jean Texas Instruments PSE SD Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. SC 33.2.5.11 P 85 L 6 # 27 ggestedRemedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"							2			
gggstadRemedy Replace with this: IF (pd, cls_4PID_pri * (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec) asponse START_DETECT_SEC regardless if there is power in primary pairs." ACCEPT IN PRINCIPLE. C OBE by 212 33 SC 33.2.5.11 P 83 L 6 # 26 Card, Jean Texas Instruments PSE SD Vou don't perform detection on the secondary until you have powered the primary for the det_seq Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Dusing One unique PD_4pair_cand_variable can help simplify the state diagram, even if staggered detection is used for DS PD. SuggestedRemedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"	ü		· valid) * (sig_sec = v	alid + pwr_app_	_sec))				allow progress fro	om IDLE SEC to
IF (pd_cls_4PID_pri * (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec) esponse Response Status C ACCEPT IN PRINCIPLE. C OBE by 212 0 33 SC 33.2.5.11 P 83 L 6 # 26 / 33 SC 33.2.5.11 P 83 L 6 # 26 / 33 SC 33.2.5.11 P 83 L 6 # 27 / 34 SC 33.2.5.11 P 83 L 6 # 27 / 35 SC 33.2.5.11 P 83 L 6 # 27 / 36 SC 33.2.5.11 P 83 L 6 # 27 / 30 SC 33.2.5.11 P 85 L 6 # 27 / 34 SC 33.2.5.11 P 85 L 6 # 27 / 35 C 33 SC 33.2.5.11 P 85 L 6 # 27 / 36 Gomment Status A PS C////>Somment Status A PS Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Using One unique PD_4pair_cand_sec <= TRUE" with "PD_4pair_cand <= TRUE"										—
esponse Response Status C ACCEPT IN PRINCIPLE. OBE by 212 / 33 SC 33.2.5.11 P 83 L 6 # 26 / 33 SC 33.2.5.11 P 83 L 6 # 26 / icard, Jean Texas Instruments C/ 33 SC 33.2.5.11 P 85 L 6 # 27 / using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Texas Instruments Comment Type TR Comment Status A PS uggested/Remedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"			valid) * (sig_sec = v	alid) + pwr app	sec)	Response		Response Status C		
ACCEPT IN PRINCIPLE. OBE by 212 / 33 SC 33.2.5.11 P83 L6 # 26 card, Jean Texas Instruments PSE SD Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. UggestedRemedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE" Replace "PD_4pair_cand_pri <= FALSE" with "PD_4pair_cand <= TRUE" Replace "PD_4pair_cand_pri <= FALSE" with "PD_4pair_cand <= FALSE" esponse Response Status C ACCEPT IN PRINCIPLE. adopt bullock_01_0916.pdf				and) - p.m_app	_000)	REJE	CT.			
OBE by 212 / 33 SC 33.2.5.11 P 83 L 6 # 26 icard, Jean Texas Instruments Texas Instruments C/ 33 SC 33.2.5.11 P 85 L 6 # 27 Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. uggestedRemedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"						You d	on't perform detect	tion on the secondary unt	il vou have power	red the primary for this
I 33 SC 33.2.5.11 P 83 L 6 # 26 icard, Jean Texas Instruments omment Type TR Comment Status A PSE SD Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Using One unique PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"							•		i you navo ponoi	
/ 33 SC 33.2.5.11 P 83 L 6 # 26 icard, Jean Texas Instruments Texas Instruments omment Type TR Comment Status A PSE SD Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Using One unique PD_4pair_cand_variable can help simplify the state diagram, even if staggered detection is used for DS PD. Using One unique PD_4pair_cand_sec <= TRUE" with "PD_4pair_cand <= TRUE"	OBE by 212					C/ 33	SC 33.2.5.11	P 85	L 6	# 27
comment Type TR Comment Status A PS Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. uggestedRemedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"		33.2.5.11	P 83	L 6	# 26					
mment Type TR Comment Status A PSE SD Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. ggestedRemedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"	card, Jean		Texas Instrum	nents		Comment	Type TR			PSE SD
Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. staggered detection is used for DS PD. uggestedRemedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"	omment Type	TR Com	ment Status A		PSE SD				elp simplify the sta	
gggestedRemedy Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"				simplify the sta	ate diagram, even if				,	0 /
Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE"			DS PD.			Suggeste	dRemedy			
Replace "PD_4pair_cand_pri <= FALSE" with "PD_4pair_cand <= FALSE"										
esponse Response Status C ACCEPT IN PRINCIPLE. Adopt bullock_01_0916.pdf OBE by 26	Replace "PD_ Replace "PD	4pair_cand_pri < 4pair cand pri <	<pre>interface in the second sec second second sec</pre>	ipair_cand <= 4pair cand <=	FALSE"	•	- • -	—	^o D_4pair_cand <	= FALSE"
ACCEPT IN PRINCIPLE. OBE by 26				- 1		•				
Adopt bullock_01_0916.pdf	•					ACCE	PT IN PRINCIPLE			
		-				OBE	by 26			
YPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general Page 37 of	adopt bullock_	_01_0916.pdf								
OMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn Li 6 9/16/2016				• •		0				Page 37 of 126

SORT ORDER: Page, Line

Cl 33 SC 33.2.5.12 P 86 L 4 # 32 Picard, Jean Texas Instruments	C/ 33 SC 33.2.5.12 P 86 L 6 # 38 Wendt, Matthias Philips Lighting
Comment Type TR Comment Status R Pres: Picard1 The situation of class fault (overcurrent) is not in the class state diagram for single and dual signature. SuggestedRemedy SuggestedRemedy	Comment Type TR Comment Status A Pres: Yseboodt State diagram Figure 33–15: Issue #7 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf
Update the SD with class faults. See presentation TBD on this subject.	The SD still uses 'tacs_timer' which has been renamed to 'tclassacs_timer'.
Response Response Status C REJECT.	SuggestedRemedy Change to 'tclassacs_timer'.
C/ 33 SC 33.2.5.12 P86 L4 # 35	See yseboodt_02_0716_sdfix_baseline.pdf
Wendt, Matthias Philips Lighting Comment Type TR Comment Status A Pres: Yseboodt6 State diagram Figure 33–15: Issues #2-4 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and	Response Response Status C ACCEPT IN PRINCIPLE. OBE by 36
yseboodt_02_0716_sdfix.pdf From CLASS_EV1_LCE the exits to MARK_EV1 and MARK_EV_LAST	CI 33 SC 33.2.5.12 P 86 L 22 # 254 Darshan, Yair Microsemi
forget to check the variable pse_avail_pwr. Currently the SD would allocate more power than is available. Same in the state CLASS_EV2. Same in the state CLASS_EV4.	Comment Type TR Comment Status A Pres: Darshand The PSE state machine part for single signature when it needs to know class code by issuing 3 finger and then doing class reset due to lake of sufficient power in which it need to generate only one finger etc. Pres: Darshand
SuggestedRemedy	This is covered by the text but not in the state machine.
Changing it to check the variable pse_avail_pwr fixes the issues.	SuggestedRemedy
See yseboodt_02_0716_sdfix_baseline.pdf	Add the missing state machine part in darshan_08_0916.pdf.
Response Response Status C ACCEPT IN PRINCIPLE.	Response Response Status C ACCEPT IN PRINCIPLE.
OBE by 240	Add to the TDL: Yair to add class reset functionality to single-sig state machine.

Pa **86** Li **22**

C/ 33 SC 33.2.5.12 P 86 L 25 # 225 Darshan, Yair Microsemi	C/ 33 SC 33.2.5.12 P 87 L 40 # 394 Yseboodt, Lennart Philips
Comment Type TR Comment Status A PSE SD See darshan_01_0916.pdf for reference.	Comment Type E Comment Status A PSE SE In the dual-signature class diagram, the state which does the first event after a reset is
See darsnan_01_0916.pdf for reference. The exit from CLASS_EV3 to MARK_EV3. Missing "(" in "PSE_avail_power=5)". SuggestedRemedy Change from: tcle3_timer_done * ((mr_pd_class_detected NE 4) * ((mr_pd_class_detected=0) +	In the dual-signature class diagram, the state which does the first event after a reset is named "CLASS_EV1_LCE_RESET_PRI". This is not a descriptive/intuitive name. SuggestedRemedy Rename the state to "CLASS_EV1_LCE_RESET_PRI" to "CLASS_EV1_LCE_4PID_PRI". Response Response Status C ACCEPT.
pse_avail_pwr>5))) To: tcle3_timer_done * ((mr_pd_class_detected NE 4) * ((mr_pd_class_detected=0) + (pse_avail_pwr>5)))	Cl 33 SC 33.2.5.12 P 88 L 10 # 224 Darshan, Yair Microsemi Comment Type T Comment Status A PSE SE
Response Response Status W ACCEPT.	Figure 33-20. There is a typo in the exit from CLASS_EV1_LCE_SEC to MARK_EV1_SEC: It is class_4PID_mult_events_sec and not cls_4PID_mult_events_sec.
Cl 33 SC 33.2.5.12 P 87 L 11 # 223 Darshan, Yair Microsemi Comment Type T Comment Status A PSE SD	SuggestedRemedy Change from: cls_4PID_mult_events_sec To: class_4PID_mult_events_sec
Comment Type T Comment Status A PSE SD Figure 33-19. There is a typo in the exit from CLASS_EV1_LCE_PRI to MARK_EV1_PRI: It is class_4PID_mult_events_pri and not cls_4PID_mult_events_pri.	Response Response Status C ACCEPT.
SuggestedRemedy Change from:	C/ 33 SC 33.2.5.12 P 88 L 40 # 395 Yseboodt, Lennart Philips
cls_4PID_mult_events_pri To: class_4PID_mult_events_pri	Comment Type E Comment Status A PSE SE In the dual-signature class diagram, the state which does the first event after a reset is named "CLASS_EV1_LCE_RESET_SEC". This is not a descriptive/intuitive name.
Response Response Status C ACCEPT.	SuggestedRemedy Rename the state to "CLASS_EV1_LCE_RESET_SEC" to "CLASS_EV1_LCE_4PID_SEC".
	Response Response Status C ACCEPT.

Pa **88** Li **40**

C/ 33	SC 33.2.5.12	P 88	L 46	# 226		C/ 33 SC
Darshan	, Yair	Microsemi				Wendt, Matthias
Commer	nt Type T	Comment Status A			PSE SD	Comment Type
This	is SEC ALTERNAT	TIVE state machine so the ex	xits marked "I" s	should be "K".		State diagra
Suggest	edRemedy					Issue #7 as yseboodt_02
	nge from "I" to "K".					ysebbbul_02
Respons	se	Response Status C				Resolution to
, ACC	EPT.					SuggestedReme
						Implement S
C/ 33	SC 33.2.5.12	P 90	L 1	# 396		See also yse
Ysebood	lt, Lennart	Philips				Response
Commer	nt Type T	Comment Status A			PSE SD	ACCEPT IN
		D1.7 was accepted and con	sequently not ir	mplemented by	/ our	ACCEPT IN
	less Editor.	gest an even better remedy l	below			OBE by 396
1011	nake up for it, i sug	Jest an even beller remedy i	below.			
		ut the inrush monitor state di				
		UP to POWER_ON contains n arc from the monitor state to the state to the state to the state of				
	ped. A stopped time			where the time	er gets	
Suaaest	edRemedy					
00		MONITOR_INRUSH_PRI to	IDLE INRUSH	PRI		
		MONITOR_INRUSH_SEC to				
		n POWER_UP, the only way	to ever get bac	k in that state	is	
	ugh IDLE. in turn quarantees	that the global arc into IDLE	INRUSH PRI	resets the mor	nitor	
		tes an annoying oscillation of				

Response

Response Status C

ACCEPT.

C/ 33	SC 33.2.5.12	P 9	0	L 4	# 39
Wendt, M	atthias	Philip	s Lighting		
Comment	Type TR	Comment Status	Α		Pres: Yseboodt6
ysebo	oodt_02_0716_sdfi	•			
		omment #122 again:	st D1.7 ha	s not been im	plemented
00	dRemedy				
Imple	ment Stovers com	ment #122 against I	J1.7°.		
See a	also yseboodt_02_0	0716_sdfix_baseline	e.pdf		
Response	9	Response Status	С		
ACCE	EPT IN PRINCIPLE	E.			
	by 396				

Pa **90** Li **4**

Cl 33 SC 33.2.6 Beia, Christian	P 90 STMicroelec	L 18	# 267	C/ 33 S Zimmerman, Q	SC 33.2.6	P 90 CME Consult	L 29	# 110
Dela, Chinstian	STMICTORIEC	lionics		Zimmerman, G	beorge	CIME CONSult	ing, Aqua	
Comment Type T	Comment Status A		PSE Detection	Comment Typ		Comment Status R		PSE SD
text not very clear. I never detecting the	2.6 has an exception described t seems to leave the possibility second pairset. This is mislead ce, before first power on.	to transition from	n 2-pair to 4-pair power	perform de pairset." s Looking at	etection on t eems incon t the machir	PSE detecting an invalid PD signature of the other alternative, and if values is sistent with page 80 33.2.5.12 are on this, at the top level, it set is a signature of the other set.	id may perform branches out o eems that in this	classification on that f DETECT_EVAL. s case, if the second
SuggestedRemedy						ssification SHALL BE perform as happened, then det_temp=t		
Replace the following	ng sentence in 33.2.6:			sig_sec is	valid, while	the other is invalid. 5, page 80, it seems the only		0-1
has successfully de	tate, the PSE shall not apply or tected a valid signature over the ransitions between 2-pair and 4	at pairset, excep		at least on being perf	e of the sig	s is valid, and det_temp = bot the text is the desired behavior,	h_neither leads	to A1, classification
with:				SuggestedRer	nedy			
has successfully de	tate, the PSE shall not apply of tected a valid signature over the	at pairset. This r	equirement is not	state diag	ram branch	ay perform" to "and if valid sh that leads from DETECT_EVA o classification is optional.		
relevant for transition conditions specified	ns between 2-pairs and 4-pair in 33.2.8.1	power, which ma	ay be allowed under the	Response		Response Status C		
Response	Response Status C			REJECT.				
ACCEPT IN PRINC	IPLE.			The PSE of	can transitio	n back to the IDLE state throu	igh the use of th	ne pse_reset variable.
pairset until the PSI pairset. When a PS	state, the PSE shall not apply o E has successfully detected a v E is already in POWER_ON, it between 2-pair and 4-pair pow bed in 33.2.8.1."	alid signature ov	ver that					

Pa **90** Li **29**

C/33 SO	C 33.2.6.1	P 90	L 36	# 507	C/ 33	SC 33.2.6.	1	P 91	L 16	# 397
Stover, David		Linear Techno	logy		Yseboodt,	Lennart	l	Philips		
Comment Type	т	Comment Status A		Connection Check	Comment	Туре Е	Comment Si	atus A		PS
single-signa		k, the PSE shall determine the pairsets are connected rect.			"The c require	connection che ements in both	s not clear, the SD ck is rerun before Table 33-8 and 3 the state diagram	applying po 3.2.8.13, po	wer if power up fa wer is absent on b	ils to meet the timin
SuggestedRem	edy				Suggested	Remedy				
Change During con single-signa	nection check	c, the PSE shall determine if the pairsets are connected			require	connection che ements in both	ck is rerun before Table 33-8 and 3 the state diagram	3.2.8.13, po	wer is absent on l	ils to meet the timin both pairsets
		c, the PSE shall determine if if a per-pairset detection is			Response ACCE	PT IN PRINCI	Response St PLE.	atus C		
Response ACCEPT IN					require	connection che	ck is rerun before Table 33-8 and 3			ils to meet the timin on both pairsets
		<, the PSE shall determine if figuration, a dual-signature F			C/ 33 Yseboodt,	SC 33.2.6. Lennart		P 93 Philips	L 31	# 398
C/ 33 So Darshan, Yair	C 33.2.6.1	P 91	L 11	# 194	Comment	21	Comment Si		electrical charact	Edi
,		Microsemi					the PSE PI measure		electrical charact	eristics" does not
Comment Type Table 33-8,	Tcc min.	Comment Status A	from its timer li	Connection Check	explaii Suggestec	n that is about <i>Remedy</i>	the PSE PI measure	urement.		
Comment Type Table 33-8, Tcc min wa In page 90 into conside	Tcc min. Is removed fr lines 38-40 w eration the iss		t PSE impleme nection but yet	st. ntations should take the Tcc minimum is	explaii Suggestec	n that is about <i>IRemedy</i> ge to "Valid PD	the PSE PI measure	re electrical		eristics" does not
Comment Type Table 33-8, Tcc min wa In page 90 into conside defined in ti SuggestedRem	Tcc min. Is removed fr lines 38-40 w eration the iss he table and hedy	Comment Status A om PSE state machine and re have a note to explain that sue of simultaneous pin con	t PSE impleme nection but yet	st. ntations should take the Tcc minimum is	explaiı Suggestec Chang Response	n that is about <i>IRemedy</i> ge to "Valid PD	the PSE PI measure of the PSE PI measure of the PSE PI measure of the	re electrical		

Pa **93** Li **31**

	# 291	CI 33 SC 33.	2.6.7 <i>P</i> 94	L 33	# 289
Schindler, Fred Seen Simply, Broadco		Schindler, Fred	Seen Sim	ply, Broadco	
Comment Type TR Comment Status A	4PID	Comment Type E	R Comment Status A		Editorial
The variable pd_4pair_cand is not used in the Type 3, 4 PSE state used in dual-signature PSE diagrams in Figures 33-16 and 33-17. not apply. The text is also incomplete for cases c) and d), which al signature PDs. It is not clear whether this section is provide guidan provides details on when pd_4pair_cand is TRUE.	Therefore, item a) does so only apply to single-	SuggestedRemedy	ion are not working and some id ld reference 79.3.2.6b.2 for PD <i>Response Status</i> W		
SuggestedRemedy		ACCEPT.			
On line 29 add, "Editor's Note: readers are encouraged to improve tie this information to state diagrams in Figures 33-16, and 33-17." to other comments marked COMMENT-3. This comment should no satisfied until an acceptable solution is provided to addess the com	This comment is related t be considered	Cl 33 SC 33.2 Zimmerman, George		L 33 sulting, Aqua	# 100
Response Response Status C ACCEPT IN PRINCIPLE.		Comment Type E 33.2.6.1 not an a	Comment Status A ctive cross references		Editorial
Replace: "PD_4pair_cand shall have a default value of 'FALSE', but may be with:	set to 'TRUE' if the"	SuggestedRemedy make 33.2.6.1 a Response ACCEPT.	n active cross reference Response Status C		
"A PSE shall not apply 4-pair power unless the"					
Cl 33 SC 33.2.6.7 P 94 L 28 Schindler, Fred Seen Simply, Broadco	# 290	C/ 33 SC 33.2 Yseboodt, Lennart	2.6.7 <i>P</i> 94 Philips	L 34	# 399
Comment Type TR Comment Status A This section covers what establishes PD_4pair_cand. The state dia and 33-17 may do this as well, but they do not match. These diagr and xxx_pri and xxx_sec. The single-signature state diagram Figure PD_4pair_cand. Nothing in the state diagrams establishes pd_4pa	ams do use the variable 33-15 does not use	PD_4pair_cand s	d in the variable PD_4pair_cand shall have a default value of 'FA alid detection signature on both	LSE', but may be s	set to 'TRUE' if the PSE
SuggestedRemedy		Mis-capitalization	n of PD_4pair_cand		
See related comment marked COMMENT-3 for a solution.		SuggestedRemedy			
Response Response Status C		Replace (2x) by p	od_4pair_cand		
ACCEPT IN PRINCIPLE.		Response	Response Status C		
		ACCEPT.			

Pa **94** Li **34**

C/ 33 SC 33.2. Yseboodt, Lennart	7 <i>P</i> 95 Philips	L 27	# 400	C/ 33 Yseboodt, Le	SC 33.2.7	P 96 Philips	L 4	# 403
Comment Type TR	Comment Status A		PSE Class	Comment Ty	pe T	Comment Status A		PSE Clas
"The minimum pov	power but the minimum support ver output by the PSE for a par upplying power in 2-pair mode,	ticular PD Class,		", the F	PSE may set i	er but the minimum supported ts minimum power output bas		ss,"
SuggestedRemedy		, , ,		SuggestedRe	•			
Change to:				Change ", the F		ts minimum supported output	t power based o	n PAutoclass,"
	put power a PSE supports for a D, or supplying power in 2-pair			Response	-	Response Status C		
Response	Response Status W			ACCEPT	Γ.			
ACCEPT.				<i>CI</i> 33 Yseboodt, Le	SC 33.2.7	P 96 Philips	L 31	# 404
CI 33 SC 33.2.		L 42	# 401	Comment Ty		Comment Status A		Editori
Yseboodt, Lennart	Philips			,		s is in text on line 41 already r	mentioned	Editori
	Comment Status A		PSE Class			ver classification takes preced		ical Layer classification.
51								
Not the minimum p	power but the minimum support put power on a pairset for Type fined by Equation (33-3)."		SEs connected to a dual-	SuggestedRe Remove	emedy NOTE under	Table 33-12.		
Not the minimum p "The minimum out signature PD is de	put power on a pairset for Type		SEs connected to a dual-			Table 33-12. Response Status C		
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to:	put power on a pairset for Type fined by Equation (33-3)."	a 3 and Type 4 PS		Remove	NOTE under			
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out	put power on a pairset for Type	a pairset for Type		Remove <i>Response</i>	NOTE under		L 34	# 406
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out connected to a dua	put power on a pairset for Type fined by Equation (33-3)." put power a PSE supports on a	a pairset for Type		Remove Response ACCEPT	NOTE under SC 33.2.7	Response Status C	L 34	# 406
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out	put power on a pairset for Type fined by Equation (33-3)." put power a PSE supports on a al-signature PD is defined by E	a pairset for Type		Remove Response ACCEPT CI 33	NOTE under r. SC 33.2.7 ennart	Response Status C	L 34	# 406 Editori
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out connected to a dua Response ACCEPT.	put power on a pairset for Type fined by Equation (33-3)." put power a PSE supports on a al-signature PD is defined by E <i>Response Status</i> W 7 <i>P</i> 96	a pairset for Type		Remove Response ACCEPT CI 33 Yseboodt, Le Comment Ty Maximur	NOTE under T. SC 33.2.7 ennart pe E n power availa	Response Status C P 96 Philips	this is in Table 3	Editori
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out connected to a dua Response ACCEPT. Cl 33 SC 33.2.	put power on a pairset for Type fined by Equation (33-3)." put power a PSE supports on a al-signature PD is defined by E <i>Response Status</i> W	a pairset for Type quation (33-3)."	3 and Type 4 PSEs	Remove Response ACCEPT CI 33 Yseboodt, Le Comment Ty Maximur	NOTE under T. SC 33.2.7 ennart pe E n power availa kimum power	Response Status C P 96 Philips Comment Status A able is probably Pclass_PD, t	this is in Table 3	Editori
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out connected to a dua Response ACCEPT. Cl 33 SC 33.2. (seboodt, Lennart	put power on a pairset for Type fined by Equation (33-3)." put power a PSE supports on a al-signature PD is defined by E <i>Response Status</i> W 7 <i>P</i> 96 Philips <i>Comment Status</i> A	a pairset for Type quation (33-3)."	3 and Type 4 PSEs	Remove Response ACCEPT Cl 33 Yseboodt, Le Comment Ty Maximur "For max SuggestedRe Change	NOTE under T. SC 33.2.7 ennart pe E n power availa kimum power emedy to:	Response Status C P 96 Philips Comment Status A able is probably Pclass_PD, t	his is in Table 3 33-28."	Editori 3-24 and 33-25
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out connected to a dua Response ACCEPT. C/ 33 SC 33.2. Yseboodt, Lennart Comment Type E Autoclass is not in	put power on a pairset for Type fined by Equation (33-3)." put power a PSE supports on a al-signature PD is defined by E <i>Response Status</i> W 7 <i>P</i> 96 Philips <i>Comment Status</i> A	e 3 and Type 4 PS a pairset for Type quation (33-3)." <i>L</i> 3	3 and Type 4 PSEs # 402 Editorial	Remove Response ACCEPT CI 33 Yseboodt, Le Comment Ty Maximur "For max SuggestedRe Change "For max Response	NOTE under T. SC 33.2.7 ennart pe E n power availa kimum power emedy to: kimum power	Response Status C P96 Philips Comment Status A able is probably Pclass_PD, t available to PDs, see Table 3	his is in Table 3 33-28."	Editori 3-24 and 33-25
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out connected to a dua Response ACCEPT. C/ 33 SC 33.2. Yseboodt, Lennart Comment Type E Autoclass is not in "If the PD connecte 33C)," SuggestedRemedy Change to:	put power on a pairset for Type fined by Equation (33-3)." put power a PSE supports on a al-signature PD is defined by E <i>Response Status</i> W 7 <i>P</i> 96 Philips <i>Comment Status</i> A Annex 33C ed to the PSE performs Autocla	e 3 and Type 4 PS a pairset for Type quation (33-3)." <i>L</i> 3 ass (see 33.2.7.3,	3 and Type 4 PSEs # 402 <i>Editorial</i> , 33.3.6.3, and Annex	Remove Response ACCEPT Cl 33 Yseboodt, Le Comment Ty Maximur "For max SuggestedRe Change "For max	NOTE under T. SC 33.2.7 ennart pe E n power availa kimum power emedy to: kimum power	Response Status C P96 Philips Comment Status A able is probably Pclass_PD, t available to PDs, see Table 3 available to PDs, see Table 3	his is in Table 3 33-28."	Editori 3-24 and 33-25
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out connected to a dua Response ACCEPT. Cl 33 SC 33.2. Yseboodt, Lennart Comment Type E Autoclass is not in "If the PD connected 33C)," SuggestedRemedy Change to: "If the PD connected	put power on a pairset for Type fined by Equation (33-3)." put power a PSE supports on a al-signature PD is defined by E <i>Response Status</i> W 7 <i>P</i> 96 Philips <i>Comment Status</i> A Annex 33C ed to the PSE performs Autocla ed to the PSE performs Autocla	e 3 and Type 4 PS a pairset for Type quation (33-3)." <i>L</i> 3 ass (see 33.2.7.3,	3 and Type 4 PSEs # 402 <i>Editorial</i> , 33.3.6.3, and Annex	Remove Response ACCEPT CI 33 Yseboodt, Le Comment Ty Maximur "For max SuggestedRe Change "For max Response	NOTE under T. SC 33.2.7 ennart pe E n power availa kimum power emedy to: kimum power	Response Status C P96 Philips Comment Status A able is probably Pclass_PD, t available to PDs, see Table 3 available to PDs, see Table 3	his is in Table 3 33-28."	Editori 3-24 and 33-25
Not the minimum p "The minimum out signature PD is de SuggestedRemedy Change to: "The minimum out connected to a dua Response ACCEPT. C/ 33 SC 33.2. Yseboodt, Lennart Comment Type E Autoclass is not in "If the PD connecte 33C)," SuggestedRemedy Change to:	put power on a pairset for Type fined by Equation (33-3)." put power a PSE supports on a al-signature PD is defined by E <i>Response Status</i> W 7 <i>P</i> 96 Philips <i>Comment Status</i> A Annex 33C ed to the PSE performs Autocla	e 3 and Type 4 PS a pairset for Type quation (33-3)." <i>L</i> 3 ass (see 33.2.7.3,	3 and Type 4 PSEs # 402 <i>Editorial</i> , 33.3.6.3, and Annex	Remove Response ACCEPT CI 33 Yseboodt, Le Comment Ty Maximur "For max SuggestedRe Change "For max Response	NOTE under T. SC 33.2.7 ennart pe E n power availa kimum power emedy to: kimum power	Response Status C P96 Philips Comment Status A able is probably Pclass_PD, t available to PDs, see Table 3 available to PDs, see Table 3	his is in Table 3 33-28."	Editori 3-24 and 33-25

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

Pa **96** Li **34**

C/ 33 SC 33.2.7 P 96 L 34 # 405 Yseboodt, Lennart Philips	CI 33 SC 33.2.7 P 96 L 43 # 407 Yseboodt, Lennart Philips
Comment Type E Comment Status A Editorial Equation number is wrong, should be Equation (33-2) "This is the minimum required power at the PSE PI calculated using minimum VPort_PSE-2P and maximum Rchan. Use Equation (33-3) for other values of VPort_PSE-2P and Rchan." Editorial	Comment TypeTRComment StatusAPres: YseboodtUnlike Type 2, Type 3 and Type 4 devices have a lot of parameters that are different depending on the Assigned Class. An initial assigned class is set up during Physical Layer classification.
SuggestedRemedy Change to: "This is the minimum required power at the PSE PI calculated using minimum VPort_PSE-2P and maximum Rchan. Use Equation (33-2) for other values of VPort_PSE-2P and Rchan." Response Response Status C ACCEPT.	Using DLL the PD and PSE are able to change the allocated power. It makes sense that the assigned Class 'follows' the PSEAllocatedPower variable. SuggestedRemedy Adopt yseboodt_05_0916_dllclasschange.pdf Response Response Status C ACCEPT.
Cl 33 SC 33.2.7 P 96 L 34 # 45 Bennett, Ken Sifos Technologies, In Editorial Comment Type E Comment Status A Editorial Footnote 1 for PClass in Table 33-12, refers to equation 33-3. It should be equation 33-2. (33-3 is PClass-2P, and 33-2 is PClass.) SuggestedRemedy Change Equation (33-3) on line 34 to: Editorial	Cl 33 SC 33.2.7 P 96 L 46 # 408 Yseboodt, Lennart Philips Comment Type E Comment Status A Editoria Wordy. "Valid classification results are Classes 0 up to and including 4, as listed in Table 33-12." SuggestedRemedy Change to: "Valid classification results are Classes 0 to 4, as listed in Table 33-12."
Equation (33-2) Response Response Status C ACCEPT IN PRINCIPLE. OBE by 405	Response Response Status C ACCEPT.

Pa **96** Li **46**

C/ 33 SC 33.2.7	P 97	L 5	# 46	CI 33	SC 33.2.7	P 97	L 20	# 292
Bennett, Ken	Sifos Technol	logies, In		Schindler, Fre	d	Seen Simply,	Broadco	
Comment Type T	Comment Status A		PSE Class	Comment Typ	e TR	Comment Status D		PSE Clas
the (PClass) footnote	I in equation 33-3. If there's no	Ũ		power two two legac invalid cla	o 100-BASE- y Type-2 PSI ss signature , when two le	ished that legacy Types are u TX connections. The Type 3 a Es on its PI is ambiguous. A (4-4-4). A Type 3 or 4 PSE o egacy Type-2 PDs are discove	and 4 PSE beha dual-signature P only has one dat	vior when it encounters D will be seen with an a connection.
55 ,	ass-2P in table 33-13, which s	states.		SuggestedRe	medy			
This is the minimum r	required power per pairset at the aximum Rchan. Use Equation	he PSE PI calc		discover a	a dual-signati	d "Note 3It is recommended ure PD that provides the same SE Primary Alternative while	e class for three	or more events be
Response	Response Status C			Proposed Res	sponse	Response Status Z		
ACCEPT.				REJECT.				
CI 33 SC 33.2.7	P 97	L 18	# 409	This com	ment was WI	THDRAWN by the commenter	er.	
Yseboodt, Lennart	Philips			C/ 33	SC 33.2.7.1	P 97	L 46	# 173
Comment Type E	Comment Status A		Editorial	Anslow, Pete		Ciena	•	
	his is in text on line 41 already yer classification takes preced		sical Layer classification."	Comment Typ		Comment Status A		Editoria
SuggestedRemedy				l able 33- (after Tab		ced on page 97 line 46, but th	ne table does not	apper until page 101
Remove NOTE 1 und	ler Table 33-13.			SuggestedRe	,			
Response	Response Status C			00	,	rer to 33.2.7.1.		
ACCEPT.				Response ACCEPT	IN PRINCIPI	Response Status C _E.		
				Editor to t	ry to get Frar	me to move table.		
					iy to get i lai			

Pa **97** Li **46**

C/ 33 SC 33.2.7.2 P 98 L 29 # 40 C/ 33 SC 33.2.7.2 P 99 L 34 Wendt, Matthias Philips Lighting Yseboodt, Lennart Philips	# 411
Comment Type T Comment Status A Pres: Yseboodt7 Comment Type E Comment Status A	Editorial
If during autoclass a PD changes its class signature to something other than '0' during There are a number of unneeded references in Table 33-15.	
TACS behavior is undefined as already pinpointed in yseboodt_03_0716_class. SuggestedRemedy	
It would be beneficial to define this for future use Item 3 remove "See 33.2.7.2" from Additional information.	
- Item 6 remove "See 33.2.7.2" from Additional information.	
adopt yseboodt_03_0716_class - Item 12 remove Additional information.	
Response Response Status C - Item 14 remove Additional information.	
ACCEPT IN PRINCIPLE. Response Status C	
ACCEPT IN PRINCIPLE.	
adopt yseboodt_07_0916_autoclass.pdf	
C/ 33 SC 33.2.7.2 P 98 L 53 # 410 - Item 12 remove Additional information.	
Yseboodt, Lennart Philips - Item 14 remove Additional information.	
Comment Type E Comment Status A PSE Class With exception of "See 33.XX"	
The sentence can be shortened because it describes ALL mark event states.	
"The mark event states, MARK_EV1, MARK_EV1_PRI, MARK_EV1_SEC, MARK_EV2, MARK EV2 PRI, MARK EV2 SEC, MARK EV3, MARK EV3 PRI, MARK EV3 SEC,	
MARK_EV2_PRI, MARK_EV2_SEC, MARK_EV3, MARK_EV3_PRI, MARK_EV3_SEC, MARK EV4, MARK EV LAST, MARK EV LAST PRI and MARK EV LAST SEC C/ 33 SC 33.2.7.2 P100 L1	# 177
commence when the PI or pairset voltage falls below Vclass min and end when the PI Anslow, Pete Ciena	
voltage exceeds Vclass min." Comment Type E Comment Status A	Editorial
SuggestedRemedy The heading for Table 33-15 is missing "continued" on the second	part.
"All the mark event states (MARK_EV_) commence when the PI or pairset voltage falls below VClass min and ends when the PI voltage exceeds Vclass min." SuggestedRemedy	
Response Response Status C Place the cursor at the end of table title on first page. Then click or	n the Variables Tab and
ACCEPT IN PRINCIPLE.	
Response Response Status C	
"All the mark event states (MARK_EV_) commence when the PI or pairset voltage falls ACCEPT. below VClass min and ends when the PI voltage exceeds Vclass min or falls below Vreset."	

Pa **100** Li **1**

C/ 33 SC 33.2.7.3	P 100	L 42	# 412	C/ 33	SC 33.2.7.3	P 101	L1	# 508
Yseboodt, Lennart	Philips			Stover, Da	vid	Linear Techn	ology	
Comment Type E Annex 33C is not about "See Annex 33C for mo	Comment Status A t Autoclass. ore information on Autoclass."		Editorial	Comment Order Suggestea	of Tables 33-14	Comment Status A and 33-15 are jumbled.		Editorial
SuggestedRemedy Remove sentence.				00		e 33-14 precedes Table 33-1	5.	
Response ACCEPT IN PRINCIPL				Response ACCE OBE b	PT IN PRINCIP y 173	Response Status C LE.		
Cl 33 SC 33.2.7.3.5 Darshan, Yair	erences to an Autoclass Anne P 100 Microsemi	L 42	# 206	C/ 33 Yseboodt,		Philips	L 1	# 413
Comment Type TR	r unbalance issues.		Editorial	and I v	33-14 is located vas hopeful that em likely to hap	Comment Status A l after Table 33-15. This has b changes to the text would ev pen.		
SuggestedRemedy 1. Change to: "See Anr	nex 33E for more information	on Autoclass."		Response	C C	pering of 33-15 and 33-14. <i>Response Status</i> C		
here" If there is no need for n	nnex E: "Additional information nore information on Autoclass ore information on Autoclass."			OBE b	PT IN PRINCIP y 173	LE.		
3. Same issue to be ad Page 96 Line 3.				<i>CI</i> 33 Jones, Cha	SC 33.2.7.3 ad	<i>P</i> 101 Cisco	L 38	# 13
Page 116 Line 20. Page 144 Line 23. Page 217 Line 19.	_				on 33-4. You ca	Comment Status A In tell we have a European ed with decimal points in 12 plac		Editorial
Response ACCEPT IN PRINCIPL	Response Status C E.			Suggested				
OBE by 412				Response	on 33-4. Replac PT IN PRINCIP	e the commas with decimal p <i>Response Status</i> W LE.	oints in 12 place	95.
				OBE b	y 255			

Pa **101** Li **38**

CI 33 SC	33.2.7.3	P 101	L 38	# 178	CI 33	SC 3	3.2.7.3	P 101	L 39	# 105
Anslow, Pete		Ciena			Zimmerma	ın, Georg	ge	CME Consultin	ng, Aqua	
Comment Type	ER	Comment Status A		Editorial	Comment	Туре	ER	Comment Status A		Editoria
(decimal poi Many equati SuggestedReme	nt)." ons and sor edy	12.2 includes: "The decimal me tables in the draft use a o of a comma used as a decim	comma as a dec	cimal marker.	decima same i 16, 33	al point) issue ap	Accordii pears in 9, 33-23	s (e.g., "+0,0014") appear to ng to IEEE Style Manual (12. several places, including Equ 3, 33-32, 33-34, 33-35, 33-36, 3	2) decimal point ations 33-11, 33	should be used. This -12, 33-14, 33-15, 33-
		tables in the draft (including			Suggested	lRemedy	,			
Response ACCEPT IN		Response Status W			Put co comma		nto decir	mal point notation, throughou	t draft, using the	dot rather than
AGGELLIN					Response			Response Status W		
OBE by 255					ACCE	PT IN PI	RINCIPL	Ε.		
CI 33 SC	33.2.7.3	P 101	L 38	# 509	OBE b	y 255				
Stover, David		Linear Techno	ology		CI 33	SC 3	3.2.8	P 102	L 10	# 415
Comment Type	Е	Comment Status A		Editorial	Yseboodt,	Lennart		Philips	-	
SuggestedReme Replace con 14, 33-15, 3	edy nma with do 3-16, 33-17	mmas for the decimal point; ot for decimal marks in affect , 33-18, 33-19, 33-23, 33-32 Tables (33-32, 33-33).	ed Equations (3	3-4, 33-11, 33-12, 33-	Suggested	le 33-17 IRemedy	,	Comment Status A In "Symbol" too narrow. aller and column "Symbol" lai	·ger.	Editoria
Response		Response Status C			Response			Response Status C		
ACCEPT IN	PRINCIPLE	Ξ.			ACCE	PT.				
OBE by 255	33.2.7.3	P 101	L 38	# 414	C/ 33 Yseboodt,	SC 3 Lennart	3.2.8	P 102 Philips	L 15	# 416
Yseboodt, Lenna		Philips	L 30	# 414	Comment	Τνρε	Е	Comment Status A		Editoria
Comment Type	E	Comment Status A		Editorial				oltage" is capitalized when it	should not be.	
51	_	decimal numbers, use 'dot'.		Ealtonar	Suggested	IRemedy	,			
SuggestedReme	edv				Fix.	-				
00	,	rs in equation 33-4 to dots.			Response			Response Status C		
Response ACCEPT IN	PRINCIPLE	Response Status C			ACCE	PT.				
OBE by 255										

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: Page, Line

Pa **102** Li **15** Page 49 of 126 9/16/2016 3:02:19 PM

Cl 33 SC 33.2.8 Yseboodt, Lennart	<i>Р</i> 103 Philips	L 49	# 417	C/ 33 Stover, Da	SC 33.2.8 ⁄id	P 104 Linear Techno	L 49 blogy	# 510
Comment Type TR In Table 33-17 PCon is It is a duplicate of Pcla SuggestedRemedy	Comment Status A s not used anywere in the tex ass.	t, only a small e:	PSE F planation on page	115. Intra-p For hig	air current unba her Class PDs	Comment Status A alance I_unb is specified as 3% , this may preclude low-speed nts on those magnetics.		
Remove variable PCor Response	n from Table 33-17. <i>Response Status</i> C			Suggested TFTD.	•	ing for opinions from magnetic	s vendors here	
ACCEPT.	, -			Response ACCE	PT IN PRINCIP	Response Status C LE.		
Cl 33 SC 33.2.8 Yseboodt, Lennart	P 104 Philips	L 21	# 418		TDL: Stover, D 2p_unb, etc.)	arshan, Bullock, and Ysebood	t to review lunb	values (Ipeak vs.
Comment Type E Table 33-17, item 19, I SuggestedRemedy	Comment Status A both "IHold-2P" and "A" fields	need to be stra		ditorial Cl 33 Yseboodt,	SC 33.2.8 _ennart	P 105 Philips	L 12	# 420
Fix. Response ACCEPT.	Response Status C			Comment Again param Suggested	oo much text c eter.	Comment Status A rammed into the "Additional int	formation" cell	<i>Editoria</i> of Table 33-17 for T_ed
CI 33 SC 33.2.8 Yseboodt, Lennart Comment Type E There is a long NOTE SuggestedRemedy	P 104 Philips Comment Status A in Item 23/Additional informat	L 47 tion (I_unb).	# [<u>419</u> Ed	- Conte "T_ed, ditorial subsec conditi	ent of this section defined in Tab juent powering on." ce Additional in	on after 33.2.8.13 with name "l on: le 33-17, is the minimum delay of a pairset after power remov nformation field for Item 28/Tab	time before a l al from that pai	PSE may attempt rset because of an error
	of section 33.2.8.11 which dea	als with this para	imeter.	Response		Response Status C		
Response ACCEPT.	Response Status C			ACCE	РТ.			

Pa **105** Li **12**

C/ 33 SC 33	2.8 <i>P</i> 105	L 20	# 421	C/ 33 S	C 33.2.8.1	P 105	L 26	# 106			
Yseboodt, Lennart	2.8 F 105 Philips	L 20	# 421	Zimmerman, G		CME Consult		# 106			
Comment Type	Comment Status A		Editorial	Comment Type	TR	Comment Status A		PSE Powe			
Class 5 for Type	"Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair".					"The specification for VPort_PSE-2P in Table 33–17 shall be met with a (IHold max > VPort_PSE-2P min) to the maximum power per the PSE's assigned Class load step at a rate of change of at lea					
	lass 4 is not restricted. The ILI		r than the value for	power per	the PSE's a	there a load step specified so assigned Class under load cha VPort_PSE-2P, isn't this the r	anges at rates o	f up to 15mA/us" ?			
Class 5 for Type Response ACCEPT.	3 and Type 4 PSEs operating Response Status C	in 4-pair mode."		SuggestedRen Clarify text	,	ent.					
Cl 33 SC 33	2.8.1 <i>P</i> 105	L 25	# 422	Response ACCEPT I		Response Status W					
Yseboodt, Lennart	Philips			OBE by 42	2.						
Port_PSE-2P m	Comment Status A n for V Port_PSE-2P in Table n) to the maximum power per east 15 mA/ms."			CI 33 S Yseboodt, Lenn Comment Type		P 105 Philips Comment Status A	L 27	# 423 Editoria			
Can be improve	d by moving 'load step' up in th	e sentence.		51		s as a result of load changes	up to 35 mA/ms	shall be limited to 3.5			
SuggestedRemedy				V/ms max. The word r	" nax is redur	ndant					
Hold max x V P	n for V Port_PSE-2P in Table ort_PSE-2P min) to the maximu f at least 15 mA/us."			SuggestedRen Change to:	nedy						
Response	Response Status C			"The voltao V/ms."	je transients	s as a result of load changes	up to 35 mA/ms	shall be limited to 3.5			
ACCEPT.				Response		Response Status C					
				, ACCEPT.							

Pa **105** Li **27**

Cl 33 SC 33.2.8.1	P 105 L 32	# 293		SC 33.2.8.2	P 105	L 51	# 28
Schindler, Fred	Seen Simply, Broadco		Picard, Jean		Texas Instrum	ents	
<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	nment Status A	PSE SD	Comment Typ		Comment Status A		PSE Powe
in state diagrams and that text	nior IEEE officers indicated all beha alone would not be correct. An exa or Type 4 PSE that has assigned C	ample of where text alone	circumsta	inces longer t	steady-state operating condition han 250us transients or signifi		
	WER ON state may transition between		SuggestedRe	•			
power at any time, including af does not provide this behavior. COMMENT-6. If state diagran corrections. Not all problems f	ter the expiration of Tpon." The sta This comment is related to other on changes are required, the propose ound are listed in my comments as	te diagram on page 81 comments marked ed solution encourages	"PSE sho steps with	uld avoid cau	at the end of 33.2.8.2. Ising such long duration (> 250 In of rare circumstances involvess."	Ous) transients ing switchover	or significant voltage r of power supplies to
okay in some circumstances.			Response		Response Status C		
SuggestedRemedy			ACCEPT	IN PRINCIPL	.E.		
add the following text on line 1 described in the state diagram allowances and requirements i behaviors only described in 33	eds to be incorporated in the refere of the page 81, "Editor's Note: All b s. Readers are encouraged to inco nto the appropriate state diagram. .2.8.5.1 paragraph one." This comr cceptable solution is provided to add	ehavior needs to be rporate text only For example, see nent should not be	"The occu significan circumsta system rc	urrence of volt t amplitude (w inces such as obustness or t	at the end of 33.2.8.2.: tage transients lasting more th vithin Vport_PSE-2P specifica is those involving switchover of hose involving significant chan large load step spread over m	tion) should be backup power nge in current o	e limited to rare supplies to ensure demand on the PSE
Response Resp	onse Status U		power sup	oply due to a	large load step spread over m	ultiple powered	u pons.
ACCEPT IN PRINCIPLE.			C/ 33	SC 33.2.8.4	P 106	L 1	# 424
Add to TDL: Vseboodt Nood	to add 4/2-pair transisitons to State	Diagram	Yseboodt, Ler	nnart	Philips		
	·		Comment Typ	e E	Comment Status A		Editoria
C/ 33 SC 33.2.8.1	P 105 L 37	# 107	"For Type	and Type 4	4, I Port-2P and I Port-2P-othe	er"	
Zimmerman, George	CME Consulting, Aqua		Missing P	SEC			
· · · //·	nment Status A	Pres: Yseboodt9	SuggestedRe				
•	e PI" - specify the difference of what	t to what? The PI has 8	••		4 PSEs, I Port-2P and I Port-2	Dothor "	
pins.				s and Type 2		F-other	
SuggestedRemedy			Response		Response Status C		
Change "of the voltage differer and VPSE- of the given pairse	nce at the PI" to "of the voltage diffe t."	rence between VPSE+	ACCEPT.				
Response Resp	onse Status C						
ACCEPT IN PRINCIPLE.							
Replace "at the PI"							
with:							

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: Page, Line

Pa 106 Li 1

Editorial

PSE Power

CI 33 SC 33.2.8.4								
	4 P 106	L 24	# 216		33.2.8.4	P 106	L 40	# 511
arshan, Yair	Microsemi			Stover, David		Linear Techn	ology	
Comment Type ER	Comment Status A		Editorial	Comment Type	ER Col	mment Status A		Editor
currents or total port	required here. Normally we use current. In this case this is just			is defined in e	quation 33-8, no	ot in Table 33-17. Furt	hermore, the pa	d in Table 33-17". I_Con tragraph below these ed in Equation (33-8)."
33.2.5.9 IPort-2P-sec is the to	al output current sourced by the			"I_Con is defin	ence to Table 3	3-17 with Equation 33- (33-8)." in paragraph		f I_Con. Strike sentence e descriptions.
33.2.5.9"				Response	Res	ponse Status C		
SuggestedRemedy				ACCEPT IN F	RINCIPLE.			
Delete "total" in two	ocations.			Replace refer	ance to Table 3	3-17 with Equation 33	-8 in definition o	fl Con
Response	Response Status W			Replace relen				TI_00II.
ACCEPT.				All other para	neters are defir	ned in the normal text	(not equation de	finitions).
C/ 33 SC 33.2.8.4 /seboodt, Lennart	4 P 106 Philips	L 27	# 425	CI 33 SC : Yseboodt, Lennar	33.2.8.4	P 107 Philips	L 8	# 426
this parameter is use SuggestedRemedy	Comment Status A port" as the total current a Type ad in Figures 33-28 and 33-29. ion after (33-6) which says: ort-2P-other	3 or 4 PSE sou	PSE Power urces on the PI because	current wavefor Port_PSE-2P	I Con-2P as sp orm parameters : <-2P-unb , and I	mment Status A ecified in Equation (33 I Peak-2P , while with I Peak-2P minimum fo	hin the operating	voltage range of V
				Super weird c	onstruction carr	ied over (and made w	orse) from legad	cy text.
- Append the followin				•	Shisti dettori cari		, 0	
", IPort is the total cu	ng at page 106, line 13 Irrent on both pairs with the san	ne polarity and i	s defined in Equation	SuggestedRemed			, 0	
		ne polarity and i	s defined in Equation	"The PSE sha	y Il support the A	C current waveform pa Port_PSE-2P, for a mi	arameter IPeak-	
", IPort is the total cu (33-XX)." Response	irrent on both pairs with the san	ne polarity and i	s defined in Equation	"The PSE sha operating volta duty cycle."	y Il support the A age range of V I	C current waveform pa	arameter IPeak- nimum of TCUT	
", IPort is the total cu (33-XX)." Response	irrent on both pairs with the san	ne polarity and i	s defined in Equation	"The PSE sha operating volt duty cycle." Then, move e	y Il support the A age range of V I quation 33-13 (I	C current waveform pa Port_PSE-2P, for a mi	arameter IPeak- nimum of TCUT this sentence.	-2P and at least 5%
", IPort is the total cu (33-XX)." Response	irrent on both pairs with the san	ne polarity and i	s defined in Equation	"The PSE sha operating volt duty cycle." Then, move e	y Il support the A age range of V I quation 33-13 (I er of the paragra	C current waveform pa Port_PSE-2P, for a mi peak-2P) to right after	arameter IPeak- nimum of TCUT this sentence.	-2P and at least 5%

Pa **107** Li **8**

CI 33 SC 33.2		-	L 33	# 14		CI 33		3.2.8.4	P 10		L 43	#	219
Jones, Chad	Cisco)				Darshan, Y	air		Micros	emi			
Comment Type E	R Comment Status	Α			Editorial	Comment	Гуре	TR	Comment Status	Α			PSE Pow
	commas that need to be d	ecimal points	S.						or Equation 33-11, it minimum value.	will help	to define the op	perating i	ange of
SuggestedRemedy						Suggested	Remedv						
•	eplace the commas in nu		ecimal points; 1	2 places		Chang							
Response	Response Status	W				"where							
ACCEPT IN PRIN	ICIPLE.					RChan	-2P is th	e channe	el DC loop resistance	e per pair	rset, as defined	in 33.1.3	"
OBE by 255						To:							
C/ 33 SC 33.2	2.8.4 P1	07	L 34	# 427		"where	2D is th		DC loop registered	nornoù	root oo dafiaad	in 00.4 C	
Yseboodt, Lennart	Philip	-	L 34	# 427					el DC loop resistance ge for Equation 33-1				
Comment Type E	Comment Status				Editorial	Response			Response Status	w			
21	as in decimal numbers in		-11 , use dot po	pint.	Luitonai	ACCEI	PT IN PF	RINCIPLE	i.				
SuggestedRemedy						Chang	e To:						
Change commas	in decimal numbers to do	ts in equation	n 33-11.			"where					naat oo dafiaad		
Response	Response Status	С							el DC loop resistance m value of 0.2 ohm				
ACCEPT IN PRIM	ICIPLE.										·		
OBE by 255													
C/ 33 SC 33.2	2. 8.4 P1	07	L 36	# 196									
Darshan, Yair	Micro	osemi											
Comment Type TI	Comment Status	Α		P	SE Power								
	ne new Equation 33-12 wi												
	cy of the curve fit of Equa see the work done in	ition 33-11 ne	eed to be increa	ased to the	range of								
)2.org/3/bt/public/jul16/da	rshan_02_07	16.pdf and was	accepted a	according								
	ast meeting to be used in				-								
SuggestedRemedy													
	ents, please adopt darsha)2.org/3/bt/public/jul16/da												
Response	Response Status	w											
AOOFDT	-												

ACCEPT.

Pa **107** Li **43**

C/ 33 SC 33.2.8.4 P 107 L 44 # 197 Darshan, Yair Microsemi	C/ 33 SC 33.2.8.4 P 108 L 2 # 220 Darshan, Yair Microsemi
omment Type ER Comment Status A PSE Power	Comment Type TR Comment Status A PSE Powe
The text: "The worst case value of IPeak-2P-unb is defined by Equation (33–12)." is not accurate. The worst case value of IPeak-2P-unb is one of the values that can be derived by Equation 33–10 and Equation 33-11). So Ipeak-2P_unb_max is the maximum value of Ipeak-2P_unb which can be found by Equation 33-12 only after plugging in specific operating conditions such channel resistance.	 Error in Equation 33-13 lines 7 and 8. This is a calculation of Ipeak-2P therefore Rchan-2P should be used and not Rchan. Same applies to line 18. SuggestedRemedy Change from Rchan to Rchan-2P in Equation 33-13 line 7. Change from Rchan to Rchan-2P in Equation 33-13 line 8. Change from Rchan to Rchan-2P in "where" list Equation 33-13 line 17. Response Response Status W
Change from: "The worst case value of IPeak-2P-unb is defined by Equation (33–12)."	ACCEPT.
To: "The worst case value of IPeak-2P-unb is IPeak-2P-unb_max which can be derived by Equation (33-12)."	CI 33 SC 33.2.8.4 P 108 L 21 # 512 Stover, David Linear Technology
ACCEPT IN PRINCIPLE.	Comment Type ER Comment Status A Editoria "P_Peak_PD-2P is the total peak power see Table 33-25". P_Peak_PD-2P is not defined anywhere (captured in another comment), but if it were, it would live in Table 33-28.
Change To: "The worst case value of IPeak-2P-unb is IPeak-2P-unb_max which is defined by Equation	SuggestedRemedy Correct reference to Table 33-28.
(33-12)." / 33 SC 33.2.8.4 P 107 L 47 # 15	Response Response Status C ACCEPT IN PRINCIPLE.
ones, Chad Cisco omment Type ER Comment Status A Editorial EQ 33-12. another comma that should be a decimal point	OBE by 512
uggestedRemedy Equation 33-12. Replace the comma with a decimal point	
ACCEPT IN PRINCIPLE.	
OBE by 255	

Pa **108** Li **21**

Cl 33 SC 33.2.8.4.1 P 108 L 34 # Darshan, Yair Microsemi	217 C/ 33 Stover,	SC 33.2.8.4.1 David	P 108 Linear Te	L 40 chnology	# 513
Comment Type TR Comment Status A	Unbalance Comme	at Type TR	Comment Status A		Pres: Stover
"ICon-2P-unb applies for total channel common mode pair resistance from 0. RCh. For channels with common mode pair resistance lower than 0.1 OHM, s 33B." This text is addressing ICon-2P-unb which is defined by Rchan-2P range ther ohm" need to be changed to "0.2 ohm".	1 OHM to R_F see Annex imp for s som refore the "0.1 I_Co	SE min and R_PSI ementations. The s ystem unbalance re e valid operating pa n and I_Con-2P_u	E max place restrictions of pirit of these variables is equirements. However, th arameters, in conflict with nb.	to define and provi ne variables are red	de a much-needed test lundant to (and, for
(0.1 ohm to 6.25 ohm is the range for Rchan in 4-pairs).		edRemedy	1t		
SuggestedRemedy		stover_01_0916.pc			
Change from "0.1 ohm" to "0.2 ohm" in the following locations:	Respon		Response Status C		
1. page 108 line 34. 2. page 108 line 35.	ACC	EPT IN PRINCIPL	E.		
3. Clause 33.2.8.1 page 110 line 25. 4. Clause 33.2.8.1 page 110 line 32.	Add		and Stover to update unb	alance requirement	s based on Stover's
5. Annex 33B.4 title page 240 line 35. 6. Annex 33B.4 page 240 lines 36.	C/ 33	SC 33.2.8.4.1	P 108	L 40	# 16
7. Annex 33B.4 page 240 lines 38 to 39, two locations.	Jones, C	had	Cisco		
Response Response Status W	Comme	nt Type ER	Comment Status A		Editoria
		·)/·· =			
ACCEPT. C/ 33 SC 33.2.8.4.1 P 108 L 35 #		33-14. more comma edRemedy	as that need to be decim	al points.	
Cl 33 SC 33.2.8.4.1 P 108 L 35 # Yseboodt, Lennart Philips Comment Type E Comment Status A "For channels with common mode pair resistance lower than 0.1, see Annex 3 Reference can be more specific. SuggestedRemedy	428 Suggest Equ hav Editorial hav 33B." Respon ACC	edRemedy ation 33-14. replace to be an accept in commas. Could b re EPT IN PRINCIPL	e the commas with decim principal because I'm no e 8 places and not just 4 <i>Response Status</i> W	nal points in 4 place	
Cl 33 SC 33.2.8.4.1 P 108 L 35 # Yseboodt, Lennart Philips Comment Type E Comment Status A "For channels with common mode pair resistance lower than 0.1, see Annex : Reference can be more specific. SuggestedRemedy Change to: Change to: Comment Status Comment Status	428 Suggest Equ hav Editorial hav 33B." Respon ACC OBE	edRemedy ation 33-14. replace to be an accept in commas. Could b	e the commas with decim principal because I'm no e 8 places and not just 4 <i>Response Status</i> W	nal points in 4 place	
Cl 33 SC 33.2.8.4.1 P 108 L 35 # Yseboodt, Lennart Philips Comment Type E Comment Status A "For channels with common mode pair resistance lower than 0.1, see Annex is Reference can be more specific. SuggestedRemedy Change to: "For channels with common mode pair resistance lower than 0.1, see Annex is an and the status is a status in the status in the status is a status in the status in the status is a status in the status in the status is a status in the status in the status in the status is a status in the status i	428 Suggest Editorial Equipart 33B." Response ACC ACC 33B.4." Cl 33	edRemedy ation 33-14. replace to be an accept in commas. Could b re EPT IN PRINCIPL by 255 SC 33.2.8.4.1	e the commas with decim principal because I'm no e 8 places and not just 4 <i>Response Status</i> W E. <i>P</i> 108	nal points in 4 place	
Cl 33 SC 33.2.8.4.1 P 108 L 35 # Yseboodt, Lennart Philips Comment Type E Comment Status A "For channels with common mode pair resistance lower than 0.1, see Annex : Reference can be more specific. SuggestedRemedy Change to: "For channels with common mode pair resistance lower than 0.1, see Annex : Response Response Response Status C	428 Suggest Editorial Equipart 33B." Response ACC ACC 33B.4." Cl 33	edRemedy ation 33-14. replace to be an accept in commas. Could b re EPT IN PRINCIPL	e the commas with decim principal because I'm no e 8 places and not just 4 <i>Response Status</i> W E.	nal points in 4 place ot sure if the leading . TFTD	numbers are correct to
Cl 33 SC 33.2.8.4.1 P 108 L 35 # Yseboodt, Lennart Philips Comment Type E Comment Status A "For channels with common mode pair resistance lower than 0.1, see Annex is Reference can be more specific. SuggestedRemedy Change to: "For channels with common mode pair resistance lower than 0.1, see Annex is an and the status is a status in the status in the status is a status in the status in the status is a status in the status in the status is a status in the status in the status in the status is a status in the status i	428 Suggesting Editorial Equipage 33B." Responsion 33B.4." OBB CI 33 Ysebood Comment Comment	edRemedy ation 33-14. replace to be an accept in commas. Could b EPT IN PRINCIPL by 255 SC 33.2.8.4.1 t, Lennart of Type E	e the commas with decim principal because I'm no e 8 places and not just 4 <i>Response Status</i> W E. <i>P</i> 108	hal points in 4 place ot sure if the leading . TFTD	numbers are correct to # [<u>429</u> <i>Editoria</i>
Cl 33 SC 33.2.8.4.1 P 108 L 35 # Yseboodt, Lennart Philips Comment Type E Comment Status A "For channels with common mode pair resistance lower than 0.1, see Annex : Reference can be more specific. SuggestedRemedy Change to: "For channels with common mode pair resistance lower than 0.1, see Annex : Response Response Response Status C	428 Suggest Editorial Equinary 33B." Responsion 33B.4." Cl 33 Yseboor Commendation Do no Suggest	edRemedy ation 33-14. replace to be an accept in e commas. Could b se EPT IN PRINCIPL by 255 SC 33.2.8.4.1 t, Lennart at Type E ot use commas in edRemedy	e the commas with decim principal because I'm no e 8 places and not just 4 <i>Response Status</i> W E. <i>P</i> 108 Philips <i>Comment Status</i> A	L 41	numbers are correct to # [<u>429</u> <i>Editoria</i>
Cl 33 SC 33.2.8.4.1 P 108 L 35 # Yseboodt, Lennart Philips Comment Type E Comment Status A "For channels with common mode pair resistance lower than 0.1, see Annex : Reference can be more specific. SuggestedRemedy Change to: "For channels with common mode pair resistance lower than 0.1, see Annex : Response Response Response Status C	428 Suggest Editorial Equinary 33B." Responsion 33B.4." Cl 33 Ysebood Comment Do no Suggest Responsion Changest Suggest Changest Responsion Responsion	edRemedy ation 33-14. replace to be an accept in commas. Could b EPT IN PRINCIPL by 255 SC 33.2.8.4.1 t, Lennart of Type E of use commas in edRemedy nge commas in dec	e the commas with decim principal because I'm no e 8 places and not just 4 <i>Response Status</i> W E. <i>P</i> 108 Philips <i>Comment Status</i> A decimal numbers in equa simal numbers to dots in <i>Response Status</i> C	L 41	numbers are correct to # <u>429</u> <i>Editoria</i>

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 Li **41** SORT ORDER: Page, Line

Pa **108**

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C/ 33 SC 33.2.8.4. Darshan, Yair	1 P 108 Microsemi	L 43	# 208	C/ 33 SC 33.2.8.9 Yseboodt, Lennart	5 P 109 Philips	L 43	# 430
	Comment Status A Rpse_max for class 6 should b hax in class 6 which is "2.010"		Unbalance e factor of Equation	SuggestedRemedy	Comment Status A in decimal numbers in equatio		<i>Editorial</i> t point.
SuggestedRemedy				5	lecimal numbers to dots in equ	uation 33-15.	
In Equation 33-14 for Change the factor from				Response ACCEPT IN PRINCI	Response Status C		
Response ACCEPT.	Response Status W			OBE by 255			
Cl 33 SC 33.2.8.5 Jones, Chad	<i>P</i> 109 Cisco	L 41	# 17	Cl 33 SC 33.2.8.9 Darshan, Yair	5 P 109 Microsemi	L 43	# 190
Comment Type ER	Comment Status A mmas that need replaced with	decimal points	Editorial	http://www.ieee802.o	Comment Status A be simplified per the work done rg/3/bt/public/jul16/darshan_0 neeting to be used in D2.0. 0716.pdf for D2.0. Response Status W		PSE Power
SuggestedRemedy Equation 33-15. Repla EQ 33-16 1 place EQ 33-17 6 places EQ 33-18 7 places EQ 33-19 9 places EQ 33-23 2 places	ce the commas with decimal	points in 6 place	es. Also:	ACCEPT IN PRINCI			
Response ACCEPT IN PRINCIP	Response Status W						

OBE by 255

Pa **109** Li **43**

X 33 SC 33.2.8.5 P 109 L 43 # 249	C/ 33 SC 33.2.8.5.1 P 110 L 20 # 294
Darshan, Yair Microsemi	Schindler, Fred Seen Simply, Broadco
Comment Type TR Comment Status A Pres: Darshan2	Comment Type TR Comment Status R PSE S
(This is identical comment to other one that I sent. Here I have updated the file to darshan_02_0916.pdf insted darshan_01_0716.pdf from July which its base line is the same. The only differences are in the Annex where "Im' was changes to "Imax" in few places to be consistent with the rest of the document.)	During the Whistler interim, senior IEEE officers indicated all behavior had to be captured in state diagrams and that text alone would not be correct. An example of where text alone is used in this draft, "A Type 4 PSE, when connected to a single-signature PD with assigned Class 7 or Class 8, may implement a minimum IInrush lower than defined in Table 33–17, but not less than 0.4 A." The state diagram on page 81 does not provide this behavior.
http://www.ieee802.org/3/bt/public/jul16/darshan_01_0716.pdf and was accepted according the straw poll in last meeting to be used in D2.0.	SuggestedRemedy
See updated version of it (baseline was not changed) in darshan_02_0916.pdf. SuggestedRemedy Adopt darshan_02_0916.pdf for D2.0.	Confirm if this example text needs to be incorporated in the reference state diagram. If so, append to the Editor's note called out in other comments marked COMMENT-6, "For example, see behaviors only described in 33.2.8.5.1 paragraph one." This comment should not be considered satisfied until an acceptable solution is provided to addess the comment made.
Response Response Status C	Response Response Status C
ACCEPT IN PRINCIPLE.	REJECT.
Adopt darshan_02_0916Rev004.pdf	Senior IEEE officers said they were misquoted by the commenter.
C/ 33 SC 33.2.8.5 P110 L4 # 218	
Darshan, Yair Microsemi	C/ 33 SC 33.2.8.5.1 P 110 L 20 # 431
Comment Type T Comment Status A PSE Power	
The following text "The minimum value of Ilnrush-2P includes the effect of end to end pair to pair resistance unbalance." is correct when operating over 4-pairs.	Comment Type E Comment Status D Editoria "Such a PSE that implements a minimum I Inrush lower than defined in Table 33-17 shall successfully power up"
SuggestedRemedy Change from:	Repeats large part of previous sentence.
"The minimum value of IInrush-2P includes the effect of end to end pair to pair resistance	
unbalance." To:	SuggestedRemedy "Such a PSE shall successfully power up"
"The minimum value of IInrush-2P includes the effect of end to end pair to pair resistance	Proposed Response Response Status Z
unbalance when operating over 4-pairs.	
unbalance when operating over 4-pairs. Response Response Status C	REJECT.

Pa **110** Li **20**

C/ 33 SC 33.2.8.5.1 Yseboodt, Lennart	P 110 Philips	L 23	# 432	<i>CI</i> 33 Darshan, Y	SC 33.2.8.7	P 110 Microsemi	L 47	# 191
Comment Type E "T_Inrush-2p" SuggestedRemedy	Comment Status A		Editorial	<i>Comment</i> In the f "A PSE	Type TR ollowing text: E may remove po	Comment Status D ower from the PI if the PI curro Figure 33–27, Figure 33–28.		
Capitilize "-2P" Response	Response Status C			remove templa		t of a PSE before the pairset of	current exceed	s the "PSE upperbound
ACCEPT.						hat says that the minimum val the upperbound.	ue of ILIM-2P i	s the PSE lowerbound
C/ 33 SC 33.2.8.5.1	<i>P</i> 110	L 28	# 433	Suggested				
Yseboodt, Lennart	Philips			Chang				
Comment Type E "Such a PSE that impler successfully power up"	Comment Status D nents a minimum I Inrush k	ower than define	<i>Editorial</i> d in Table 33-17 shall	lowerb	ound template" i	ower from the PI if the PI curn n Figure 33–27, Figure 33–28 t of a PSE before the pairset of	8, and Figure 3	3–29. Power shall be
Repeats large	part of previous sentence.			To:				
SuggestedRemedy "Such a PSE shall succe	essfully power up"			"The m the PI	f the PI current	of ILIM-2P is the PSE lowerb meets or exceeds the "PSE lo ire 33–29. Power shall be rem	werbound tem	plate" in Figure 33–27,
Proposed Response	Response Status Z					eds the "PSE upperbound te		
REJECT.				Proposed I	Response	Response Status Z		
This comment was WITI	HDRAWN by the commenter	er.		REJEC	CT.			
C/ 33 SC 33.2.8.6 Yseboodt, Lennart	P 110 Philips	L 36	# 434	This co	omment was WI	THDRAWN by the commente	r.	
Comment Type T	Comment Status A		PSE Power					
CUT-2P , Type 1 and Ty current supplied on a pa	oplied by the PSE to the PI, pe 2 PSEs may remove po irset by the PSE to the PI, e pe 4 PSEs may remove po	wer from the PI. exceeds I CUT-2	If I Port-2P , the P for longer than T					
	forth a lot on the naming o herge these sentences. (And							
SuggestedRemedy								
	supplied on a pairset by th SEs may remove power fro		exceeds I CUT-2P for					
"If I Port-2P, the current longer than T CUT-2P, F								

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: Page, Line

Pa **110** Li **47**

Cl 33 SC 33.2.5.9 Darshan, Yair	P 110 Microsemi	L 51	# 235	Cl 33 SC 33.2.8 Yseboodt, Lennart	5.7 <i>P</i> 111 Philips	L 30	# 436	
PSEs that supply powe	Comment Status A axis in Figure 33–28 and Figuer to a single-signature PD ov		PSE Power to Type 3 and Type 4	SuggestedRemedy	Comment Status A s in decimal numbers in equation decimal numbers to dots in equa	·	<i>Editoria</i> t point.	
is not accurate and con	nfusing.			Response	Response Status C			
SuggestedRemedy				ACCEPT IN PRINC	IPLE.			
	axis in Figure 33–28 and Figuer to a single-signature PD ov		to Type 3 and Type 4	OBE by 255				
То:		·	T 0 17 1	C/ 33 SC 33.2.8 Darshan, Yair	B.7 P 111 Microsemi	L 30	# 215	
PSEs that supply powe The right side vertical	xis in Figure 33–28 and Figure er over each pairset to a single axis in Figure 33–28 and Figu 4 PSEs supply power to a si Response Status W	e-signature PD ar re 33–29 indicate	nd dual-signature PD. s the total current	 Comment Type TR Comment Status A PSE Point 1. Equation 33-16 describes the relationship between ILIM_min and Ipeak_max and not between ILIM_min and Ipeak. 2. Equation 33-16 adress ILIM_min during TLIM-2P min time duration only. 				
	.⊏. axis in Figure 33–28 and Figu 4 PSEs supply power to a si			To: "The total curre defined by Equation			P_min is ILIM_min	
C/ 33 SC 33.2.8.7 Yseboodt, Lennart	P 111 Philips	L 28	# 435	2. Change Equatior ILIM_min={Ipeak+0 To:				
Comment Type TR	Comment Status R		PSE Power	ILIM_min={lpeak_m	nax+0.004}A			
	quation are obsolete, this is r 29 ILIM-2P_min is used.	ot used anymore		•	t change: ed by Equation (33-9)			
				To: "Ipeak_max is	the maximum value of Ipeak der	rived from Equat	tion (33-9)"	
SuggestedRemedy	tion 33-16			Response	Response Status C			
Remove ILIMmin equa	lion 35-10.			псэронас	Nesponse Status U			
SuggestedRemedy Remove ILIMmin equa Response REJECT.	Response Status C			ACCEPT IN PRINC	IPLE.			

Pa **111** Li **30** C/ 33 SC 33.2.8.7 P 112 # 437 C/ 33 P 113 L 12 # 514 L 39 SC 33.2.8.7 Yseboodt, Lennart Stover, David Linear Technology Philips Comment Type E Comment Status A Editorial Comment Type TR Comment Status D Pres: Stover2 Underline under IPSEUT-2P and IPSEUT_Type3-2P in equation 33-17 and 33-18. I_PSEUT for Type 3, Type 4 PSEs may cause interoperability issues with Type 1, Type 2 PDs. SuggestedRemedy SuggestedRemedy Remove underlines. See stover_02_0916.pdf Response Status C Response Proposed Response Response Status Z ACCEPT IN PRINCIPLE. REJECT. OBE by 179 This comment was WITHDRAWN by the commenter. C/ 33 SC 33.2.8.7 P112 L 40 # 179 C/ 33 SC 33.2.8.7 L 34 # 439 P 113 Ciena Anslow, Pete Yseboodt, Lennart Philips Comment Type Е Comment Status A Editorial Editorial Comment Type E Comment Status A The left side of Equations 33-17 through 33-22 are underlined Do not use commas in decimal numbers in equation 33-19, use dot point. SuggestedRemedy SuggestedRemedy Remove underline Change commas in decimal numbers to dots in equation 33-19. Response Status C Response Response Response Status C ACCEPT. ACCEPT IN PRINCIPLE. SC 33.2.8.7 C/ 33 P 112 L 40 # 438 OBE by 255 Yseboodt, Lennart Philips C/ 33 SC 33.2.8.7 P 113 L 35 440 # Comment Type E Comment Status A Editorial Yseboodt, Lennart Philips Do not use commas in decimal numbers in equation 33-17 and 33-18, use dot point. Comment Type E Comment Status A Editorial SuggestedRemedy Underline under IPSEUT_Type4-2P in equation 33-19. Change commas in decimal numbers to dots in equation 33-17 and 33-18. SuggestedRemedy Response Response Status C Remove underline. ACCEPT IN PRINCIPLE. Response Response Status C OBE by 255 ACCEPT IN PRINCIPLE. OBE by 179

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: Page, Line

Pa 113

Li 35

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C/ 33 SC 33.2.8.8 Yseboodt, Lennart	P 114 Philips	L 44	# 441	C/ 33 SC 33 . Stover, David	.2.8.11	P 115 Linear Techn	L 23 ology	# 515
Comment Type T "The PSE remains in the below V Off max."	Comment Status A e IDLE state as long as the a	average voltage a	PSE Power across the pairset is		transmitter in	ment Status A a Type 2, Type 3 and resence of (I_unb / 2		Editoria nt PSEs shall meet the and Type 4" poorly
the pairset is below V O Response ACCEPT IN PRINCIPLE	e IDLE or DISABLED state a ff max." <i>Response Status</i> C E.	as long as the ave	erage voltage across	SuggestedRemedy Replace text with PSE shall meet to Response ACCEPT IN PRI Replace text with	the requiremer <i>Resp</i> o INCIPLE. h "A 100BASE-	nts of 25.4.5 in the pr onse Status C	Fype 2, Type 3, o	or Type 4 Endpoint PSE
Cl 33 SC 33.2.8.10 Yseboodt, Lennart	P 115 Philips	L 10	# 442	Cl 33 SC 33. Yseboodt, Lennart		P 115 Philips	L 34	# 443
P Con should be averag This is the only place wh SuggestedRemedy "PClass and PClass-2P	Comment Status A range of V Port_PSE-2P de ed using any sliding window here Pcon is used. We can s are valid over the range of V e averaged using any sliding Response Status C	v with a width of 1 simplify it to Pclas V Port_PSE-2P d	s." ss and Pclass-2P. lefined in Table 33-17.	SuggestedRemedy	mas in decimal s in decimal nu <i>Resp</i> e	ment Status A I numbers in equation Imbers to dots in equ Innse Status C		Editoria t point.
ACCEPT IN PRINCIPLE	•			C/ 33 SC 33.	.2.8.13	P 115	L 52	# 444
Also, remove "capability	' from subclause title.			POWER_ON sta SuggestedRemedy Type 3 and Type POWER_ON sta	e 4 PSEs, wher ate within T por e 4 PSEs, wher ate within T por	Philips ment Status A n connected to a sing n after completing de n connected to a sing n after completing de	tection on last p gle-signature PD	airset.), shall reach the
				Response ACCEPT.	Respo	onse Status C		

Pa **115** Li **52**

CI 33 SC 33.2.9 Yseboodt, Lennart	P 116 Philips	L 20	# 445	Cl 33 SC 33.2.1 Schindler, Fred	0.1.2	P 118 Seen Simply,	L 37 Broadco	# 295
Comment Type E "See Annex 33C" refe	Comment Status A rs to Autoclass.		Editorial		ents on lines 37 to	t S <i>tatus</i> R o 39, and 52 to t	54, and page 11	<i>PSE MPS</i> I9 lines 13 to 16 are the m the PI when DC MPS
SuggestedRemedy Remove sentence.				has been absent for	r a duration great	ter than TMPDO)." and "shall no	t remove power from window." Legacy text
Response ACCEPT.	Response Status C			says, "Power shall b	continuously for a be removed from	at least TMPS e the PI when DC	every TMPS + T C MPS has beer	MPDO". But it also n absent for a duration
C/ 33 SC 33.2.10 Yseboodt, Lennart	P 116 Philips	L 28	# 446	says "DC MPS has MPS is TMPS, but I	been present"	", which requires	s the reader to u	
Comment Type E	Comment Status A		Editorial	SuggestedRemedy				
21	ure 33-23 show the PSE moni	tor state diagran		Replace the called- MPS has been pres			sent" in all refere	enced lines with "DC
	Fig 33-21			Response	Response	Status C		
Also need to mention	19 00 21.			•				
	190021.			REJECT.				
SuggestedRemedy "Figure 33-21, Figure 3 Type 3 and Type 4 PS	33-22, and Figure 33-23 show Es."	the PSE monito	or state diagrams for	REJECT.	esent is "Iport is g	greater than or e	equal to Ihold-2p	max continously for a
SuggestedRemedy "Figure 33-21, Figure 3	33-22, and Figure 33-23 show	the PSE monito	or state diagrams for	REJECT. The definition of pre		-	equal to Ihold-2p	o max continously for a
SuggestedRemedy "Figure 33-21, Figure 3 Type 3 and Type 4 PS Response ACCEPT. Cl 33 SC 33.2.10.	33-22, and Figure 33-23 show Es." <i>Response Status</i> C	the PSE monito	br state diagrams for # 448	REJECT. The definition of pre minimum of TMPS.	es care of your c	-	equal to Ihold-2p	o max continously for a # 449
SuggestedRemedy "Figure 33-21, Figure 3 Type 3 and Type 4 PS Response ACCEPT. C/ 33 SC 33.2.10.4 Yseboodt, Lennart	33-22, and Figure 33-23 show iEs." <i>Response Status</i> C 1.2 <i>P</i> 118 Philips			REJECT. The definition of pre minimum of TMPS. The "minimum" take C/ 33 SC 33.2.1	es care of your co	oncern. <i>P</i> 118		
SuggestedRemedy "Figure 33-21, Figure 3 Type 3 and Type 4 PS Response ACCEPT. CI 33 SC 33.2.10.4 Yseboodt, Lennart Comment Type TR The DC MPS requirent reference to Iport.	33-22, and Figure 33-23 show Es." <i>Response Status</i> C 1.2 <i>P</i> 118	L 32 ering a PD over a	# 448 PSE MPS	REJECT. The definition of pre- minimum of TMPS. The "minimum" take <i>CI</i> 33 <i>SC</i> 33.2.1 Yseboodt, Lennart <i>Comment Type</i> E The DC MPS requir	es care of your co 0.1.2 Comment rements, the list o poth pairsets" use	oncern. P 118 Philips Status A on "A Type 3 or	<i>L 42 Туре 4 РЅЕ ро</i>	# 449 PSE MPS
SuggestedRemedy "Figure 33-21, Figure 3 Type 3 and Type 4 PS Response ACCEPT. Cl 33 SC 33.2.10. (seboodt, Lennart Comment Type TR The DC MPS requirem reference to Iport. IPort is a 4P parameter	33-22, and Figure 33-23 show Es." <i>Response Status</i> C 1.2 <i>P</i> 118 Philips <i>Comment Status</i> A nents, the list on "A PSE powe	L 32 ering a PD over a	# 448 PSE MPS	REJECT. The definition of preminimum of TMPS. The "minimum" take Cl 33 SC 33.2.1 Yseboodt, Lennart Comment Type E The DC MPS requires ignature PD over b	es care of your co 0.1.2 <i>Comment</i> ements, the list o oth pairsets" use ".	oncern. P 118 Philips Status A on "A Type 3 or	<i>L 42 Туре 4 РЅЕ ро</i>	# 449 PSE MPS wering a single-
SuggestedRemedy "Figure 33-21, Figure 3 Type 3 and Type 4 PS Response ACCEPT. Cl 33 SC 33.2.10. (seboodt, Lennart Comment Type TR The DC MPS requirem reference to Iport. IPort is a 4P parameter	33-22, and Figure 33-23 show Es." <i>Response Status</i> C 1.2 <i>P</i> 118 Philips <i>Comment Status</i> A nents, the list on "A PSE powe er, hence it should be IPort-2P	L 32 ering a PD over a	# 448 PSE MPS	REJECT. The definition of preminimum of TMPS. The "minimum" take C/ 33 SC 33.2.1 Yseboodt, Lennart Comment Type E The DC MPS requires Signature PD over b of the same polarity Also known as IP	es care of your co 0.1.2 <i>Comment</i> ements, the list o oth pairsets" use ".	oncern. P 118 Philips Status A on "A Type 3 or	<i>L 42 Туре 4 РЅЕ ро</i>	# 449 PSE MPS wering a single-
SuggestedRemedy "Figure 33-21, Figure 3 Type 3 and Type 4 PS Response ACCEPT. Cl 33 SC 33.2.10.4 Yseboodt, Lennart Comment Type TR The DC MPS requirem reference to Iport. IPort is a 4P paramete SuggestedRemedy	33-22, and Figure 33-23 show Es." <i>Response Status</i> C 1.2 <i>P</i> 118 Philips <i>Comment Status</i> A nents, the list on "A PSE powe er, hence it should be IPort-2P	L 32 ering a PD over a	# 448 PSE MPS	REJECT. The definition of preminimum of TMPS. The "minimum" take Cl 33 SC 33.2.1 Yseboodt, Lennart Comment Type E The DC MPS requires Signature PD over b of the same polarity	es care of your co 0.1.2 Comment rements, the list of both pairsets" use ".	oncern. <i>P</i> 118 Philips <i>Status</i> A on "A Type 3 or es the construct	L 42 Type 4 PSE po "the sum of I Po	# 449 PSE MPS wering a single- ort-2P of both pairsets

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C/ 33 SC 33.2.10.1.2 Yseboodt, Lennart	P 119 Philips	L 5	#	447	CI 33 Darshan, Y	SC 33.2. ′ air	0.1.2	P 119 Microsemi	L 20	# 192
	omment Status A			PSE MPS	Comment 1		Comm	ent Status D		PSE MPS
PSE DC MPS requirements, 1. A PSE powering a PD ove 2. A Type 3 or Type 4 PSE p 3. A Type 3 or Type 4 PSE p A dual-signature PD being p 3.	r a single pairset owering a single-signa owering a dual-signatu	ture PD over bo re PD	·		have a voltage amplitu and ad There a	ddressed the transients o de and time d to it a false are several o	PSE dv/dt th aused by port duration of th current pulse uestions resu	at affects short MF is cross regulation	S. The bottom I s, creates curren and can cancel short MPS oper earch:	It transient at the the MPS short pulse ation less reliable.
SuggestedRemedy					Options				a with false disc	
Change "A Type 3 or Type 4 PSE powering a dual-signati			o "A Type 3	3 or Type 4	b) If the	PD wants t				PSE will keep the
Response Re- ACCEPT.	sponse Status C				c) The pulse w 2. Wha	PSE will deo vas a result of t to require t	tide what to do of PSE dv/dt. rom a PD to n	o if it has the inform		istorted short MPS lid MPS pulse under
					a) Not t	n is that it is	ything. The cu	urrent spec. sugge bjective of low STE		MPS current. The short MPSE was meant
					b) Leav adding	ve it as imple a note to ma	ake the reader	ecifics and not to a aware of the issuent n testing system for	e?	spec. May be just
					Simple require at conc to cross that PS	r solution wa ments for P litions when s regulation. E or PD is r	is suggested b SEs nor PDs. only single po In this way th ot cheating	by Chad that is not The solution is jus ort is operated at a e true requirement It is clear that the	to test the PSE time so PSE dv/ s of the spec is spec is only abo	efinitions or for meeting MPS rules (dt is not possible due tested and we verify ut a single port but it er cases in the spec.
					Suggested	Remedy				
					"In case resultat power o result o 2. Add	e of PSE vo ed with disto or disconned of PSE dv/dt "Editor Note	tage transient red MPS puls t)if it has the i " : To address v	e, the PSE may de nformation that the what are the requir	di/dt current tran ecide what actior e distorted short ements from PS	sient at the PD that n to take (to maintain MPS pulse was a E, PD and compliance ng PSE dv/dt event."
					Proposed F REJEC	•	Respon	se Status Z		
					This co	mmontwoo		N by the comment	~ *	

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C/ 33 SC 33.3.2	P 120	L 20	# 516	CI 33		33.3.3.2	P 121	L 23	# 268
Stover, David	Linear Techno	ology		Beia, Chris	stian		STMicroelec	tronics	
Comment Type E	Comment Status A		Editorial	Comment	Туре	т	Comment Status A		PD SE
Reference to 33.2.6. signature PD.	1 does not define or describe h	ow to construct	a single- or dual-			d Type 2 gure 33-3	constants are only relevant 1.	to the Type 1 ar	nd Type 2 state
SuggestedRemedy				Suggested	Remed	ly			
Replace reference to	33.2.6.1 with reference to 33.3	5.5 (PD Signatu	re).	replace					
Response	Response Status C			The PI	D state	diagram u	ises the following constants	:	
ACCEPT.				with:					
C/ 33 SC 33.3.2	P 120	L 22	# 450			nd Type 2 ure 33-31:	PD state diagram uses the	following consta	ants, which are only
Yseboodt, Lennart	Philips			Response			Response Status C		
Comment Type E	Comment Status A		Editorial	ACCE	PT IN F	RINCIPLI	E.		
"PDs can be constru 33.2.6.1."	cted as single-signature or dua	-signature as c	lefined in 1.4 and	OBE b	oy 102				
Better to refer 33.3.5	which containst the PD spec o	n signature.		<i>CI</i> 33 Beia, Chris		33.3.3.3	P 121 STMicroelec	L 34	# 269
SuggestedRemedy						-		tronics	
	cted as single-signature or dua	-signature as c	lefined in 1.4 and	Comment		T d Type 2 y	Comment Status A variables are only relevant t	o the Type 1 an	PD SE
33.3.5." Peoperad				in figur	re 33-31	I. Variable	es with the same name but	different definitio	
Response ACCEPT IN PRINCI	Response Status C						o the reader should be warr	ied.	
				Suggested	Remed	ly			
OBE by 516				replace The Pl		diagram u	uses the following variables:		
C/ 33 SC 33.3.2	P 120	L 37	# 207	THC T	D State	ulagram u	ises the following valiables.		
Darshan, Yair	Microsemi			with:	uno 1 or	nd Type 2	PD state diagram uses the	following variab	los which are only
Comment Type TR	Comment Status A		PD Types			ure 33-31:		Tollowing variab	ies, which are only
	and 4 dual-signature rows: Auto apabilities" column, "Autoclass"			Response		RINCIPLI	Response Status C		
				AUGE			_ .		
SuggestedRemedy			d line 44 fee DD Tursee 2	OBE b	ov 102				
	om "optional capabilities" colun rows.	in in line 37 an	a line 41 for PD Types 3		,				
Delete "Autoclass" fr		in in line 37 an	a line 41 for PD Types 3		,				

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mment Type T Comment Status A PD SD The Type1 and Type 2 timers are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31. ggestedRemedy Add after the first paragraph the following sentence: The Type 1 and Type 2 PD state diagram uses the following timers, which are only relevant to figure 33-31: sponse Response Status C ACCEPT IN PRINCIPLE. OBE by 102 33 SC 33.3.3.4 P 123 L 13 # 451 eboodt, Lennart Philips PD SD	4 state diago SuggestedReme replace: The PD state with: The Type 3 which are or Response	ram in figure : edy e diagram us and Type 4 si nly relevant to		ints:	PD SL t to the Type 3 and Type e following constants,
figure 33-31. ggestedRemedy Add after the first paragraph the following sentence: The Type 1 and Type 2 PD state diagram uses the following timers, which are only relevant to figure 33-31: esponse Response Status C ACCEPT IN PRINCIPLE. OBE by 102 33 SC 33.3.3.4 P123 L 13 # 451 eboodt, Lennart Philips	4 state diago SuggestedReme replace: The PD state with: The Type 3 which are or Response ACCEPT IN	ram in figure : edy e diagram us and Type 4 s nly relevant to	33-32. es the following consta ingle-signature PD stat figure 33-32:	ints:	
Add after the first paragraph the following sentence: The Type 1 and Type 2 PD state diagram uses the following timers, which are only relevant to figure 33-31: sponse Response Status C ACCEPT IN PRINCIPLE. OBE by 102 33 SC 33.3.3.4 P 123 L 13 # 451 eboodt, Lennart Philips	replace: The PD state with: The Type 3 which are or <i>Response</i> ACCEPT IN	e diagram us and Type 4 s nly relevant to	ingle-signature PD stat figure 33-32:		e following constants,
The Type 1 and Type 2 PD state diagram uses the following timers, which are only relevant to figure 33-31: asponse Response Status ACCEPT IN PRINCIPLE. OBE by 102 33 SC 33.3.3.4 P123 L 13 eboodt, Lennart Philips	The PD stat with: The Type 3 which are or <i>Response</i> ACCEPT IN	and Type 4 sinly relevant to	ingle-signature PD stat figure 33-32:		e following constants,
ACCEPT IN PRINCIPLE. OBE by 102 33 SC 33.3.3.4 P 123 L 13 # 451 eboodt, Lennart Philips	The Type 3 which are or <i>Response</i> ACCEPT IN	nly relevant to	figure 33-32:	te diagram uses the	e following constants,
33 SC 33.3.3.4 P 123 L 13 # 451 eboodt, Lennart Philips	ACCEPT IN		Response Status C		
33 SC 33.3.3.4 P 123 L 13 # 451 eboodt, Lennart Philips		PRINCIPLE.			
eboodt, Lennart Philips	OBE by 102				
mment Type F Comment Status A PD SD					
	C/ 33 SC	33.3.3.7	P 125	L 25	# 272
See TDELAY_COMMENT first.	Beia, Christian		STMicroe	lectronics	
PSE's inrush period; see T delay in Table 33-28." IggestedRemedy Change Tdelay to Tdelay-2P Isponse Response Status C ACCEPT.	4 state diagr be defined for SuggestedReme replace:	ram in figure : or other state edy	0 0	ne same name but er should be warne	to the Type 3 and Type different definition may ed.
33 SC 33.3.3.5 P 124 L 54 # 452 eboodt, Lennart Philips			ingle-signature PD stat figures 33-32:	te diagram uses the	e following variables,
mment Type E Comment Status A PD SD	Response		Response Status C		
We used to have two notes below Figure 33-31 (the Type 1/2 PD state diagram).	•	PRINCIPLE.			
aggestedRemedy Add the following two NOTEs after Figure 33-31: "NOTE 1DO_CLASS_EVENT3 creates a defined behavior for a Type 2 PD that is brought into the classification range repeatedly." "NOTE 2In general, there is no requirement for a PD to respond with a valid classification signature for any DO_CLASS_EVENT duration less than TClass_PD as defined in Table 33-28."	OBE by 102	:			
sponse Response Status C					
ACCEPT.					

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

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C/ 33 SC 33.3.3.7 P 127 L 11 # 296 Schindler, Fred Seen Simply, Broadco	Cl 33 SC 33.3.3.8 P 127 L 37 # 517
Seen Simply, Broadco	Stover David
	Stover, David Linear Technology
Comment Type TR Comment Status A PD SD Variable pse_dll_power_level is defined on page 127 and 181, both definitions incorrectly indicate the PD control state diagram provides the value. This variable is not used for DLL and should be removed.	Comment Type TR Comment Status A PD Recent changes to 33.3.8.3 clarify PD input inrush requirements. Definition of tpowerdly_timer needs updated to match these clarifications. PD
SuggestedRemedy	SuggestedRemedy
Delete pse_dll_power_level definitions on pages 127 and 181.	Replace definition of tpowerdly_timer as follows: "A timer used to prevent Type 3 and Typ 4 PDs from drawing more than I_Inrush_PD and I_Inrush_PD-2P during the PSE's inrush period: See T delay and T delay-2P in Table 33-28.
Response Response Status W ACCEPT.	Response Response Status W ACCEPT IN PRINCIPLE.
Cl 33 SC 33.3.3.8 P 127 L 29 # 273 Beia, Christian STMicroelectronics # 273 Comment Type T Comment Status A PD SD The Type 3 and Type4 single-signature timers are only relevant to the Type 3 and Type 4	Replace definition of tpowerdly_timer as follows: "A timer used to prevent Type 3 and Type 4 PDs from drawing more than I_Inrush_PD and I_Inrush_PD-2P during the PSE's inrush period; See T_delay-2P in Table 33-28.
state diagram in figure 33-32. Timers with the same name but different definition may be defined for other state diagrams, so the reader should be warned.	CI 33 SC 33.3.3.8 P 127 L 39 # 453 Yseboodt, Lennart Philips
SuggestedRemedy Add after the first paragraph the following sentence:	Comment Type E Comment Status A PD See TDELAY_COMMENT first.
The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32:	"A timer used to prevent Type 3 PDs from drawing more than Type 1 power and Type 4 PDs from drawing more than Class 2 power during the PSE's inrush period; see T delay
Response Response Status C ACCEPT IN PRINCIPLE. OBE by 102	and T delay-2P in Table 33-28." SuggestedRemedy Change Tdelay to Tdelay-2P
	Response Response Status C ACCEPT IN PRINCIPLE.
	OBE by 517

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Cl 33 SC Beia, Christian	33.3.3.9	P 127 STMicroelectro	L 43	# 274	C/ 33 SC 33.3.9 P 129 L 11 # 210 Darshan, Yair Microsemi				
	_		DHICS						
4 state diagra SuggestedRemed Add at the be The Type 3 a	ams in figur dy eginning of 3 and Type 4 ly relevant t	33.3.3.9 the following senten single-signature PD state dia o figure 33-32: <i>Response Status</i> C	ice :		Comment Type TR Comment Status A Pres: Darshan The subject is: Figure 33-32 (PD single signature state diagram), dll_power_type, dll_power_level and the synch with Figure 33-50 which is currently is good only for Type 1 and Type 2. Background: PD Type 1/2 state machine: In page 122 line 45 we have a definition for pse_dll_power_type that is used in PD Type 1 and 2 state machine in page 124 line 30 at the exit from MDI_PWR1. The pse_dll_power_type is used in the PD power control state diagram (LLDP) Figure 33-50. So far all is good.				
Cl 33 SC Yseboodt, Lennar Comment Type The PD inrusl We have now	T In specificat v adopted a	P 129 Philips Comment Status A ion is mismatched between ccurate inrush text in 33.3.8			Single Signature PD Type 3/4 state machine: In page 127 line 11 we have a definition for pse_dll_power_level that should be used in the single-signature PD Type 3 and 4 state machine on page 129 line 11 at the exit from MDI_PWR1 but instead there is pse_dll_power_type there as was in Type 1/2 PD state machine. The pse_dll_power_type is required in the PD power control state diagram (LLDP) Figure 33-50 but is not defined in the variable list (what is defined is only pse_dll_power_level. The problems are:				
SuggestedRemed Adopt yseboo	-	6_pdinrushsd.pdf			 For Type 3 and 4 single-signature PD: It needs to be pse_dll_power_level and not pse_dll_power_type. 				
Response ACCEPT.					 Type 3 and 4 single-signature PD state diagram and variable list should be sync with Figure 33-50 that historically needs pse_dll_power_Type only for Type 1 and 2. We need figure 33-50 to work with Legacy and new single-signature PDs. 				
					SuggestedRemedy				
				Adopt darshan_12_0916.pdf if available for the meeting. If not, To add Editor Note to page 129: "Editor Note: (1) To make changes in Figure 33-50 so it can work with Type 1 and 2 by using the existing variables in Figure 33-50 and work with dll_power_level when it is Type 3 and Type 4 PDs. (2) Type 3 and 4 single-signature PD state diagram and variable list should be sync with Figure 33-50."					
					Response Response Status C				
					ACCEPT IN PRINCIPLE.				

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Cl 33 SC 33.3.3. Picard, Jean	10 P 129 Texas Instrur	L 15 ments	# 31	C/ 33 Beia, Chris		33.3.3.11	P 129 STMicroelect	L 51 ronics	# 275
Comment Type TR	Comment Status A		Pres: Yseboodt3	Comment	Туре	т	Comment Status A		PD SD
33.3.8.3. For examp	ring inrush is not fully described le, Single-signature PDs assign					nd Type4 c and 33-34	dual-signature constants are	e only relevant to	o the state diagrams in
PClass_PD and PPe TInrush-2P min. And	Suggested	IRemec	dy						
behavior as defined		loot in don roqu					of 33.3.3.11 with the follow		, , , , , , , , , , , , , , , , , , ,
SuggestedRemedy							dual-signature PD state dia to figures 33-33 and 33-34:	grams uses the	following constants,
Add an editor's note	to review the PD state diagram	n to cover inrush	behavior.	Response		,	Response Status C		
Response	Response Status C			, ACCEI	PT IN F	PRINCIPLE			
ACCEPT IN PRINCI	0051	400							
OBE by 454				OBE b	y 102				
				CI 33		33.3.3.12	P 130	L 24	# 227
Cl 33 SC 33.3.3.		L 45	# 455	Darshan, Y	'air		Microsemi		
Yseboodt, Lennart	Philips			Comment	Туре	TR	Comment Status D		Withdrawn
Comment Type E "NOTE 1DO_CLAS	Comment Status A SS_EVENT6 creates a defined	behavior for a T	<i>Editorial</i> ype 2, Type 3 and Type	Dual-signature state machine need to be updated to support DLL. See darshan_09_0916.pdf.					
4 PD that is brought	into the classification range re	peatedly."		Suggested	Remed	dy			
This note is attache	d to the new state diagram for T	Type 3/4 and as	such no longer applies	See da	arshan_	_05_0916.p	odf for proposed remedy.		
to Type 2.	Ũ		0 11	Proposed I	Respor	nse	Response Status Z		
SuggestedRemedy				REJEC	CT.				
	SS_EVENT6 creates a defined assification range repeatedly."	behavior for a T	ype 3 or Type 4 PD that	This co	ommen	nt was WIT	HDRAWN by the commenter	er.	
Response	Response Status C			OBE b	y 251				
ACCEPT.					,				

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Darshan, Yair	33.3.3.12	P 130 Microsemi	L 24	# 251	C/ 33 Yseboodt,	SC 33.3.3.12 Lennart	P 130 Philips	L 44	# 456	
Comment Type	TR Comm	nent Status A		Pres: Darshan9	Comment	Type TR	Comment Status A		Pres: Darshan	
remedy.)		comment with error eed to be updated to		used for the proposed	pd_dll Doesr	_enabled_model	state diagram has two variat 3. DLL can only be enabled or o	• = =	_	
See darshan_			Support DEE.		Suggested	,				
SuggestedRemed	ly					e both into pd_d	l_enabled.			
See darshan_	_09_0916.pdf for p	roposed remedy.					of pd_dll_enabled_modeA	and pd_dll_enab	led_modeB to	
Response Response Status C						lual-sig state diagram.				
ACCEPT IN P	ACCEPT IN PRINCIPLE.			Response		Response Status C				
adopt change	s shown as option	B in darshan_09_09	916Rev005.pdf (n pages 11-20	AUUE	PT IN PRINCIPL	E.			
					OBE b	oy 251				
with editorial li	icense				CI 33	SC 33.3.3.12	P 132	L 32	# 457	
CI 33 SC :	33.3.3.12	P 130	L 26	# 276	Yseboodt,	Lennart	Philips			
Beia, Christian		STMicroelectr	onics		Comment	Туре Т	Comment Status A		PD S	
figures 33-33 SuggestedRemed Replace the ir	Comment Type T Comment Status A PD SD The Type 3 and Type4 dual-signature variables are only relevant to the state diagrams in figures 33-33 and 33-34. SuggestedRemedy SuggestedRemedy Replace the introduction of 33.3.3.12 with the following: The Type 3 and Type 4 dual-signature PD state diagrams uses the following variables,					Controls presenting the detection signature (see 33.3.4) by the PD over Mode A. invalid:A non-valid PD detection signature is to be applied to the link over Mode A regardless of any voltage above V Reset applied to Mode B. valid:A valid PD detection signature is to be applied to the link over each pairset over Mode A regardless of any voltage above V Reset applied to Mode B.				
		s 33-33 and 33-34:		5			r for dual-sig PDs is already	/ defined in 33.3.	4. These descriptions	
Response	Respo	nse Status C				ate that but with	differing details.			
ACCEPT IN P	PRINCIPLE.				Suggested	•	۸.			
OBE by 102					invali	A valid PD dete	A: detection signature is to be tion signature is to be applie			
					Response		Response Status C			
					ACCE	PT IN PRINCIPL	C			
					1000		L.			
						ce with:	L.			

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C/ 33 SC 33.3.3.12 P 132 L 40 # 458 Yseboodt, Lennart Philips Philips	C/ 33 SC 33.3.3.12 P 133 L 44 # 278 Beia, Christian STMicroelectronics Image: Christian Image: Chri
Comment Type T Comment Status A PD SD present_det_sig_modeB: Controls presenting the detection signature (see 33.3.4) by the PD over Mode B. invalid:A non-valid PD detection signature is to be applied to the link over Mode B. regardless of any voltage above V Reset applied to Mode B. valid:A valid PD detection signature is to be applied to the link over each pairset over Mode B regardless of any voltage above V Reset applied to Mode B. The detection behaviour for dual-sig PDs is already defined in 33.3.4. These descriptions duplicate that but with differing details.	Comment Type E Comment Status A Editorial VPD_ModeA may be defined better SuggestedRemedy Equation 1.4.425 over Mode A Equation 1.4.425 over Mode A With Voltage at the PD PI as defined in 1.4.425 where the powered pair belongs to Mode A
SuggestedRemedy present_det_sig_modeB: invalid:A non-valid PD detection signature is to be applied to the link over Mode B. valid:A valid PD detection signature is to be applied to the link over each pairset over Mode B.	Response Response Status C ACCEPT IN PRINCIPLE. Replace: Voltage at the PD PI as defined in 1.4.425 over Mode A
Response Response Status C ACCEPT IN PRINCIPLE. Replace with: present_det_sig_modeB: invalid:A non-valid PD detection signature is to be applied to the link over Mode B. valid:A valid PD detection signature is to be applied to the link over Mode B.	with The voltage at the PD PI measured between any positive conductor and any negative conductor of the mode A pairs

Pa **133** Li **44**

CI 33 SC 33.3.3.12 P 133 L 46 # 279 Beia, Christian STMicroelectronics End 200 End 200	C/ 33 SC 33.3.14 P 134 L 10 # 280 Beia, Christian STMicroelectronics # 280 10 # 10 10 # 10 10
Comment Type E Comment Status A Editorial VPD_ModeB may be defined better SuggestedRemedy	Comment TypeTComment StatusAPD SThe Type 3 and Type4 dual-signature functions are only relevant to the Type 3 and Type 4 state diagrams in figure 33-32.
Replace: Voltage at the PD PI as defined in 1.4.425 over Mode B with Voltage at the PD PI as defined in 1.4.425 where the powered pair belongs to Mode B	SuggestedRemedy Add at the beginning of 33.3.3.9 the following sentence : The Type 3 and Type 4 dual-signature PD state diagrams use the following functions, which are only relevant to figures 33-33 and 33-34: Response Response Status C ACCEPT IN PRINCIPLE.
Response Response Status C ACCEPT IN PRINCIPLE. Replace:	OBE by 102 C/ 33 SC 33.3.3.14 P 134 L 15 # 459
Voltage at the PD PI as defined in 1.4.425 over Mode B with	Yseboodt, Lennart Philips Comment Type E Comment Status A Pres: Yseboods do_class_timing_modeA returns variable "short_mps".
The voltage at the PD PI measured between any positive conductor and any negative conductor of the mode B pairs And removed "powered" (2x) from definition of VPD. C/ 33 SC 33.3.3.13 P 133 L 51 # 277 Beia, Christian STMicroelectronics Comment Type T Comment Status A PD SD The Type 3 and Type4 dual-signature timers are only relevant to the Type 3 and Type 4	This needs to be handled on a per pairset basis. SuggestedRemedy Rename "short_mps" to "short_mps_modeA" and rename where needed in the state diagram. Response Response Status C ACCEPT IN PRINCIPLE. Split into modeA and modeB variables and combine with Yseboodt4 changes.
state diagrams in figure 33-33 and 33-34 SuggestedRemedy	C/ 33 SC 33.3.3.14 P 134 L 20 # 358 Yseboodt, Lennart Philips
Add after the first paragraph the following sentence: The Type 3 and Type 4 dual-signature PD state diagrams use the following timers, which are only relevant to figures 33-33 and 33-34: Response Response Status C ACCEPT IN PRINCIPLE. OBE by 102	Comment Type E Comment Status A Pres: Yseboods do_class_timing_modeB returns variable "short_mps". This needs to be handled on a per pairset basis. Pres: Yseboods SuggestedRemedy Rename "short_mps" to "short_mps_modeB" and rename where needed in the state diagram. Response Response Status C ACCEPT IN PRINCIPLE. Pres: Yseboods Pres: Yseboods Pres: Yseboods

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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CI 33 SC 33.3.3.15 P 135 L 5 Picard, Jean Texas Instruments	# 29	Cl 33 SC 33.3.15 P 136 L 5 # 297 Schindler, Fred Seen Simply, Broadco
Comment Type TR Comment Status A	PD SD	Comment Type TR Comment Status A Pres: Darsha
VPD should refer to ModeA SuggestedRemedy Replace every occurrence of VPD with VPD_modeA. Response ACCEPT IN PRINCIPLE. C		The dual-signature state diagram (SD), Figures 33-33 and 33-24, should match the single- signature SD, which will make it more likely that one DLL SD can be used for both PSE versions. For example, state MDI_POWER1_modeA, "pse_dll_power_level_modeA > 1" should be "pse_dll_power_type > 1", and state DLL_ENABLE_modeA, should be "pse_power_type > 1". No differentiation for A and B is required if the power negotiated is for the PD PI total power. Many DS SD need to be fixed, which may change things that affect this remedy.
Suggest Remedy only applies to all of page 135.		SuggestedRemedy
Cl 33 SC 33.3.3.15 P 135 L 13 Beia, Christian STMicroelectronics Comment Type ER Comment Status A Figure 33-33 VPD is not defined for dual signature PD	# 281 PD SD	Make the provided changes made in the comment and replacing "pse_power_modeX" for Figure 33-33 and for Figure 33-34 where X = A or B; remove all "modeX" in these figures, and on line 1 of each figure add, "Editor's Note: readers are encouraged to improve this section and better tie this information to section 33.6 DLL." Alternatively, only provide the Editor's note. This comment is related to other comments marked COMMENT-4. This comment should not be considered satisfied until an acceptable solution is provided to addess the comment made.
SuggestedRemedy		Response Response Status C
Change: "VPD"		ACCEPT IN PRINCIPLE.
to: "VPD_modeA"		OBE by 251
Response Response Status W ACCEPT IN PRINCIPLE.		Cl 33 SC 33.3.3.15 P 136 L 25 # 282 Beia, Christian STMicroelectronics
OBE by 29		Comment Type ER Comment Status A Pres: Darshal Figure 33-33 pd_dll_enabled is not defined for dual signature PD
		SuggestedRemedy
		Change: "!pd_dll_enabled" and "pd_dll_enabled" respectively to: "!pd_dll_enabled_modeA" and "pd_dll_enabled_modeA"
		Response Response Status W
		ACCEPT IN PRINCIPLE.

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: Page, Line Pa **136** Li **25** Page 73 of 126 9/16/2016 3:02:19 PM

C/ 33 SC 33.3.3.15 Yseboodt, Lennart	P 136 Philips	L 35	# 359	C/ 33 Beia, Chris	SC 33.3.3.15 stian	6 P 138 STMicroelec	L 25 tronics	# 284
	Comment Status A diagram has states DLL_ENA DLL is mandatory for dual-sig			<i>Comment</i> Figure pd_dll_	33-34	Comment Status A)	Pres: Darshan9
- Add statement "pd_d - Add statement "pd_d <i>Response</i> ACCEPT IN PRINCIPL	ENABLE_modeA and DLL_E I_enabled <= TRUE" to the N I_enabled <= TRUE" to the N <i>Response Status</i> C E.	IDI_POWER1_	modeA state	and "pd_dl respec "!pd_d and	e: II_enabled" I_enabled" tively to: II_enabled_mod			
OBE by 251 C/ 33 SC 33.3.3.15 Picard, Jean Comment Type TR	P 137 Texas Instrun Comment Status A	L 5 nents	# 30 PD SD	Response	I_enabled_mode	Response Status W		
VPD should refer to Mo SuggestedRemedy	nce of VPD with VPD_model Response Status C	3.			SC 33.3.4 Lennart <i>Type</i> E presents a valid	P 138 Philips Comment Status A detection signature while it i red via the PI per Figure 33-		# <u>360</u> <i>PD Detection</i> re it accepts power via
Suggest remedy applie Cl 33 SC 33.3.3.15 Beia, Christian Comment Type ER Figure 33-34 VPD not defined for du SuggestedRemedy Change: "VPD" to: "VPD_modeB"	STMicroelecti Comment Status A	L 11 ronics	# 283 PD SD	What i mdi_pr If so th - not p - not a Suggestea "A PD in Figu Response	s "a state where ower_required. iis statement is v equired to do val ossible to do val llowed to do vali <i>Remedy</i> presents a valid	id detect when in IDLE id detect when in CLASS d detect when in MARK detection signature when it 33-32, Figure 33-33, and Fi <i>Response Status</i> C	? I can only ima	gine this being
Response ACCEPT IN PRINCIPL OBE by 30	Response Status W E.			"A PD	presents a valid	detection signature when it 3-32, Figure 33-33, and Figu		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalPa 138COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnLi 46SORT ORDER: Page, Line

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CI 33 SC Yseboodt, Lenna	33.3.4 art	P 138 Philips	L 49	# 361	C/ 33 Yseboodt,	SC 33.3.4 Lennart	Р 139 Philips	L 7	# 363
Comment Type	Е	Comment Status A		Editorial	Comment	Туре Т	Comment Status R		PD Detection
not accept p	ower via th	alid detection signature at th e PI per Figure 33-32." ther state diagrams and add			4PID ir	n Táble 79-6b o	e ability to accept power on b r by presenting a valid detecti er only one pairset."		
SuggestedReme	ədy				The las	st part of the se	ntence is a hint at Type 1 and	Type 2 dual-sic	nature PDs, something
	es not accep	alid detection signature at th t power via the PI per Figure			we hav It is als	ve left out of sco so in direct conf		it.	
Response		Response Status C			Suggested	Remedy			
ACCEPT.							e ability to accept power on b	oth pairsets usir	ng TLV variable PD
C/ 33 SC	33.3.4	P 138	L 53	# 362		n Table 79-6b."			
Yseboodt, Lenna		Philips	200	<i>"</i> 002	Response		Response Status C		
,		Comment Status A		Edtiorial	REJEC	CT.			
		ype 4 PD presents a non-val 3-31, Figure 33-32, and Figu			do this	. Type 1 and T	he last part of the sentence is ype 2 PDs are strictly forbidde et when powered from the oth	en from presenti	21
Missing figu	re ref.				C/ 33	SC 33.3.4	P 139	L 13	# 18
SuggestedReme	ədy				Jones, Cha		Cisco	- 10	
		ype 4 PD presents a non-val 33-31, Figure 33-32, Figure 3			Comment	Туре Е	Comment Status D		PD Detection
Response ACCEPT.		Response Status C					rre is a resistance calculated t tion process". Didn't this use		
ACCEPT.					Suggested	Remedy			
					change	e: "calculated fr	om two voltage/current measu	urements"	

to: "calculated from at least two voltage/current measurements"

Proposed Response Response Status Z

REJECT.

This comment was WITHDRAWN by the commenter.

Pa 139 Li 13

C/ 33 SC 33.3.4 Yseboodt, Lennart	P 139 Philips	L 30	# 364	<i>Cl</i> 33 <i>SC</i> 33.3.4 Yseboodt, Lennart	P 140 Philips	L 6	# 366
SuggestedRemedy	Comment Status A ns an editing instruction. le 33-14 and 33-15 as follows	."	Editorial	"Rdetect_invalid" in detection signature of	Comment Status A ainst D1.7 changed the Parame Table 33-22. Tables 33-21 and consists of respectively. The reise that same name in both table	33-22 show what ference to Rdete	at a valid and invalid
Response ACCEPT.	Response Status C			SuggestedRemedy In Table 33-22, rena	me "Rdetect_invalid" to "Rdete	ect".	
C/ 33 SC 33.3.4 Jones, Chad	P 139 Cisco	L 31	# 19	Response ACCEPT.	Response Status W		
Comment Type E "while a PD that prese while a PD that PRESI	Comment Status A nt the signature of Table 33–2	22 is assured to	<i>Editorial</i> fail detection"	C/ 33 SC 33.3.4 Yseboodt, Lennart	P 140 Philips	L 13	# 367
SuggestedRemedy change 'present' to 'pre-				<i>Comment Type</i> T Figure 33-35 on 'Val	Comment Status A id PD detection signature offse	t' refers to IPort	PD Detection [A] in the Y axis.
Response ACCEPT.	Response Status C			SuggestedRemedy Replace by IPort-2P			
C/ 33 SC 33.3.4	P 139	L 45	# 365	Response ACCEPT.	Response Status C		
Yseboodt, Lennart Comment Type T	Philips Comment Status A		PD Detection	C/ 33 SC 33.3.5 Yseboodt, Lennart	P 140 Philips	L 36	# 368
containts a parameter	PD detection signature charact "Voltage at the PI" with Condi ns only over 2P (right?), this s	itions "IPort = 12	24 uA".		Comment Status A ments for dual-signature are lis he draft this is reversed.	sted first, followe	<i>Editorial</i> d by single-signature.
SuggestedRemedy Change IPort to IPort-2				SuggestedRemedy Put the paragraph or	n single-signature first.		
Unange, measureu	Response Status C			Response	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: Page, Line

Pa **140** Li **36**

CI 33 SC 33.3	.5 <i>P</i> 140	L 42	# 369	C/ 33	SC 33.3.5	P 140	L 45	# 370
rseboodt, Lennart	Philips			Yseboodt,	Lennart	Philips		
Comment Type E	Comment Status A		Editorial	Comment	Type TR	Comment Status A		PD Signature
	ess of any voltage applied to Mod ess of any voltage applied to Mod fter 'Mode x'			voltage	e or current is a	D shall present a valid detectio applied to Mode B, and shall pr ltage between 10.1V and 57V	esent an invalid	detection signature on
0				Writter	n this way, the	requirement only holds for Mod	le A. While it is	difficult to conceive a
SuggestedRemedy "- Mode A, regardl	less"			PD tha	at manages to r	neet this requirement on Mode ntors should never be underest	A, but fails to d	
Response	Response Status C			Suggested	Remedy			
ACCEPT. <i>Cl</i> 33 SC 33.3 Jones, Chad	.5 P 140 Cisco	L 44	# 20	when r detecti	no voltage or cu ion signature o	D shall present a valid detectio urrent is applied to the other Me n Mode A or Mode B, when any lode. These requirements appl	ode, and shall p voltage betwee	resent an invalid en 10.1V and 57V is
detection signature	erse of this sentence: "A single-sig e on Mode A, when no voltage or detection signature on Mode A, v	current is applie	d to Mode B, and shall	"A sing voltage signatu	e or current is a ure on that Moo	Response Status W PLE. D shall present a valid detectio applied to the other Mode, and de when any voltage between 1 ments apply to both Mode A ar	shall present an 0.1V and 57V is	invalid detection
	: "A single-signature PD shall pre				•			# 540
	voltage or current is applied to M e on Mode B, when any voltage b			C/ 33 Stover, Da	SC 33.3.5 vid	P 140 Linear Techno	L 45 blogy	# 518
Response	Response Status W			Comment		Comment Status A		PD Signature
ACCEPT IN PRIN	,			Conne	ction check rec	quirements for single-signature	PDs are specifi	ed asymettrically.
				Suggested	lRemedy			
OBE by 370				signatu applied	ure PD shall pro	text to "A single-signature PD esent a valid detection signature of shall present an invalid detern V and 57V is applied to Mode	re on Mode B, w ction signature	hen no voltage is
				Response		Response Status C		
				ACCEI	PT IN PRINCIF	PLE.		
				0051	070			

OBE by 370

Pa **140** Li **45**

C/ 33 SC 33.3.5	P 140	L 48	# 371	C/ 33	SC 33.3	.6	P 141	L 21	# 373
Yseboodt, Lennart	Philips			Yseboodt	, Lennart		Philips		
Comment Type E	Comment Status A		Editorial	Comment	Туре Т		Comment Status A		Pres: Yseboodt9
In the section 33.3.9 PDs. No context is provid	5 on PD signature we list the two ed.	requirements f	or single and dual sig	indica	ition if under	power	e 1 PD power restrictions and ed. The method of active ind		
SuggestedRemedy Add third paragraph	: s allow the PD to be correctly id	antified by a PS	E performing	- unte	active indicat estable of scope for		nall is: eroperability standard		
	s defined in 33.2.6.1."		L performing	Suggeste	dRemedy				
Response	Response Status C			" sh	all conform	о Тур	e 1 PD power restrictions."		
ACCEPT.	·			Response ACCE	9 EPT IN PRIN	CIPLE	Response Status C		
C/ 33 SC 33.3.6 Yseboodt, Lennart	P 140 Philips	L 54	# 372	Instea	ad of remedy	, char	ige the paragraph on page 14	41 as follows:	
	Comment Status A ss during Physical Layer classifi e 4 PD shall draw across all inp			classi restric or Typ user v	fication or D ctions and sh be 4 PD that	ata Lir Iall pro is ass	not successfully observe a M nk Layer classification shall c ovide the user with an active igned to a Class lower than t ation if underpowered. The n	onform to Type indication if une the Class it req	a 1 PD power derpowered. A Type 3 uested shall provide the
SuggestedRemedy				C/ 33	SC 33.3	.6.1	P 141	L 42	# 285
	ed by the PD during Physical La or Type 4 PD shall draw."	yer classificatio	n is the maximum	Beia, Chri			STMicroelectro	onics	
Response ACCEPT.	Response Status C			In add classi	entence: dition to a va fication sign	ature a	Comment Status A ection signature, PDs shall p as specified in Table 33-23 cations, not only to single-Ev		
				In add	the followin dition to a va	lid det	ence to the end of paragraph ection signature, PDs shall p as specified in Table 33-23.		acteristics of a

Response

Response Status C

ACCEPT.

Pa **141** Li **42**

<i>CI</i> 33 Stover, Davi	SC 33.3.6.2 id	P 142 Linear Techno	L 43 ology	# 519	CI 33 Schindler, Free	SC 33.3.6.2	P 143 Seen Simpl	L 18 ly, Broadco	# 300
Comment Ty	vpe T	Comment Status A		PDClass	Comment Type	e TR	Comment Status A		PD Pow
For Clas calculate (min), R	ss 8 PDs, P_Cla ted by Equation R_Chan (max), a	ass as defined in Table 33-1 33-2. Specifically, P_Class i ind P_Class_PD (min).		h P_Class as	Variable p Type 3 an 33–28 for	se_power_lev d Type 4 PDs	vel is not defined for Type- s shall conform to the elect pse power level state var	rical requirement	ting sentence is "Type 2 s as defined by Table
SuggestedR In Table	•	e P_Class_PD for single-sig	nature Class 8 I	PDs from 71.0W to	comments	marked CON	· =		
71.3W.					SuggestedRer	•			
Response		Response Status C			Delete "Ty	pe 2, ".			
ACCEP	ΥТ.				Response		Response Status W		
CI 33	SC 33.3.6.2	P 143	L 1	# 520	ACCEPT.				
Stover, Davi		Linear Techno	-	020	CI 33	SC 33.3.6.2	P 143	L 29	# 298
Comment Ty	vpe T	Comment Status A		PD Power	Schindler, Free	t	Seen Simpl	y, Broadco	
For dual		s 5 PDs, P_Class as defined			Comment Type		Comment Status A ses to implement short		Pres: Ysebood
P_Class V_Port_	_PSE (min), R_0	by Equation 33-2. Specificall Chan (max), and P_Class_P		3-2 is ~44.8W with	MPS, a PI	D may set sho	ort_mps to" may be imp letermine if "it" is the PSE		nge reduces the amount
P_Class V_Port_ SuggestedR	_PSE (min), R_0 Re <i>medy</i>		D (min).		MPS, a PI of thinking <i>SuggestedRer</i> Replace th	D may set sho required to d <i>nedy</i> ne called-out t	ort_mps to" may be imp	or the PD.	•
P_Class V_Port_ SuggestedR In Table 35.6W.	_PSE (min), R_0 Re <i>medy</i>	Chan (max), and P_Class_P	D (min).		MPS, a PI of thinking <i>SuggestedRer</i> Replace th short_mps	D may set sho required to d <i>nedy</i> ne called-out t	ort_mps to …" may be imp letermine if "it" is the PSE text with, "If a PD chooses	or the PD.	•
P_Class V_Port_ SuggestedR In Table 35.6W.	_PSE (min), R_0 Remedy e 33-25, increase	Chan (max), and P_Class_P e P_Class_PD for dual-signa	D (min).		MPS, a PE of thinking <i>SuggestedRer</i> Replace th short_mps <i>Response</i>	D may set sho required to d <i>nedy</i> ne called-out t to"	ort_mps to …" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C	or the PD.	•
P_Class V_Port_ SuggestedR In Table 35.6W. Response ACCEP	_PSE (min), R_C Remedy e 33-25, increase PT.	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C	D (min).	Ds from 35.5W to	MPS, a PE of thinking <i>SuggestedRer</i> Replace th short_mps <i>Response</i>	D may set sho required to d <i>nedy</i> ne called-out t	ort_mps to …" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C	or the PD.	•
P_Class V_Port_ SuggestedR In Table 35.6W. Response ACCEP	_PSE (min), R_C Remedy e 33-25, increase PT. SC 33.3.6.2	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C <i>P</i> 143	D (min). ature Class 5 PI		MPS, a PE of thinking <i>SuggestedRer</i> Replace th short_mps <i>Response</i>	D may set sho required to d nedy ne called-out t to"	ort_mps to …" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C	or the PD.	•
P_Class V_Port_ SuggestedR In Table 35.6W. Response ACCEP Cl 33 Schindler, Fi Comment Ty	_PSE (min), R_C Remedy e 33-25, increase PT. SC 33.3.6.2 Fred Type TR	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C <i>P</i> 143 Seen Simply, <i>Comment Status</i> A	D (min). ature Class 5 PI <i>L</i> 4 Broadco	Ds from 35.5W to # 299 PD Class	MPS, a PE of thinking SuggestedRer Replace th short_mps Response ACCEPT I OBE by 37 C/ 33	o may set sho required to d nedy te called-out t to" N PRINCIPLI 76 SC 33.3.6.2.1	ort_mps to …" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C E. <i>P</i> 144	or the PD.	•
P_Class V_Port_ SuggestedR In Table 35.6W. Response ACCEP Cl 33 Inchindler, Fil Comment Ty Table 33	_PSE (min), R_C Remedy e 33-25, increase PT. SC 33.3.6.2 Fred Type TR 3-25 is for dual-	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C <i>P</i> 143 Seen Simply, <i>Comment Status</i> A signature PDs that may have	D (min). ature Class 5 PI <i>L</i> 4 Broadco e different powe	Ds from 35.5W to # 299 <i>PD Class</i> r demands on each	MPS, a PE of thinking SuggestedRer Replace th short_mps Response ACCEPT I OBE by 37	o may set sho required to d nedy te called-out t to" N PRINCIPLI 76 SC 33.3.6.2.1	ort_mps to …" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C E.	or the PD. to implement sho	ort MPS, it may set
P_Class V_Port_ SuggestedR In Table 35.6W. Response ACCEP Cl 33 Schindler, Fi Comment Ty Table 33 Mode.	_PSE (min), R_C Remedy e 33-25, increase PT. SC 33.3.6.2 Fred Type TR 3-25 is for dual-	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C <i>P</i> 143 Seen Simply, <i>Comment Status</i> A signature PDs that may have provide on page 148 line 20	D (min). ature Class 5 PI <i>L</i> 4 Broadco e different powe	Ds from 35.5W to # 299 <i>PD Class</i> r demands on each	MPS, a PE of thinking SuggestedRer Replace th short_mps Response ACCEPT I OBE by 37 C/ 33	D may set sho required to d nedy ne called-out t to" N PRINCIPLI 76 GC 33.3.6.2.1 nart	ort_mps to …" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C E. <i>P</i> 144	or the PD. to implement sho	ort MPS, it may set
P_Class V_Port_ SuggestedR In Table 35.6W. Response ACCEP Cl 33 Schindler, Fi Comment Ty Table 33 Mode. T Pclass_ SuggestedR	_PSE (min), R_C Remedy a 33-25, increase PT. SC 33.3.6.2 Fred Type TR 3-25 is for dual- The definitions p _PD-2P rather the Remedy	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C <i>P</i> 143 Seen Simply, <i>Comment Status</i> A signature PDs that may have provide on page 148 line 20 han Pclass_PD.	D (min). ature Class 5 PI <i>L</i> 4 Broadco e different powe also require tha	Ds from 35.5W to # 299 <i>PD Class</i> r demands on each	MPS, a PE of thinking SuggestedRer Replace th short_mps Response ACCEPT I OBE by 37 CI 33 S Yseboodt, Len Comment Typ	D may set sho required to d nedy ne called-out t to" N PRINCIPLI 76 SC 33.3.6.2.1 nart e E PD is preser	ort_mps to …" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C E. <i>P</i> 144 Philips	or the PD. to implement sho	ort MPS, it may set # <u>374</u> <i>Editor</i>
P_Class V_Port_ uggestedR In Table 35.6W. esponse ACCEP / 33 chindler, Fi omment Ty Table 33 Mode. Ty Pclass_ uggestedR Replace	_PSE (min), R_C Remedy a 33-25, increase PT. SC 33.3.6.2 Fred Type TR 3-25 is for dual- The definitions p _PD-2P rather the Remedy	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C <i>P</i> 143 <i>Seen Simply,</i> <i>Comment Status</i> A signature PDs that may have provide on page 148 line 20 nan Pclass_PD. Table 33-25 with Pclass_PD	D (min). ature Class 5 PI <i>L</i> 4 Broadco e different powe also require tha	Ds from 35.5W to # 299 <i>PD Class</i> r demands on each	MPS, a PE of thinking SuggestedRer Replace th short_mps Response ACCEPT I OBE by 37 Cl 33 S Yseboodt, Len Comment Type "When the Figure 33-	D may set sho required to d nedy ne called-out t to" N PRINCIPLI 76 SC 33.3.6.2.1 nart e E PD is preser	ort_mps to" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C E. <i>P</i> 144 Philips <i>Comment Status</i> A nting a mark event signatu	or the PD. to implement sho	ort MPS, it may set # <u>374</u> <i>Editor</i>
P_Class V_Port_ uggestedR In Table 35.6W. Pesponse ACCEP 33 chindler, Fl 33 chindler, Fl 20 mment Ty Table 33 Mode. Pclass_ uggestedR Replace Pesponse	_PSE (min), R_C Remedy e 33-25, increase PT. SC 33.3.6.2 Fred 3-25 is for dual- The definitions p _PD-2P rather the Remedy e Pclass_PD in	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C <i>P</i> 143 Seen Simply, <i>Comment Status</i> A signature PDs that may have provide on page 148 line 20 han Pclass_PD.	D (min). ature Class 5 PI <i>L</i> 4 Broadco e different powe also require tha	Ds from 35.5W to # 299 <i>PD Class</i> r demands on each	MPS, a PE of thinking SuggestedRer Replace th short_mps Response ACCEPT I OBE by 37 Cl 33 S Yseboodt, Len Comment Type "When the Figure 33-	o may set sho required to d nedy ne called-out t to" N PRINCIPLI 76 SC 33.3.6.2.1 nart e PD is preser 32"	ort_mps to" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C E. <i>P</i> 144 Philips <i>Comment Status</i> A nting a mark event signatu	or the PD. to implement sho	ort MPS, it may set # <u>374</u> <i>Editor</i>
P_Class V_Port_ SuggestedR In Table 35.6W. Response ACCEP 33 Schindler, Fi Comment Ty Table 33 Mode. Ty Pclass_ SuggestedR Replace	_PSE (min), R_C Remedy e 33-25, increase PT. SC 33.3.6.2 Fred 3-25 is for dual- The definitions p _PD-2P rather the Remedy e Pclass_PD in	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C <i>P</i> 143 <i>Seen Simply,</i> <i>Comment Status</i> A signature PDs that may have provide on page 148 line 20 nan Pclass_PD. Table 33-25 with Pclass_PD	D (min). ature Class 5 PI <i>L</i> 4 Broadco e different powe also require tha	Ds from 35.5W to # 299 <i>PD Class</i> r demands on each	MPS, a PE of thinking SuggestedRer Replace th short_mps Response ACCEPT I OBE by 37 C/ 33 S Yseboodt, Len Comment Type "When the Figure 33- Incomplete SuggestedRer "When the	D may set sho required to d nedy ne called-out t to" N PRINCIPLI 76 5C 33.3.6.2.1 nart P PD is preser 32" e Figure refer nedy PD is preser	ort_mps to" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C E. <i>P</i> 144 Philips <i>Comment Status</i> A nting a mark event signatu	or the PD. to implement sho <i>L</i> 3 re as shown in th re as shown in th	e state diagram of
P_Class V_Port_ SuggestedR In Table 35.6W. Response ACCEP Cl 33 Schindler, Fi Comment Ty Table 33 Mode. Ty Pclass_ SuggestedR Replace Response	_PSE (min), R_C Remedy e 33-25, increase PT. SC 33.3.6.2 Fred 3-25 is for dual- The definitions p _PD-2P rather the Remedy e Pclass_PD in	Chan (max), and P_Class_P e P_Class_PD for dual-signa <i>Response Status</i> C <i>P</i> 143 <i>Seen Simply,</i> <i>Comment Status</i> A signature PDs that may have provide on page 148 line 20 nan Pclass_PD. Table 33-25 with Pclass_PD	D (min). ature Class 5 PI <i>L</i> 4 Broadco e different powe also require tha	Ds from 35.5W to # 299 <i>PD Class</i> r demands on each	MPS, a PE of thinking SuggestedRer Replace th short_mps Response ACCEPT I OBE by 37 C/ 33 S Yseboodt, Len Comment Type "When the Figure 33- Incomplete SuggestedRer "When the	D may set sho required to d nedy ne called-out t to" N PRINCIPLI 76 5C 33.3.6.2.1 nart P PD is preser 32" e Figure refer nedy PD is preser	ort_mps to" may be imp letermine if "it" is the PSE text with, "If a PD chooses <i>Response Status</i> C E. <i>P</i> 144 Philips <i>Comment Status</i> A nting a mark event signatu rence.	or the PD. to implement sho <i>L</i> 3 re as shown in th re as shown in th	e state diagram of

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CI 33 SC 33.3.6		L 23	# 375	CI 33	SC 33.3.7		P 145	L 1	# 301
Yseboodt, Lennart	Philips			Schindler,	Fred	Se	en Simply, I	Broadco	
Comment Type E	Comment Status A		Editorial	Comment	51	Comment Stat			Pres: Yseboodt4
There is no such th SuggestedRemedy Axe sentence. Response ACCEPT.	or more information on Autoclass hing. Response Status C			defaul classif succes classif The Pl state." senter signati	t value of pse_p fication has com ssful Data Link I fication has com D resets the pse . This text only nce. DLL does n ure state diagram	ower_level is 3. Af pleted the pse_por _ayer pleted, the pse_por e_power_level to '1 applies to Type 3 ot affect the variab ms may remove th	ter a succes wer_level is ' when the F and 4 PDs. ' le and Physi e appending	sful Multiple-E set to either 3 D enters the The first sente cal layer alwa of _modeA o	DO_DETECTION ence contradicts the last ays sets it. Dual-
C/ 33 SC 33.3.7 Yseboodt, Lennart	7 P 145 Philips	L 1	# 376	related	d to comments r	marked COMMENT			
Comment Type TR	Comment Status A		Pres: Yseboodt4	Suggested	-				and 4 PDs provide a
 It is only valid for SuggestedRemedy 	E Type identification has two pro Type 3 and Type 4, we lost the l 4_0916_psetypeid.pdf			defaul senter pse_p provid	t value of 3 for p nce, "After a suc ower_level is se es a related Edi	ose_power_level in cessful Data Link l t to either 3, 4, 6 o	the DO_DE Layer classif r 8. " A comi ne sentence	TECTION sta ication has co ment marked "The PD rese	te." Delete the
Response	Response Status C			Response		Response Stat	us C		
ACCEPT.					PT IN PRINCIP	LE.			
				OBE b	·				
				CI 33 Yseboodt,	SC 33.3.7 Lennart		P 145 nilips	L 5	# 377
				<i>Comment</i> "The F		Comment Stat e_power_level to '		D enters the	Pres: Yseboodt4 DO_DETECTION state."
				Wrong	g. Should be 3.				
					PD resets the ps	e_power_level to ' boodt_04_0916_ps		PD enters the	DO_DETECTION state."
				Response		Response Stat			
				ACCE	PT IN PRINCIP	LE.			

Pa **145** Li **5**

C/ 33 SC 33.3.7 Stover, David	P 145 Linear Techn	L 5 ology	# 521	C/ 33 Stover, Da	SC 33.3.8 vid	<i>P</i> 14 Linear	16 [.] Technolo	L 8 av	# 522
Comment Type TR	Comment Status A	5,	Pres: Yseboodt4 DO_DETECTION	Comment	Туре Е	Comment Status	Α		PD Types can only be Class 7 or
Type 2 PDs do not h	ype 3 and Type 4 PD reset pse have a defined variable named Also (TFTD) why do we have tw	pse_power_type	e, which IS set to 1 in	Class Suggested	IRemedy				- 0
SuggestedRemedy					ce "All" IN PD Ty	pe column for Single-	0	D, Class 0 to) 6 With "1, 2, 3"
enters the DO_DET	ype 1 and Type 2 PDs reset the ECTION state. Type 3 and Typ the DO_DETECTION state."			Response ACCE	PT IN PRINCIPI	Response Status LE.	С		
Response	Response Status C			OBE b	y 523				
				C/ 33 Stover, Da	SC 33.3.8 vid	P 14 Linear	16 [.] Technolo	L 25 gy	# 523
OBE by 213				Comment	Type ER	Comment Status	Α		PD Power
2/ 33 SC 33.3.8 seboodt, Lennart	P 145 Philips	L 15	# 378	PD Ty	pe column for du	ual-signature entries ir	n I_Inrush_	PD-2P is inco	
Comment Type E The fontsize of the a This damn problem	Comment Status A additional information field in Ta keeps reappearing.	ble 33-28 is inco	<i>Editorial</i> onsistent.	signati	ce PD Type colu	mn for "Dual-signature with "4" (is blank).		s 1 to 4" with	"3" (is 4); for "Dual-
SuggestedRemedy Make font size corre	ect.			Response ACCE	PT IN PRINCIPI	Response Status LE.	C		
Response ACCEPT.	Response Status C			•		omment 523 from yset Type entry in item 6,		_	
C/ 33 SC 33.3.8 (seboodt, Lennart	P 145 Philips	L 41	# 379	C/ 33 Yseboodt,	SC 33.3.8 Lennart	P 14 Philips		L 29	# 380
<i>comment Type</i> TR Table 33-28 has an	Comment Status A incorrect value for Type 4 overl se we have Pclass_pd-2P = 1.0		PD Power	Comment		Comment Status	Α		PD Power
1.841A.	ltage is 52 - 6.25 * 1.841 = 40.5		with current =	Since	the text in 33.3.8		, and this t	ext is written	alue of 80ms. to apply to both single
uggestedRemedy					0	don`t really need the T	delay para	ameter.	
Change Table 33-28	8, item 3, Type 4 value from 39.	5 to 40.5		Suggested	-				
esponse ACCEPT IN PRINC	Response Status C IPLE.			- Char		, item 8 , item 9 (Tdelay-2P), a n up Tdelay references		read "See 33.	.3.8.3".
Change to 40.4.				Response ACCE		Response Status			
[YPE: TR/technical req	uired ER/editorial required GR	/general require	d T/technical E/editorial G				Pa 146		Page 81 of 12

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C/ 33 SC 33.3.	B P 146	L 44	# 524	C/ 33	SC 3	33.3.8.2.1	P 148	L 35	# 382
Stover, David	Linear Tech		" 324	Yseboodt,			Philips	200	
Comment Type T	Comment Status A		Pres: Darshan16	Comment	Туре	Е	Comment Status A		Editorial
P_Peak_PD-2P (u	sed in section 33.3.8.5, which re	eferences this tab	le) is missing.	"33.3.	.8.2.1 Inp	out average	e power for certain Class 6	and Class 8 PDs	5"
SuggestedRemedy Define P_Peak_PE Response	0-2P (TFTD). Response Status C			sound	ding head	der.	, the word 'certain' causes t entioned in the section.	his to be a very	odd and unsure
ACCEPT IN PRIN	•			Suggeste	dRemed	'y			
				"33.3.	.8.2.1 Inp	out average	e power for Class 6 and Cla	ss 8 PDs"	
OBE by 512 C/ 33 SC 33.3.3	B.1 <i>P</i> 148	L 15	# 381	Response ACCE			Response Status C		
Yseboodt, Lennart	Philips			C/ 33	SC 3	33.3.8.2.1	P 148	L 37	# 47
Comment Type T	Comment Status D		PD SD	Bennett, k		33.3.0.2.1	Sifos Technol	-	# 47
_	/ER1, until V PD falls below V F his text, we can do away with th		NOPOWER state in	"the	section st	y consume	greater than PClass_PD bu	ut shall not cons	Extended Power
SuggestedRemedy				PClas	ss at the	PSE PI."			
- From Figure 33-3	nove variable 'pd_undefined' 2 remove state MDI_NOPOWE		de D				defines Pclass by Rchan a will by definition cause Pcla		
- From Figure 33-3	emove variables 'pd_undefined_ 3 remove state MDI_NOPOWE 4 remove state MDI_NOPOWE	R_modeA	JUED	S <i>uggeste</i> e Apper	-	•	t to the end of the statemen	nt:	
Proposed Response REJECT.	Response Status Z					iss is the le	esser of: a) the PSEs PClas -12."	s allocation; and	b) the overmargined
This comment was	WITHDRAWN by the commen	ter.		Response ACCE		RINCIPLE	Response Status C		
				No ch	anges to	o draft.			
					o the TD ded pow		tt and Yseboodt, Add maxir	num of overmar	gined Pclass values to

Pa **148** Li **37**

C/ 33 SC 33.3.8.2 Yseboodt, Lennart	2.2 P 148 Philips	L 47	# 383	C/ 33 Darshan, Y	SC 33.3.8. 4 ′air	A P 149 Microsemi	L 17	# 221
Comment Type T	Comment Status A		PD Power	Comment	Type TR	Comment Status A		PD Powe
In the section "Syster we find: "When a Type 1, Typ supplied with V Port_	n stability test conditions durin e 2, single-signature Type 3, o PSE-2P min to V Port_PSE-2F	r single-signatu P max with R Cl	re Type 4 PD is n (as defined in Table	isolate Cx+Cy Howev	d circuits (load as seen by the er dual signate	art of Figure 33-36 is presenting s) connected to mode A and m e PSE. Ire PDs may be implemented ir which result with lower than C	ode B and sho	wing total capacitance
	ll operate at PPort_PD , as def ned in Table 33-28, and with th			Suggested	Remedy			
defined by Table 33-						e below Figure 33-36:		
and				isolate		art of Figure 33-36 is presentin s) connected to mode A and m e PSE.		
	re PD is supplied with V Port_ I in Table 33-1) in series, it sha			Howev	er dual signatu	re PDs may be implemented in which result with lower than C		e.g. using single load
in Table 33-28, with t	he ripple and noise content as	defined in Table		Response		Response Status C		
DC input operating v	oltage range as defined by Tab	le 33-28.		ACCEI	PT.			
	uirements already in Table 33-	28, a Table tha	t has a shall associated	C/ 33	SC 33.3.8.3	<i>P</i> 149	L 21	# 385
with it. Also this doesn`t belo	ong in this section anyway.			Yseboodt,		Philips		
SuggestedRemedy				Comment	Туре Е	Comment Status D		Pres: Yseboodt
Remove both paragra	aphs from this section.			"The P	D shall meet th	ne inrush requirements with the	PSE behavior	described in 33.2.8.5."
Response ACCEPT IN PRINCII TDL: Yair to rewrite t No changes to draft a				compli Do we well.	es to 33.2.8.5" really need to	s to say "PD only needs to mee say this ? The same applies to s are not conditional upon this o	nearly every of	ther PD parameter as
C/ 33 SC 33.3.8.3	<i>P</i> 149	L 1	# 384	Suggested	Remedy			
Yseboodt, Lennart	Philips	<i>L</i> 1	# 384		/e "The PD sha	all meet the inrush requirements	s with the PSE	behavior described in
Comment Type E	Comment Status A		Editorial	Proposed I	Response	Response Status Z		
1 0 1	in 33.3.8.3 isn`t entirely logical			REJEC	CT.			
1 0 1	n (that describes Cport) to befo	ore the "Input in	rush currents at startup"	This co	omment was W	ITHDRAWN by the commente	r.	
paragraph. - Move the NOTE to	after the "Single-signature PDs	assigned to" p	aragraph.		ng text from dis			
Response	Response Status C	0 · · · · F				ny source that meets the PSE raw less than linrush_PD and li		
, ACCEPT.	, -				delay-2P min.		Indon_i D-ZF I	

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C/ 33 SC 3	33.3.8.3	P 149	L 23	# 386	CI 33 SC	C 33.3.8.3	P 149	L 30	# 460
Yseboodt, Lennart		Philips			Yseboodt, Lenn	art	Philips		
Comment Type	E	Comment Status R		Editorial	Comment Type	TR	Comment Status A		PD Power
		graphs have changed as aph without consulting the					Port or C Port-2P value, then h_PD max and I Inrush_PD-;		
This whole see	ction has be	en revamped and the con	cern of MR1277	has been addressed.					
SuggestedRemedy Remove note.	Y					draw less that	ndant to the requirement a fe an I Inrush_PD and I Inrush_		
Response	F	Response Status C			SuggestedRem	edy			
REJECT.					Remove the	e "If a PD ha	s a larger " sentence.		
CI 33 SC 3 Yseboodt, Lennart	33.3.8.3	P 149 Philips	L 28	# 387	Response ACCEPT.		Response Status C		
	urrent at sta	<i>Comment Status</i> A irtup, IInrush PD-2P , is lir			Add to the T not cause is		an, Make sure removal of sha	all on page 149,	line 30 in D2.0 does
for dual-signat	ure Type 3 I	PDs and if C Port-2P < 18	0 uF for dual-sig	gnature Type 4 PDs."	CI 33 SC	C 33.3.8.4	P 150	L 43	# 525
Depends on a	ssigned Cla	ss, not PD Type.			Stover, David		Linear Techno	logy	
SuggestedRemedy	y				Comment Type	ER	Comment Status A		Editoria
		rtup, IInrush PD-2P , is lir			"P_Class_F	D as defi	ned in Table 33-28". P_Class	s_PD is defined	l in Table 33-24.
for dual-signat signature PDs		signed to Class 0 to 4, and Class 5."	d if CPort-2P < 1	80 uF for dual-	SuggestedRem	,			
	F	Response Status W			Correct refe	rence to Tab	ble 33-24.		
Response					Response		Response Status W		

OBE by 461

Pa **150** Li **43**

C/ 33 SC 33.3.8.4 Yseboodt, Lennart	P 150 Philips	L 43	# 461	C/ 33 SC 33.3.8. Bennett, Ken	4.1 P 151 Sifos Techno	L 2 logies. In	# 48
Comment Type TR In equation 33-26:	Comment Status A	may as defined i	PD Power	Comment Type T The statement:	Comment Status A		Extended Powe
_	aximum power, P Class_PD i e value, not a range. Remove ence.		n Table 33-28		nall not exceed PClass at the P 17 and with 5% duty cycle."	SE PI for more t	than TCUT-2P min, as
SuggestedRemedy	aximum power, P Class_PD,	as defined in Tal	ble 33-24		f PClass. Three interpretations vel provided by the connected P		quation 33-2, Table 33-
Response ACCEPT.	Response Status W		55-24		to the end of the statement:		
<i>Cl</i> 33 <i>SC</i> 33.3.8.4 . Yseboodt, Lennart	.1 P 150 Philips	L 50	# 462	PClass value in table		ss allocation; and	d b) the overmargined
Comment Type E	Comment Status A		Editorial	Response ACCEPT IN PRINCI	Response Status C PLE.		
"33.3.8.4.1 Peak oper;	ating power for certain Class (6 and Class 8 PE)s"	OBE by 47			
While technically correst sounding header.	ect, the word 'certain' causes t	this to be a very o	odd and unsure	C/ 33 SC 33.3.8.		L2	# 49
SuggestedRemedy "33.3.8.4.1 Peak operation	ating power for Class 6 and C	lass 8 PDs"		Bennett, Ken Comment Type T	Sifos Techno Comment Status A	U	Extended Powe
Response ACCEPT.	Response Status C				es peak power for Class 6 and is missing a Peak Power value		ver. It mirrors section
				Ppeak_PD limits use the PD and is variab	(Pport_PD) in extended mode is a fixed multiplier (1.05 x PCIas le with respect to PClass at the nd clarity, the Peak Power limit he PD PI.	ss_PD). Ppeak_ PSE (due to ch	_PD is a fixed limit at anges in channel loss).
				SuggestedRemedy			
					w to the paragraph ending on F	0	
					er shall not exceed 1.05 x Port_ Response Status C	PD max.	
				Response	Response Status C		

Pa **151** Li **2**

C/ 33	SC 33.3.8.5	P 151	L 21	# 526			SC 33.3.8.5	P 1:		# 51	
Stover, Da		Linear Techno	ology			Bennett, Ken			Technologies, In		
Comment		Comment Status A			Editorial	Comment Typ		Comment Status		PD Power	
		undantly defined here and Ta	able 33-28, Item	11.		The temp that a pea	ates show a k pulse must	second upperbound s t fall below before PS	step after Tcut-2P F TCut timing is re	min. This step is the power	
Suggested						·			5		
Assigr	n a symbol to Tab	ole 33-28, Item 11. Reference	e this symbol in 3	3.3.8.5.						ver must stay below the min may exceed the second	
Response		Response Status C						w the PClass_PD pov			
ACCE	PT.						e valid partic	on of the second step	is the transition at	TCut 2P min	
C/ 33	SC 33.3.8.5	P 151	L 21	# 527		SuggestedRe	•	on or the second step			
Stover, Da	vid	Linear Techno	ology					duration of the secon	nd sten in Figures '	33-37, 33-38, 33-39 to 1/4 or	
Comment	Type ER	Comment Status A			Editorial	,	r existing len		id step in rigules (30 07, 00 00, 00 00 10 174 01	
		e at the PI is static and in the				Response		Response Status	С		
		able 33-28 has changed to V leed changed to reflect this.	Port_PD-2P. Th	nere are multiple	е	ACCEPT	IN PRINCIPL	_E.			
Suggested	Remedy	Ũ				OBE by 5	0				
Global	l search and repla	ace V_Port_PD with V_Port_	PD-2P.			CI 33	SC 33.3.8.5	P 1	52 L 10	# 463	
Response		Response Status W				Yseboodt, Ler		Philip			
ACCE	PT.					Comment Typ	e TR	Comment Status	Α	PD Power	
C/ 33	SC 33.3.8.5	P 151	L 31	# 50		In equatio					
Bennett, K		Sifos Technol						peak operating power, aximum power, P Cla		as defined in Table 33-28 efined in Table 33-28	
Comment	Туре Т	Comment Status A		P	D Power			volue not e renge D			
descri	bed as operating	nd 33-39 show PD upperbour masks, and a normative sha			below	Ditto for P	0	value, not a range. R	emove max		
these	upperbound temp	plates.				SuggestedRe	0				
		to TCut-2P min for a single					•	naximum peak operat	ting power. Ppeak	_PD, as defined in Table 33-	
		es are not valid for multiple pe luty cycle in 33.3.8.4).	eaks that are sho	rter duration that	an	28					
Suggested	,						l => is the m	aximum power, P Cla		I in Table 33-24	
00		ollows and put it under each	respective templ	ate (replacing th	he	Response		Response Status	w		
	g notes where th	•		ate (replacing ti		ACCEPT.					
NOTE	- Figure 33-## a	pplies to a single peak which	exceeds the PC	lass_PD power	value.						
Response		Response Status C									
ACCE	PT IN PRINCIPL	Ε.									
		nett to present to TF figures and submit a new comment		ext to remove fo	or						
COMMEN		d ER/editorial required GR/ patched A/accepted R/reje					/unsatisfied	Z/withdrawn	Pa 152 Li 10	Page 86 of 126 9/16/2016 3:02:19) PM

C/ 33 SC 33.3.8.5 Jones, Chad	P 152 Cisco	L 32	# 21	C/ 33 SC 33.3.8.4 Bennett, Ken	5 P 153 Sifos Techno	L 3 logies, In	# 52
Comment Type E	Comment Status A		PD Power	Comment Type T	Comment Status A		Extended Powe
Equation (33–2) which Figure 33–37, Figure	d 33-39 there is a this note: "N n results in a slightly lower pow 33–38, Equation (33–27), Equ der figure 33-38. not to mention	ver and current t ation (33–28) ar	han results from 17 nd Equation (33–30)."	Ipeak*Vpse.	tended template and Equation to "know" Vpse: without Vpse,		·
SuggestedRemedy					mment suggested "1.05 x Ppc was accepted, it should appea		a Ppeak limit for
	the note (two places, page 151 to figure 33-38 page 152, line		age 153, line 17) and	SuggestedRemedy			
Response	Response Status C			Replace Ipeak*Vpse	with "1.05 x Pport_PD max".		
ACCEPT.				Response ACCEPT.	Response Status C		
C/ 33 SC 33.3.8.5 (seboodt, Lennart	P 152 Philips	L 43	# 464	C/ 33 SC 33.3.8.0 Yseboodt, Lennart	5 P 153 Philips	L 44	# 466
Comment Type E	Comment Status A	20"	Editorial	Comment Type E	Comment Status A		Editoria
SuggestedRemedy Fix.	ist, we have a non-subscript "·	-27		The second paragrap consequetive senten	oh of 33.3.8.6 is hard to read a	s it lists a bunch	
Response ACCEPT.	Response Status C			SuggestedRemedy Itemize the sentence	s in the second paragraph, this	s makes is visua	Ily easier to parse.
C/ 33 SC 33.3.8.5 /seboodt, Lennart	P 153 Philips	<i>L</i> 1	# 465	Response ACCEPT.	Response Status C		
Comment Type E Figure 33-39 is clippe	Comment Status A d a bit on the top.		Editorial				
SuggestedRemedy Unclip.							
Response	Response Status C						

Pa **153** Li **44**

	C 33.3.8.9	P 155	L 24	# 467	C/ 33	SC 33.	3.8.10	P 155	L 33	# 468
Yseboodt, Lenna		Philips			Yseboodt,			Philips		
conductors of across the F	Port_PD-2P ma of either Mode PI for the othe as specified in	Comment Status R ax is applied across the PI e A or Mode B according to r Mode with a 100 kOhm lo Table 33-28."	o Table 33-19, th	e voltage measured	Suggeste	g reference dRemedy ce on line 3	to Fig 33- 33 and on	Comment Status A 39, should be 33-40. line 40. Cesponse Status W		Editoria
This 'shall' c exist.	only applies w	hen precisely 57.0V is app	lied. In essence,	the shall does not	ACCE C/ 33 Darshan,	SC 33.	3.8.10	P 155 Microsemi	L 34	# 241
SuggestedReme	edy				,					
TFTD	voltogo botwo	on 01/ and 1/ Part PD 2P	mov is opplied a	aroon the DL at either	Comment Error			Comment Status A 3-39. Need to be 33-40.		Editoria
polarity spec	cified "	en 0V and V_Port_PD-2P				dRemedy ge from "Fig igure 33-40	,)"		
Response		Response Status C				0		0 (2)(2)		
REJECT.					Response ACCE	PT IN PRI		esponse Status C		
This needs	to be filed as	a maintenance request.			OBE	oy 468				
Add to TDL:	: Lennart to fi	le maintenance request.			CI 33	SC 33.	3.8.10	P 155	L 34	# 213
Cl 33 SC Bennett, Ken	C 33.3.8.10	P 155 Sifos Technol	<i>L</i> 30 ogies, In	# 53	Darshan, Comment		(Microsemi Comment Status A		Pres: Darshan
		Comment Status A es a test set-up to meet lc ility.	on-2P and Icon-	Pres: Bennett1 2P_unb, which are	33.3.8	3.10 needs	some upd	PDPI_P2P" ates. All my comments re darshan_07_0916.pdf.	lated to 33.3.8.	10 are shown with
The Normat	tive "Shall" ref	ers to a test set-up (derive	d from models) :	as the condition under	Suggeste	dRemedy				
which Icon-2		P_unb must be met. There				comments an_07_091		o 33.3.8.10 are shown with	n editing marks	on page 2 in
SuggestedReme	edy				Response	•	R	esponse Status C		
	tt_01_0916.pd	f			•	PT IN PRI		•		
Response ACCEPT.		Response Status C			adopt	changes sl	hown in da	arshan_07_0916Rev001.p	df	

C/ 33 SC 33.3.8.10 Stover, David	P 155 Linear Technol	L 34 oqv	# 528	<i>CI</i> 33 Darshan, Ya	SC 33.3.8.1 r	0 P 155 Microsemi	L 42	# 243
Comment Type ER	Comment Status A	0,	Editorial	Comment Ty		Comment Status A		Pres: Darshan7
"and R_source_min is Actually, Figure 33-40.	in the range of 0.1680hm to	5.28ohm as sl	hown in Figure 33-39".		_min and Rs	ource_max represent the Vin		
SuggestedRemedy						ts of the PSE PI components , VPort_PSE_diff as specified		
On Lines 34 and 40, repl	ace reference to Figure 33-3	9 with reference	ce to Figure 33-40.	resistanc	e). Common	mode effective resistance is t	he resistance o	f two conductors of the
Response ACCEPT IN PRINCIPLE	Response Status W			VPort_P	SE_diff. IA ar	her components connected in Id IB are the pair currents of p	airs with the sa	
ACCELLI INT KINCH EE				33A.5 to	design guide	e lines for meeting the above	requirements."	
OBE by 468				There is	some missing	g information that clarifies the	text and some	reduntant information.
C/ 33 SC 33.3.8.10	P 155	L 40	# 242	SuggestedR	emedy			
Darshan, Yair	Microsemi			Change				
Comment Type E	Comment Status A		Editorial			ource_max represent the Vin ts of the PSE PI components		
Error in the link to Figure	33-39. Need to be 33-40.			specified	in 33.2.8.4.1	, VPort_PSE_diff as specified	Ì in Table 33–17	and the channel
SuggestedRemedy					,	mode effective resistance is t her components connected in		
Change from "Figure 33- To: "Figure 33-40".	39"			VPort_P	SE_diff. IA ar	Ind IB are the pair currents of p lines for meeting the above	airs with the sa	
Response	Response Status C			T0:				
ACCEPT.				"Rsource resistanc specifiec and RPA Rsource two conc connecte	e that consis in 33.2.8.4.1 IR_PD_min , _min and Rsc uctors of the d in parallel i	ource_max represent the Vin ts of the PSE PI components , VPort_PSE_diff as specified RPAIR_PD_max specified in surce_max. Common mode ef same pair and their other con ncluding the effect of the syst currents of pairs with the sam	(RPSE_min and in Table 33-17 33A.5. See And ffective resistant ponents (that a em total pair to	d RPSE_max as , channel resistance nex D for derivation of ce is the resistance of are forming Rsource)
				Response		Response Status C		
				ACCEPT	IN PRINCIP	LE.		
				OBE by	213			

Pa **155** Li **42**

Cl 33 SC 33.3.8 Darshan, Yair	.10 <i>P</i> 155 Microsemi	L 46	# 222	C/ 33 Darshan, Y	SC 33.3 Yair	.8.10	P 156 Microsemi	L 17	# 245
Annex 33A.5 needs 1. Equation 33A-4 v 2. Some text clarific	as not implemented correctly.	It was written in	Pres: Darshan7 reverse order.	"Figure	ording of the e 33-40-PD e sync with e	e title of Fig PI pair-to-p	mment Status A ure 33-40: pair current unbalance t nodels in the spec.	est setup"	Editoria
SuggestedRemedy	an_07_0916.pdf for proposed	Ū			igure 33-40	PD PI pair	PD PI pair-to-pair curre to-pair current unbalan sponse Status C		est setup"
Response ACCEPT IN PRINC	Response Status C			C/ 33 Darshan, Y	SC 33.3 Yair	.8.10	P 156 Microsemi	L 19	# 246
OBE by 213 Cl 33 SC 33.3.8 Darshan, Yair Comment Type TR	.10 P 156 Microsemi Comment Status D	L 9	# 244 Pres: Darshan4	"NOTE recom	ords "test so E 1—Rsourd mended Ro	etup" can b e includes on value is	mment Status A e improved in by replac test setup plug resistar 0.02 ohm however it specific choice how to i	nce Rcon. The	
In figure 33-40, all F It should start with F Rsource_max in thi	P16.pdf for the correct drawing Resistors are marked as Rsour Rsource_min from top, and the s order. P16.pdf for the correct drawing				ge from: "tes est model"		ponse Status C		
SuggestedRemedy See darshan_04_09	16.pdf for the correct drawing			ACCE		Nes			
Proposed Response REJECT.	Response Status Z			C/ 33 Yseboodt,	SC 33.3 Lennart	.9	P 157 Philips	<i>L</i> 1	# 469
This comment was	WITHDRAWN by the commen	ter.		<i>Suggestec</i> This A	nnex 33F fo <i>dRemedy</i> nnex does ve sentence	r PD design not exist, ar	mment Status A n guidelines for MPS be nd likely never will.	ehavior.	Editoria
				ACCE		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

CI 33 SC 33.3.9	P 157	L 16	# 470	C/ 33 SC 33.3	.9 <i>P</i> 157	L 31	# 471
Yseboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type TR	Comment Status A		PD MPS	Comment Type E	Comment Status A		Editoria
	ility issue for dual-signature F mA (min) for the PD, but can			"Such a PD shoul Maintain Power Si	d increase its I Port min or make o ignature."	other such provi	sions to meet the
SuggestedRemedy				Note below Table	33-30. Should also refer to IPort-	2P	
Two options.		10.4		SuggestedRemedy			
Complex: Change Tab	e 33-30, IPort_MPS-2P to 0.0 le 33-30, such that depending e current is 8mA or 10mA		_modeA and	"Such a PD shoul	d increase its IPort min, or IPort-2 Power Signature."	P min or make	other such provisions to
Response	Response Status C			(Did I get the com	ma`s right?)		
ACCEPT IN PRINCIP	LE.			Response	Response Status C		
Change Table 33-30,	Port_MPS-2P to 0.010 A			ACCEPT IN PRIN	ICIPLE.		
CI 33 SC 33.3.9	P 157	L 29	# 302	"Such a PD shoul	d increase its IPort min or IPort-2	^o min or make o	other such provisions to
Schindler, Fred	Seen Simply,	Broadco			Power Signature."		
Comment Type TR	Comment Status D		PD MPS	I don't believe any	commas are needed.		
that may affect PDs us item 4, that permit 0.5 noise value is only aro	e can be improved to make Pl sing low-MPS. PSEs have a Vpp at 500 Hz, which could n und 0.7% of the Pl voltage so	noise allowance ull the PD MPS	covered in Table 33-17 current. The PSE	C/ 33 SC 33.4 Yseboodt, Lennart Comment Type EF	Philips	L 10	# 472 Editoria
lowered. SuggestedRemedy				<i>,</i>	"," rather than "." as the decimal p	point.	Lunone
Replace the legacy no	te text "resistance RCh)" with se covered in Table 33-17".	"resistance RC	h) or the PSE power	SuggestedRemedy Fix.			
Proposed Response	Response Status Z			Response	Response Status W		
REJECT.				ACCEPT IN PRIN	,		

Pa **160** Li **10**

C/ 33 SC 33.4.3 Jones, Chad	<i>P</i> 160 Cisco	L 10	# 22		<i>CI</i> 33 Jones, Ch	SC 33.4.4 ad	P 161 Cisco	L 34	# 23
Comment Type ER Table 33-32. commas	Comment Status A s to be replaced with decimal p	oints, 39 places		Editorial	Comment	Type ER	Comment Status A s to be replaced with decimal	points, 10 places	Editorial
SuggestedRemedy Table 33-32. commas	s to be replaced with decimal p	oints, 39 places	5		Suggested Table	-	s to be replaced with decimal	points, 10 places	
Response ACCEPT IN PRINCIF	Response Status W				Response ACCE	PT IN PRINCIF	Response Status W PLE.		
OBE by 255					OBE b	oy 255			
C/ 33 SC 33.4.3 Grow, Robert	P 160 RMG Consult	L 53 ing	# 142		CI 33 Trowbridge	SC 33.4.4 e, Steve	<i>P</i> 163 Nokia	L 12	# 41
P802.3bz draft, and if approval status of P8 SuggestedRemedy	s if required, remove note if D2	ter 22 Septembe	er, we will know t		33-45 Suggested Uses a	<i>IRemedy</i> a consistent syr ed, the line seg	different symbol for ground the mbol for ground across all fig ments that form it need to be <i>Response Status</i> C	ures. If the symbo	ol from Figure 33-44 is
C/ 33 SC 33.4.4 /seboodt, Lennart	P 161 Philips	L 34	# 473		C/ 33 Stover, Da Comment		P 163 Linear Tech Comment Status A	L 48 Inology	# <u>529</u> Editoria
Comment Type ER Table 33-33 uses "," r	Comment Status A rather than "." as the decimal p	ooint.		Editorial	"This / 4.	AC voltage can	be ripple from the power sup	oply (Table 33-17,	
SuggestedRemedy Fix.					Suggested Correc	<i>Remedy</i> ct reference to i	tem 4.		
Response ACCEPT IN PRINCIF OBE by 255	Response Status W PLE.					PT IN PRINCIF	Response Status C PLE. be ripple from the power sup	nnly. See Table 3	3-17 Power feeding
UDE by 200					ripple	and noise."	ted for all such occurances.		-

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C/ 33 SC 33.4.9	P 166	L 33	# 535	C/ 33 SC 33.4.9.	1 P 168	L 9	# 536
Flatman, Alan	LAN Technolo	gies		Flatman, Alan	LAN Techno	ologies	
Comment Type E Com	ment Status A		Editorial	Comment Type E	Comment Status A		Editoria
"interconnect models" and "cro version of ISO/IEC 11801: Edit Edition 3 which is currently at D	ion 2.1 2008 but will b			type in this subclaus	2 does not include cabling for e. Cabling for 10GBASE-T is i tained in ISO/IEC 11801: Edit	ncluded in ISO/IE	C 11801: Edition 2.1
SuggestedRemedy				SuggestedRemedy			
change reference to ISO/IEC 1	1801 Edition 3 clause	÷5.1.		change reference to	ISO/IEC 11801: Edition 2.1 20	008 or ISO/IEC 11	801: Edition 3.
Response Response Response	onse Status C			Response ACCEPT IN PRINCI	Response Status C PLE.		
C/ 33 SC 33.4.9 Trowbridge, Steve	<i>P</i> 167 Nokia	L 16	# 42	0	ISO/IEC 11801: Edition 3		
0	ment Status A		Editorial	Check with editorial	staff for reference used in bq.		
A few sloppy elements in Figur jumper extends past the jumpe	e 33-47: in the cross-		he line before the	Cl 33 SC 33.4.9. Jones, Chad	1.1 P 168 Cisco	L 35	# 24
meet the line at the left side SuggestedRemedy Tidy up the figure				Comment Type ER EQ 33-34 to 33-38.	Comment Status A commas to be replaced with d	ecimal points. 12 p	Editoria places total
Response Resp	onse Status C			SuggestedRemedy EQ 33-34 to 33-38.	commas to be replaced with d	ecimal points. 12 p	places total
ACCEPT.				Response	Response Status W		
	<i>P</i> 167 UNH IOL	L 28	# 256	ACCEPT IN PRINCI	PLE.		
Klempa, Michael	UNH IOL	L 28		ACCEPT IN PRINCI	PLE.		
Klempa, Michael Comment Type E Com	UNH IOL ment Status A		Editorial	OBE by 255	1.4 <i>P</i> 170	L 9	# 474
Klempa, Michael Comment Type E Com The "Equipment Cord" figures a	UNH IOL ment Status A		Editorial	OBE by 255		L 9	# 474
Klempa, Michael <i>Comment Type</i> E <i>Com</i> The "Equipment Cord" figures :	UNH IOL ment Status A are inconsistent and s	sometimes incom	<i>Editorial</i>	OBE by 255 Cl 33 SC 33.4.9. Yseboodt, Lennart Comment Type ER	1.4 <i>P</i> 170	-	
Klempa, Michael Comment Type E Com The "Equipment Cord" figures a SuggestedRemedy Re-draw diagram using the sar to the line	UNH IOL ment Status A are inconsistent and s	sometimes incom	<i>Editorial</i>	OBE by 255 Cl 33 SC 33.4.9. Yseboodt, Lennart Comment Type ER "Table 33-35Specif	1.4 P 170 Philips <i>Comment Status</i> A fications for cables in Midspan	-	# <mark>474</mark> Editoria
Klempa, Michael Comment Type E Com The "Equipment Cord" figures a SuggestedRemedy Re-draw diagram using the sar to the line	UNH IOL ment Status A are inconsistent and s ne Equipment Cord in	sometimes incom	<i>Editorial</i>	OBE by 255 Cl 33 SC 33.4.9. Yseboodt, Lennart Comment Type ER "Table 33-35Specif The cables are not lo SuggestedRemedy	1.4 P 170 Philips Comment Status A	PSEs"	

Pa **170** Li **9**

Cl 33 SC 33.4.9.1.4 P 170 L 17 # 148 Maguire, Valerie Siemon	C/ 33 SC 33.5 P 172 L 26 # 335 Law, David HPE
Magure, Valerie Siemon Comment Type E Comment Status A Editorial Incorrect '568-C.2 reference ("/EIA" is not part of the title). SuggestedRemedy Editorial SuggestedRemedy Replace, "ANSI/TIA/EIA-568-C.2" with "ANSI/TIA-568-C.2" in three locations in Table 33-35. Response Response Status C ACCEPT. ACCEPT. C/ 33 SC 33.4.9.1.4 P 170 L 22 # 537 Flatman, Alan LAN Technologies Editorial ISO/IEC 11801: 2002 does not include 10GBASE-T cords which are listed in this subclause. 10GBASE-T cords are included in ISO/IEC 11801: Edition 2.1 2008 and will be contained in ISO/IEC 11801: Edition 3 which is currently at DIS stage. SuggestedRemedy change reference to ISO/IEC 11801: Edition 2.1 2008 or ISO/IEC 11801: Edition 3. Response Response Status C	Comment TypeTRComment Status APres: Law1As acknowledged in subclause 33.1.2, as an optional non-data entity, DTE Power via MDI does not appear in the seven layer model. Regardless, as illustrated in Figures 33-1 and 33-2, it interfaces to the medium at the same point as the PHY, and these figures also show the PSE and PD function adjoining the PHY. Perhaps because of this, or perhaps for
ACCEPT IN PRINCIPLE. Same remedy as 536. Cl 33 SC 33.4.9.1.4 P 170 L 22 # 149 Maquire, Valerie Siemon	So far in IEEE 802.3 we've only defined an optional compatibility interface, in this case the xMII (see subclause 1.1.3.2), for access to the status and control information to the PHY. We've not defined one for the MAC, MAC Control and upper sublayers, instead only abstract services interfaces. Hence access to control and status in these sublayers has always been in an implementation specific way. Maybe it is time to add DTE Power via MDI to this list.
Comment Type E Comment Status A Editorial Incorrect category reference. SuggestedRemedy Replace "category 6a" with "category 6A" in one location in Table 33-35. Response Response Status C ACCEPT. ACCEPT. ACCEPT. ACCEPT. ACCEPT.	SuggestedRemedy Consider either deprecating, or even removing, subclause 33.5 'Management function requirements'. For all DTE Power via MDI attributes in Clause 30 remove the 'If a Clause 22 MII or Clause 35 GMII is present, then this will map to' text so that the attributes behaviours will then only make reference to subclause, state diagrams and functions as is the case for all MAC, MAC Control and other upper sublayers related attributes. State diagram variables with 'mr_' prefixes should have the text related to register bits removed and should be renamed by removing the text 'mr_'. I have requested presentation time at the 2016 September interim to make a presentation in support of this comment. Response Response Status C ACCEPT IN PRINCIPLE. adopt changes shown in yseboodt_08_0916_management.pdf

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa 172	Page 94 of 126
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C,	closed U/unsatisfied Z/withdrawn Li 26	9/16/2016 3:02:20 PM
SORT ORDER: Page, Line		

Pres: Law1

C/ 33	SC 33.5	P 172	2 L 26	# 211	7
Darshan, Y	air	Microse	emi		

Comment Type TR Comment Status A

Clause 33.5 Management function requirements is missing many of type 3 and Type 4 registers. It is a problem to add the missing registers to 33.5 due to used up address space. It is suggested to:

2. Add new sub clause: "33.X Type 3 and Type 4 Management function requirements" 3.Add minimum control and status register set for Type 3 and 4 features that will be equitant management capability to the MDIO and will have future expansion capabilities as well. The protocol will be implementation specific since MDIO is not practical and the spec allows equivalent way to do it. See page 172 lines 29-32.

SuggestedRemedy

1.Rename clause 33.5 title in line 21 to "33.5 Type 1 and Type 2 Management function requirements"

2. Add new sub clause: "33.X Type 3 and Type 4 Management function requirements" 3.Adopt darshan_09_0916.pdf if available for the meeting. If not ready for the meeting add to the new clause 33.X the following Editor Note:

"Editor Note: "Editor Note: Add minimum control and status register set for Type 3 and 4 features that will be equitant management capability to the MDIO and will have future expansion capabilities as well. The protocol will be implementation specific since MDIO is not practical and the spec allows equivalent way to do it."

Response

Response Status C

ACCEPT IN PRINCIPLE.

OBE by 335

CI 33	SC 33	3.5.1.2	P 175	L 32	#	98	
Zimmerman,	Georg	е	CME Con	sulting, Aqua			
Comment Ty	/pe	TR	Comment Status A			Pres: Law1	

Need to specify new classes (5-8 and Autoclass) in PD class bits.

SuggestedRemedy

Change 1 0 1 to Invalid Class or Type 4 PD, Change 1 1 0 to Class 5, and 1 1 1 to Class 6. Change last sentence of 33.5.1.2.10 to read "The combination "1 0 1" indicates that either an invalid class was read, or the PD is a Type 4 PD, with Class 7, 8 or autoclass has been determined (see 45.2.7b.4)." Add Clause 45 into the draft, and allocate a new PSE status register in clause 45 space at 45.2.7b.4, after 45.2.7b.3, as inserted by IEEE P802.3bu-201x, to include 2 bits (0:1) for 00 = PD Class 1-6, 01 = PD Class 7, 10 = PD Class 8, and 11 = Autoclass, and the rest reserved.

Response	Response Status	С	
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ACCEPT IN PRINCIPLE.

OBE by 335

CI 33	SC 33.5.1.2	P 175	L 50	# 143
Grow, Rob	pert	RMG Consultin	ng	

Comment Type TR Comment Status A Pres: Law1

The Editor's note highlights a technical incompleteness that should have disqualified the draft from progressing to WG ballot. While it is admirable to highlight input being needed from WG members, this should have been done prior to ballot.

SuggestedRemedy

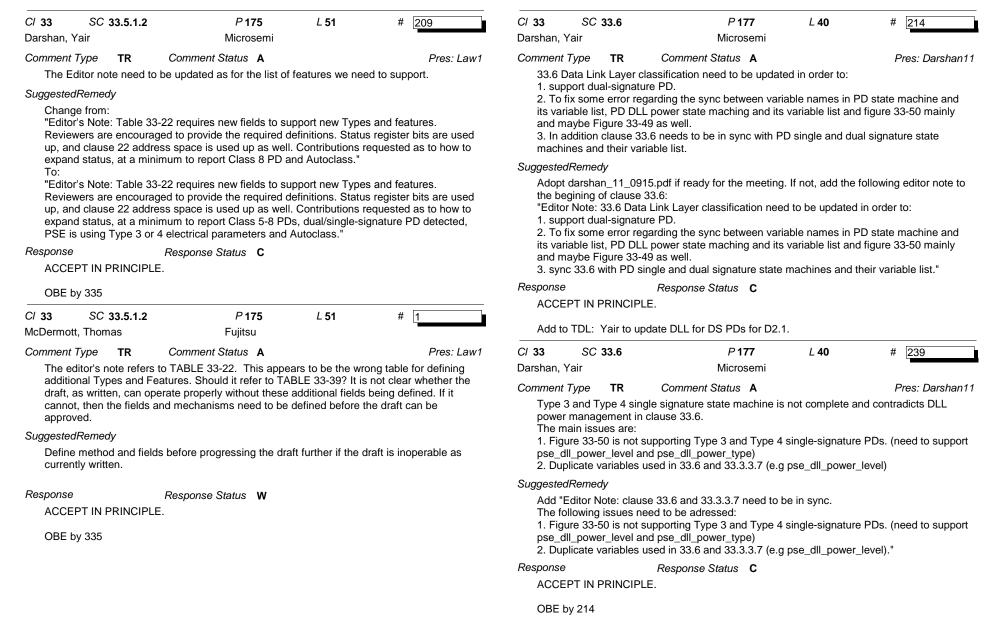
Unfortunately, I don't think I have a solution for you, but you need one prior to the next recirculation. All that occurs to me is to deprecate the use of Clause 22 registers, require the use of Clause 45 registers (possibly including the mapped Clause 22 registers, and get the extra registers and bits in the Clause 45 register space.

Response Response Status W

ACCEPT IN PRINCIPLE.

OBE by 335

Pa **175** Li **50**



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

Pa 177 Page 96 of 126 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn li 40 9/16/2016 3:02:20 PM SORT ORDER: Page, Line

		1.10	# 204	01.00	~ ~ ~ ~ ~				"
C/ 33 SC 33.6	6 P 177	L 40	# 304	C/ 33	SC 33.6.3.2		P 179	L 18	# 305
Schindler, Fred	Seen Simply	v, Broadco		Schindler, Fre	ed		Seen Simply,	Broadco	
Comment Type TF	Comment Status A		Pres: Darshan11	Comment Typ	De TR	Comment S	Status A		Pres: Schi
may be required a	atter expert should add text cover and a LLDP attribute map would a			therefore	it will only ha		d 2. Variable	od_allocated_po	on set_parameter_ty ower is not assigned
SuggestedRemedy				SuggestedRe					
	Editor's Note: readers are encoura Ds." This comment should not be			00	2	ed in schindler_3	3bt_01_0916.		
solution is provide	ed to addess the comment made.			Response	·	Response S	tatus C		
Response	Response Status C				IN PRINCIP	,			
ACCEPT IN PRIN	ICIPLE.				-				
OBE by 214				OBE by 4	75				
				C/ 33	SC 33.6.3.2		P 179	L 19	# 475
C/ 33 SC 33.6		L 53	# 303	Yseboodt, Le	nnart		Philips		
Schindler. Fred	Seen Simply	/ Broadco							
• •	Comment Status A		DLL		tant PSE_IN			tialized, but the	Pres: Ysebo way this is done is
The LLDP "Power text could be inter		re suppose to be	e optional. The modified	The cons different f Since we	tant PSE_IN or Type 1/2 a want to avoid	ITIAL_VALUE n and Type 3/4. d splitting the D	needs to be ini LL state diagr	ams, and this is	
The LLDP "Power text could be inter SuggestedRemedy On line 52 change	Comment Status A	re suppose to be not optional if D via MDI Measure	e optional. The modified LL is supported.	The cons different f Since we variable t SuggestedRe	tant PSE_IN or Type 1/2 a want to avoid hat is causing medy	ITIAL_VALUE n and Type 3/4. d splitting the D	leeds to be ini LL state diagr ould initialize	ams, and this is	way this is done is (for now) the only
The LLDP "Power text could be inter SuggestedRemedy On line 52 change	R Comment Status A r via MDI Measurements" TLVs a preted to indicate that this TLV is e existing text "and the Power v	re suppose to be not optional if D via MDI Measure	e optional. The modified LL is supported.	The cons different f Since we variable t SuggestedRe	tant PSE_IN or Type 1/2 a want to avoid hat is causing medy	ITIAL_VALUE n and Type 3/4. d splitting the D g trouble, we sh	leeds to be ini LL state diagr lould initialize alue.pdf	ams, and this is	way this is done is (for now) the only
The LLDP "Power text could be inter SuggestedRemedy On line 52 change "and may supp	R Comment Status A r via MDI Measurements" TLVs a preted to indicate that this TLV is e existing text "and the Power v ort the Power via MDI Measurem	re suppose to be not optional if D via MDI Measure	e optional. The modified LL is supported.	The cons different f Since we variable t SuggestedRe Adopt yse Response	tant PSE_IN or Type 1/2 a want to avoid hat is causing medy	ITIAL_VALUE n and Type 3/4. d splitting the D g trouble, we sh 916_pseinitialva Response S	leeds to be ini LL state diagr lould initialize alue.pdf	ams, and this is	way this is done is (for now) the only
The LLDP "Power text could be inter SuggestedRemedy On line 52 change "and may support Response ACCEPT. Cl 33 SC 33.6	R Comment Status A r via MDI Measurements" TLVs a breted to indicate that this TLV is breted to indicate that this TLV is breted to indicate that this TLV is e existing text "and the Power via MDI Measurem Response Status W B.3.2 P 179	ire suppose to be not optional if D via MDI Measure ents TLV"	e optional. The modified LL is supported.	The cons different f Since we variable t SuggestedRe Adopt yse Response ACCEPT	tant PSE_INI or Type 1/2 a want to avoid hat is causing medy aboodt_02_0 IN PRINCIP	ITIAL_VALUE n and Type 3/4. d splitting the D g trouble, we sh 916_pseinitialva Response S	needs to be ini LL state diagr ould initialize alue.pdf ctatus C	ams, and this is it differently dep	way this is done is (for now) the only
The LLDP "Power text could be inter SuggestedRemedy On line 52 change "and may support Response ACCEPT. C/ 33 SC 33.6 Schindler, Fred	R Comment Status A r via MDI Measurements" TLVs a breted to indicate that this TLV is e existing text "and the Power via MDI Measurem cort the Power via MDI Measurem Response Status W 5.3.2 P 179 Seen Simply	ire suppose to be not optional if D via MDI Measure ents TLV"	e optional. The modified LL is supported. ements TLV" to # <u>306</u>	The cons different f Since we variable t SuggestedRe Adopt yse Response ACCEPT and chan	tant PSE_INI or Type 1/2 a want to avoid hat is causing medy aboodt_02_0 IN PRINCIP	ITIAL_VALUE n and Type 3/4. d splitting the D g trouble, we sh 1916_pseinitialva <i>Response S</i> LE. ated_power to po	needs to be ini LL state diagr ould initialize alue.pdf ctatus C	ams, and this is it differently dep	way this is done is (for now) the only
The LLDP "Power text could be inter SuggestedRemedy On line 52 change "and may support Response ACCEPT. Cl 33 SC 33.6 Schindler, Fred Comment Type	R Comment Status A r via MDI Measurements" TLVs a breted to indicate that this TLV is breted to indicate that this TLV is a e existing text "and the Power via MDI Measurem Response Status W 6.3.2 P 179 Seen Simply R Comment Status A	Ire suppose to be not optional if D via MDI Measure ents TLV" <i>L</i> 6 v, Broadco	e optional. The modified LL is supported. ements TLV" to # <u>306</u> DLL	The cons different f Since we variable t SuggestedRe Adopt yse Response ACCEPT and chan	tant PSE_INI or Type 1/2 a want to avoid hat is causing medy eboodt_02_0 IN PRINCIP ge pd_alloca SC 33.6.3.2	ITIAL_VALUE n and Type 3/4. d splitting the D g trouble, we sh 1916_pseinitialva <i>Response S</i> LE. ated_power to po	needs to be ini LL state diagr lould initialize alue.pdf <i>status</i> C d_allocated_p	ams, and this is it differently dep wr <i>L</i> 35	way this is done is (for now) the only ending on PSE Type
The LLDP "Power text could be inter SuggestedRemedy On line 52 change "and may support Response ACCEPT. Cl 33 SC 33.6 Schindler, Fred Comment Type	R Comment Status A r via MDI Measurements" TLVs a breted to indicate that this TLV is e existing text "and the Power via MDI Measurem cort the Power via MDI Measurem Response Status W 5.3.2 P 179 Seen Simply	Ire suppose to be not optional if D via MDI Measure ents TLV" <i>L</i> 6 v, Broadco	e optional. The modified LL is supported. ements TLV" to # <u>306</u> DLL	The cons different f Since we variable t SuggestedRe Adopt yse Response ACCEPT and chan C/ 33	tant PSE_INI or Type 1/2 a want to avoid hat is causing medy aboodt_02_0 IN PRINCIP ge pd_alloca SC 33.6.3.2 ad	ITIAL_VALUE n and Type 3/4. d splitting the D g trouble, we sh 1916_pseinitialva <i>Response S</i> LE. ated_power to po	LL state diagr ould initialize alue.pdf <i>status</i> C d_allocated_p <i>P</i> 179 Seen Simply,	ams, and this is it differently dep wr <i>L</i> 35	way this is done is (for now) the only ending on PSE Type
The LLDP "Powel text could be inter SuggestedRemedy On line 52 change "and may support Response ACCEPT. Cl 33 SC 33.6 Schindler, Fred Comment Type TF The variable pd_r this description.	R Comment Status A r via MDI Measurements" TLVs a breted to indicate that this TLV is breted to indicate that this TLV is a e existing text "and the Power via MDI Measurem Response Status W 6.3.2 P 179 Seen Simply R Comment Status A	Ire suppose to be not optional if D via MDI Measure ents TLV" <i>L</i> 6 v, Broadco	e optional. The modified LL is supported. ements TLV" to # <u>306</u> DLL	The cons different f Since we variable t SuggestedRe Adopt yse Response ACCEPT and chan C/ 33 Schindler, Fre Comment Typ	tant PSE_INI or Type 1/2 a want to avoid hat is causing medy boodt_02_0 IN PRINCIP ge pd_alloca SC 33.6.3.2 ed be ER	ITIAL_VALUE n and Type 3/4. d splitting the D g trouble, we sh 916_pseinitialva <i>Response S</i> LE. ated_power to po	alue.pdf tatus C d_allocated_p P 179 Seen Simply, Status A	ams, and this is it differently dep wr <i>L</i> 35 Broadco	way this is done is (for now) the only ending on PSE Type # 307
The LLDP "Powel text could be inter SuggestedRemedy On line 52 change "and may support Response ACCEPT. Cl 33 SC 33.6 Schindler, Fred Comment Type TF The variable pd_r this description. SuggestedRemedy	R Comment Status A r via MDI Measurements" TLVs a breted to indicate that this TLV is breted to indicate that this TLV is a e existing text "and the Power via MDI Measurem Response Status W 6.3.2 P 179 Seen Simply R Comment Status A	Ire suppose to be not optional if D via MDI Measure ents TLV" <i>L</i> 6 v, Broadco d Type 3,4 state	e optional. The modified LL is supported. ements TLV" to # <u>306</u> <i>DLL</i> diagrams. Both apply to	The cons different f Since we variable t SuggestedRe Adopt ys Response ACCEPT and chan C/ 33 Schindler, Fre Comment Typ The cross SuggestedRe	tant PSE_INI or Type 1/2 a want to avoid hat is causing medy aboodt_02_0 IN PRINCIP ge pd_alloca SC 33.6.3.2 ed SC 83.6.3.2 ed s reference u medy	ITIAL_VALUE n and Type 3/4. d splitting the D g trouble, we sh 9916_pseinitialva <i>Response S</i> 'LE. tted_power to po <i>Comment S</i>	LL state diagr ould initialize alue.pdf tatus C d_allocated_p P 179 Seen Simply, Status A n 33.3.8.2." is	ams, and this is it differently dep wr <i>L</i> 35 Broadco	way this is done is (for now) the only ending on PSE Type # 307
The LLDP "Powel text could be inter SuggestedRemedy On line 52 change "and may support Response ACCEPT. Cl 33 SC 33.6 Schindler, Fred Comment Type TF The variable pd_r this description. SuggestedRemedy Replace existing f	R Comment Status A r via MDI Measurements" TLVs a breted to indicate that this TLV is breted to indicate that this TLV is breted to indicate that this TLV is e existing text "and the Power via MDI Measurem brete Power via MDI Measurem cort the Power via MDI Measurem Response Status W 6.3.2 P 179 Seen Simply R Comment Status A nax_power exists in Type 1,2 and A	Ire suppose to be not optional if D via MDI Measure ents TLV" <i>L</i> 6 v, Broadco d Type 3,4 state	e optional. The modified LL is supported. ements TLV" to # <u>306</u> <i>DLL</i> diagrams. Both apply to	The cons different f Since we variable t SuggestedRe Adopt ys Response ACCEPT and chan C/ 33 Schindler, Fre Comment Typ The cross SuggestedRe	tant PSE_INI or Type 1/2 a want to avoid hat is causing medy aboodt_02_0 IN PRINCIP ge pd_alloca SC 33.6.3.2 ed SC 83.6.3.2 ed s reference u medy	ITIAL_VALUE n and Type 3/4. d splitting the D g trouble, we sh 1916_pseinitialva <i>Response S</i> LE. ted_power to po <i>Comment S</i> used, " found i	Alueeds to be initialize alue.pdf alue.pdf alue.cdf aluecated_p P179 Seen Simply Status A n 33.3.8.2." is 33.3.8.2.1."	ams, and this is it differently dep wr <i>L</i> 35 Broadco	way this is done is (for now) the only ending on PSE Type # 307

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa 179	Pag
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	Li 35	9/16
SORT ORDER: Page, Line		

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C/ 33 SC 33.6.	3.3 <i>P</i> 179	L 43	# 336		C/ 33	SC 33.6	6.3.3	P 179	L 49	# 337
Law, David	HPE				Law, David			HPE		
Comment Type T	Comment Status A			DLL	Comment T	уре Т		Comment Status A		
that it is 'The copy system.'. PDReque Power Via MDI TL	6.3.3 definition of the MirroredPD of PDRequestedPowerValue that estedPowerValue should be the F /. There is a similar issue with the IlocatedPowerValueEcho varible	t the PSE received PD Requested File MirroredPSE	ves from the rem Power Value field	ote I in the	states t remote Value E the PD	hat it is 'Th system.'. cho field o Requestee	he copy There is defined f d Power	efinition of the MirroredPDF of PDRequestedPowerValu no PDRequestedPowerVal for the Power Via MDI TLV. Value Echo field in the Power back from the PSE.	leEcho that the lueEcho or PD Instead I think	PD receives from Requested Power this should referen
Suggest that:					Suggested	Remedv				
Suggest that.					••	-	text ' c	opy of PDRequestedPower	ValueEcho tha	t the' should be
PDRequestedPow	IPDRequestedPowerValue varial erValue that the' should be cha	anged to read '	. copy of the PD			d to read '		of the PD Requested Powe		
	Value field in the Power Via MDI IPSEAllocatedPowerValue varial				Response			Response Status C		
PSEAllocatedPow	erValue that the' should be cha alue field in the Power Via MDI T	anged to read '		E	ACCEP	Т.				
	IPSEAllocatedPowerValueEcho		' copy of		C/ 33	SC 33.6	6.3.3	P 180	L 25	# 338
	erValue that the' should be cha alue field in the Power Via MDI T		. copy of the PSI	E	Law, David			HPE		
Response	Response Status C				Comment T	ype TF	२	Comment Status A		
ACCEPT. <i>Cl</i> 33 <i>SC</i> 33.6. Schindler, Fred <i>Comment Type</i> TR Variable MirroredF request because th before Draft 1.0. T <i>SuggestedRemedy</i> At the end of this c		as likely added o at-2009 specific 999" Note this	ation but appear assumes a com	s ment	variable (30.12.2 PSEAllo attribute PSEAllo aLldpXo from the Suggested Sugges attribute aLldpXo Response	is mappe 2.1.18).'. T bocatedPov bocatedPov lot3LocPS e state dia <i>Remedy</i> t that the t b (30.12.2. lot3LocPS	ed from t Table 33- verValue Figure verValue SEAlloca gram th text ' is SEAlloca	efinition of the PSEAllocate he aLldpXdot3LocPSEAlloc -40 however shows the map e variable to the aLldpXdot3 e 33-49 'PSE power control e in the INITIALIZE and MIR tedPowerValue is a local a erefore the Table 33-40 ent s mapped from the aLldpXd should be changed to read ' tedPowerValue attribute (3 <i>Response Status</i> W	catedPowerVali oping from the sLocPSEAlloca state diagram' RROR UPDATE ttribute it seem ry is correct. ot3LocPSEAlloc maps in to th	ue attribute tedPowerValue assigns values to states and s that this is a outp ocatedPowerValue
Response	Response Status W				ACCEF	T IN PRIN	ICIPLE.			
ACCEPT.	nesponse status W				attribute	e (30.12.2.	.1.18).' s	s mapped from the aLldpXd hould be changed to read ' itedPowerValue attribute (3	maps to the	ocatedPowerValue
					_			"maps in to"		

Pa 180 Li **25**

	B P 180	L 43	# 309	CI 33	SC 33.6.3.	3	P 181	L 4	# 310	
Schindler, Fred	Seen Simply, I	Broadco		Schindler,	Fred	S	een Simply,	Broadco		
Comment Type TR	Comment Status A		D	L Comment	Type TR	Comment Sta	atus A			DLL
therefore it will only h				e electri fixed a discov	cal parameters and do not requ rered. The valu don't care).	uire a transition from	equired to su	pport DLL so el er to DLL when	lectrical parameters	
					e text for values	s 3 and 4.				
3, or Type 4 PSE to o PI electrical requirem	Itput by the PSE state diagram choose operation with Type 1, T ent parameter values defined ir	ype 2, Type 3,	or Type 4 PSE output	Modify "A cor		nce lat indicates the Typ lata Link Layer clas		t is connected t	to the PSE as	
to read				to rea	ł					
used by a Type 2 PS	tput by the Type 1 and Type 2 E to choose operation with Type er values defined in Table 33–1	e 1 or Type 2 F		"A Typ conne	be 1 and 2 PSI cted to the PS		ough Data Li		he Type of PD that ification. Type 3 and	
Response	Response Status C			Response		Response Sta	tus W			
ACCEPT IN PRINCI	PLE.			ACCE	PT.					
Also, delete values o	f 3 and 4 in the values list.			Cl 33 Schindler,	SC 33.6.3. Fred	-	P 181 seen Simply,	L 38 Broadco	# 312	
					ble pse_power_	Comment Sta level is defined but ked COMMENT-5.	t not used in	the DLL sectio	n. This is related to	DLL
				Suggestee Delete	<i>Remedy</i> this defintion.					
				Response		Response Sta	4.10			

Pa **181** Li **38**

C/ 33 SC 33.6.3.3 P 181 L 41 # 311 Schindler, Fred Seen Simply, Broadco	C/ 33 SC 33.6.3.5 P 183 L 33 # 56 Tremblay, David Hewlett Packard Enter
Comment Type TR Comment Status A DLL The values are missing from variable pse_power_level. SuggestedRemedy DLL	Comment Type E Comment Status A DLL The PSE power control state diagram makes use of setting local_system_change as a condition when transitioning from the RUNNING to the PSE POWER REVIEW state; however, the condition never gets reset. For clarity, the local_system_change condition DLL
 Add " Values: 3: The PSE has allocated Class 3 power (default). 4: The PSE has allocated Class 4 power. 5: The PSE has allocated Class 5 power. 6: The PSE has allocated Class 6 power. 7: The PSE has allocated Class 7 power. 8: The PSE has allocated Class 8 power." Note that the phrase "or less is not used for class 3 because PSE are required to provide at least class 3 power before DLL is operational. 	should be reset when exiting the MIRROR UPDATE state. SuggestedRemedy Replace the UCT condition exiting the MIRROR UPDATE state between lines 33 and 34 with !local_system_change. Response Response Status C ACCEPT IN PRINCIPLE. Set local_system_change to FALSE in the PSE_POWER_REVIEW state.
Response Response Status C	Make same change to PD power control state diagram.
ACCEPT IN PRINCIPLE. OBE by 312	Cl 33 SC 33.6.3.5 P 184 L 10 # 314 Schindler, Fred Seen Simply, Broadco
Cl 33 SC 33.6.3.4 P 182 L 9 # 313 Schindler, Fred Seen Simply, Broadco # 313	Comment Type ER Comment Status A Editorial The symbols [] have no meaning in state diagrams and should be replaced by ().
Comment Type ER Comment Status A Editorial Attribute hyper-links are not correct. Editorial Editorial Editorial	SuggestedRemedy Use () in the state diagram.
SuggestedRemedy Correct the hyper-links.	Response Response Status W ACCEPT IN PRINCIPLE.
Confect the hyper-links.	

Pa **184** Li **10**

C/ 33 SC 3 Tremblay, David	33.6.4.1	P 185 Hewlett Packa	L 27 ard Enter	# 55		C/ 33 Yseboodt,		33.6.5 t	P 18 Philips	6 L	4	# 476
Comment Type Use of the wor diagram.	E rd "different	<i>Comment Status</i> A " on line 27 does not align	with the PSE po	ower control state	DLL	Comment DLL A Suggestee	Autoclas		Comment Status is missing content.	4		Pres: Yseboodt1
PSE power co	ord "differe ontrol state o ALUE is sm	nt" with "smaller" on line 27 diagram. naller than PSEAllocatedPo			th the	Response ACCE	;	PRINCIPL	916_dllautoclass.pdf <i>Response Status</i> E.	C		
Response ACCEPT.		Response Status C				Add to	o TDL: I	Lennart to	o work on dll for autocla	ass.		
Cl 33 SC 3 Schindler, Fred Comment Type Changes made PSEs to increa to legacy text i PSE_NEW_V/ UPDATE state not agree with PSE_NEW_V/	ase the PD resulted in, ALUE is dif e where PS the PSE D ALUE is sm were made d in this con	P 185 Seen Simply, Comment Status A aft 1.7 review covered in tr power when a PSE has an "If the PSE is in sync with ferent than PSEAllocatedP E_NEW_VALUE is assigned LL SD Figure 33-49. The haller than" with "PSE due to this presentation. mment is not.	emblay_01_051 n increased powe the PD or if PowerValue, it er ed to PSEAlloca change replaced _NEW_VALUE i	er budget. The ch nters the MIRROR tedPowerValue." I " s different than"	nange Does	may b relate Suggested Add o addin satisfi Response	Fred <i>Type</i> ttoclass be requir d to othe <i>dRemea</i> on line 5, g text ar led until	ed and a er comme ly "Editor's nd state d	Comment Status A natter expert should ad LLDP attribute map we ents marked COMMEN Note: readers are enc iagrams as approporia table solution is provid Response Status	imply, Broadc A d text covering buld also then T-2. ouraged to im te." This com ed to addess	to g this topic. be require prove Auto ment shou	d. This comment is oclass information by Id not be considered
Restore the te produces the o local_system increased pow the PSE is in s normally occur PSE POWER	xt to " PS desired resu change, wh ver budget. synch. The rs when the REVIEW a never cause	E_NEW_VALUE is smalle ult. A PSE that wants to in hich results in PSE POWEI The power budget is provi PD will only increase its d PSE is also in synch. I su nd MIRROR UPDATE cou e a PD problem. Response Status W	crease the powe R REVIEW, which ided in state MIF emand when the uspect that the F	er provided assert ch results in the ROR UPDATE w e PD is in synch, w 2SE test between	/hen which state	OBE	by 476					

ACCEPT IN PRINCIPLE.

OBE by 55

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: Page, Line

Pa **186** Li **4**

C/ 33 SC 33.6.5 P 186 L 13 # 54	C/ 33 SC 33.8 P188 L1 # 180
Bennett, Ken Sifos Technologies, In	Anslow, Pete Ciena
Comment Type E Comment Status D Pres: Yseboodt1	Comment Type ER Comment Status A Editor
Table 33-60 describes transactions using "LLDP Frame". All other data link classification transactions in the standard use the more specific terms: "Power via MDI TLV", "LLDPDU",	The title of the clause is quoted in three places in the PICS proforma. Each ocurrence should match the actual clause title.
or "TLV Frame".	SuggestedRemedy
There isn't a formal "LLDP Frame" definition in Clause 33, whereas "TLV Frame" is specifically defined in section 33.6.1.	Change "DTE Power via MDI" to "Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI)" in the title of 33.8, on page 188 line 6 and page 189 line 24.
	Response Response Status W
SuggestedRemedy	ACCEPT.
Change all instances of "LLDP Frame" in table 33-60 to:	C/ 33 SC 33.8.1 P 188 L 11 # 181
"TLV Frame" or "LLDPDU"	Anslow, Pete Ciena
Proposed Response Response Status Z	Comment Type E Comment Status A Editor
REJECT.	The pagination on the first PICS page is wrong
REJECT. This comment was WITHDRAWN by the commenter. Cl 33 SC 33.7 P 186 L 24	The pagination on the first PICS page is wrong
REJECT. This comment was WITHDRAWN by the commenter.	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With
REJECT. This comment was WITHDRAWN by the commenter. Cl 33 SC 33.7 P 186 L 24 # 538 Goergen, Joel Cisco Comment Type T Comment Status A Environmental	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With Next Pgf (click twice), Apply, should fix this.
REJECT. This comment was WITHDRAWN by the commenter. C/ 33 SC 33.7 P 186 L 24 Goergen, Joel Cisco	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With Next Pgf (click twice), Apply, should fix this. Response Response Status C ACCEPT.
REJECT. This comment was WITHDRAWN by the commenter. CI 33 SC 33.7 P 186 L 24 # 538 Goergen, Joel Cisco Comment Type T Comment Status A Environmental See George Zimmerman comments - needs environmental and safety section SuggestedRemedy	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With Next Pgf (click twice), Apply, should fix this. Response Response Status C ACCEPT. Cl 33 SC 33.8.2 P 189 L 1 # 158
REJECT. This comment was WITHDRAWN by the commenter. Cl 33 SC 33.7 P 186 L 24 # 538 Goergen, Joel Cisco Comment Type T Comment Status A Environmental See George Zimmerman comments - needs environmental and safety section	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With Next Pgf (click twice), Apply, should fix this. Response Response Status C ACCEPT. C/ 33 SC 33.8.2 P 189 L 1 Abramson, David Texas Instruments
REJECT. This comment was WITHDRAWN by the commenter. Cl 33 SC 33.7 P 186 L 24 # 538 Goergen, Joel Cisco Comment Type T Comment Status A Environmental See George Zimmerman comments - needs environmental and safety section SuggestedRemedy See George Zimmerman comments - needs environmental and safety section Response Response Status C	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With Next Pgf (click twice), Apply, should fix this. Response Response Status CI 33 SC 33.8.2 P 189 L 1 # 158 CI 33 SC 33.8.2 P 189 L 1 # 158 Abramson, David Texas Instruments P 100
REJECT. This comment was WITHDRAWN by the commenter. Cl 33 SC 33.7 P 186 L 24 # 538 Goergen, Joel Cisco Comment Type T Comment Status A Environmental See George Zimmerman comments - needs environmental and safety section SuggestedRemedy See George Zimmerman comments - needs environmental and safety section	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With Next Pgf (click twice), Apply, should fix this. Response Response Status C ACCEPT. C/ 33 SC 33.8.2 P 189 L 1 # 158 Abramson, David Texas Instruments Comment Type TR Comment Status P 100 The PICS section of the draft has not been updated to include Type 3 and Type 4.
REJECT. This comment was WITHDRAWN by the commenter. Cl 33 SC 33.7 P 186 L 24 # 538 Goergen, Joel Cisco Comment Type T Comment Status A Environmental See George Zimmerman comments - needs environmental and safety section SuggestedRemedy See George Zimmerman comments - needs environmental and safety section Response Response Status C	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With Next Pgf (click twice), Apply, should fix this. Response Response Status CI 33 SC 33.8.2 P 189 L 1 # 158 CI 33 SC 33.8.2 P 189 L 1 # 158 Abramson, David Texas Instruments P 100
REJECT. This comment was WITHDRAWN by the commenter. Cl 33 SC 33.7 P 186 L 24 # 538 Goergen, Joel Cisco Cisco Comment Type T Comment Status A Environmental See George Zimmerman comments - needs environmental and safety section SuggestedRemedy See George Zimmerman comments - needs environmental and safety section SuggestedRemedy See George Zimmerman comments - needs environmental and safety section Response Response Status C ACCEPT IN PRINCIPLE. C	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With Next Pgf (click twice), Apply, should fix this. Response Response Status C ACCEPT. Cl 33 SC 33.8.2 P 189 L 1 Abramson, David Texas Instruments Comment Type TR Comment Type TR Comment Status A PICS section of the draft has not been updated to include Type 3 and Type 4. SuggestedRemedy Update PICS section to include all new requirements. Response Response Status C Response
REJECT. This comment was WITHDRAWN by the commenter. Cl 33 SC 33.7 P 186 L 24 # 538 Goergen, Joel Cisco Comment Type T Comment Status A Environmental See George Zimmerman comments - needs environmental and safety section SuggestedRemedy See George Zimmerman comments - needs environmental and safety section SuggestedRemedy See George Zimmerman comments - needs environmental and safety section Response Response Status C ACCEPT IN PRINCIPLE. No changes to draft.	The pagination on the first PICS page is wrong SuggestedRemedy Click on the heading for 33.8.2.2, Paragraph designer, Pagination tab, uncheck Keep With Next Pgf (click twice), Apply, should fix this. Response Response Status C ACCEPT. Cl 33 SC 33.8.2 P 189 L 1 Abramson, David Texas Instruments Comment Type TR Comment Type TR Comment Status A PICS section of the draft has not been updated to include Type 3 and Type 4. SuggestedRemedy Update PICS section to include all new requirements.

Pa **189** Li **1**

<i>CI</i> 33 Anslow, Pe	SC 33.8.2.2 te	P 189 Ciena	L 24	# 182		C/ 33 Bullock, Cł	SC 33.8.3.2	P 191 Cisco System	L	# 258				
	Std 802.3-201x"	Comment Status A should be "IEEE Std 802.3bt only found in the .3bt amend			Editorial 3 a	Comment Type ER Comment Status A All Type 3 and Type 4 Shalls are missing from teh PICS SuggestedRemedy								
	e "IEEE Std 802. he same change	3-201x" to "IEEE Std 802.3b in the Clause 79 PICS if it is <i>Response Status</i> C		aces.		Add a <i>Response</i>	conformance sta	tement for each Type 3 and <i>Response Status</i> W E.	Type 4 requirer	nent				
C/ 33 Jones, Pete	SC 33.8.2.3 er	P 189 Cisco	L 39	# 257		CI 33 Ran, Adee	SC 33.8.3.1	P 191 Intel	L 14	# 70				
Comment Type TR Comment Status A PICS D 2.0 seems to be missing updates to the PICS for type 3 & type 4. SuggestedRemedy SuggestedRemedy							Comment Type TR Comment Status A PIC For COM3, the referenced subclause 33.1.3.2 does not state a requirement of 3% or less, or any other number (in the base document it did, but that text was moved to an informative annex) PIC							
Response	ete the required I PT IN PRINCIPL	Response Status W				Response	•	ument text or delete this item <i>Response Status</i> W E.	ı.					
CI 33	SC 33.8.2.4	P 190	L 13	# 183		Remov	ve COM3							
Anslow, Pe Comment T	Гуре Т	Ciena Comment Status A			PICS	<i>Cl</i> 33 Walker, Dy	SC 33.8.3.2 /lan	P 191 Cisco	L 53	# 57				
The me <item> So, the The ":2</item>	: simple-predicat "MID:O" part me " part seems to	A is "MID:O:2". on is given in 21.6.2: e condition, dependent on th eans optional for a midspan l violate the syntax. When the rows containing that number.	PSE. re is a number (ere	Suggestea	entry for the perfe	Comment Status A ormance of connection check nection check:	c as described in	n 33.2.6.1 is missing.				
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Chabot	to fix as part of	PICS update.				OBE b	y 158							

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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 53
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 SORT ORDER: Page, Line
 Page 103 of 126
 Page 103 of 126
 191
 Page 103 of 126

Anslow, Pete Ciena Comment Type E Comment Status A Editorial ANSIGNTA-568-C2* is in artikethrough font 'ANSIGNTA-568-C2* is in artikethrough font 'ANSIGNTA-568-C2* and show 'ANSIGNTA-568-A:1995' in normal font. Hajduczarian, Marek Comment Type ER Comment Status A Casepone Response Response Status C Casepone Casepone Casepone Casepone Casepone Casepone Casepone Casepone Casepone Response Response Status C Comment Type E Comment Status A Editorial Casepone Response Status W Comment Type E Comment Status A Editorial Comment Type ER Comment Status A Comment Type E Comment Status A Editorial Comment Status A It appears the entire subclause from the sale during units ponsor bailot. Lassume the intent of including instructions and to be removed by the publication editor during publication preparation. HSD Response Status V It appears the entire subclause for means and to determine what has actually chart Suggested/Remedy Response Status A Editorial It appears the entire subclause for changes. Intp://norpei.te.org/norgs/PG2/WVG_LOB/EL/W CART It	/ 33 SC 33.8.3.5	P 201	L 48	# 184	C/ 79	SC 79	P 208	L 1	# 124
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Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE. OBE by 124 Image: Comment of the second status Follow the 802.3 editorial guidelines for changes. http://grouper.ieee.org/groups/802/3/WG_tools/editorial/requirements/words.html Cit 79 SC 79 P 208 L 1 # 157 Laubach, Mark Broadcom Limited M Comment Type T Comment Status A I see scattered editing instruction and a lot of unchanged text. Similar to previous comment on Clause 30: Clause 79 of .3bt should only contain the subclause headers for each level leading up to the new/changed subclauses , the subclause header of interest, the editing instructions, and the added/changed text for the specific sections. Glause 76 sections. SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy	convienence of the rev	viewer, and should be remove	Clause 79 text I d by the publica	has been included for ation editor during	is diffic	cult to follow th			
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ACCEPT IN PRINCIPLE.	ACCEPT IN PRINCIPI	LE.							
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Pa **208** Li **1**

C/ 33 SC 79 Darshan, Yair	P 208 Microsemi	L 2	# 237	Cl 79 SC Anslow, Pete	79.3	<i>Р</i> 210 Ciena	L 16	# 185	
Comment Type TR	Comment Status A		LLDP	Comment Type	т	Comment Status A		LLDI	
physical advertised c At this point nobody I Now if PSE has the p he can't do it since D As a result, we need		more through D	LL to increase power,	SuggestedRemed Change the e 2016) as follo and include th	dy diting inst ws:" ne change	odified by IEEE Std 802.3br-2 ruction to: "Change Table 79- rs made by 802.3br changes don't affect the othe	1 (as modified		
SuggestedRemedy Add in clause 79: "Ec physical advertized c Response	ditor Note: If TLVs doesnt conta lass, to add it." <i>Response Status</i> C	in information re	garding the PD	changed by th <i>Response</i> ACCEPT.	nis draft.	Response Status C		, , , , , , , , , , , , , , , , , , ,	
ACCEPT IN PRINCI	1	on and Schindlar		CI 33 SC Darshan, Yair	79	P 211 Microsemi	<i>L</i> 1	# 195	
	.,			Comment Type	TR	Comment Status A		Pres: Darshan1	
Cl 79 SC 79.1 McClellan, Brett Comment Type ER	P 208 Marvel Comment Status A	L 5	# 542 Editorial	type, length,	and value	Organizationally Specific Link (TLV) information elements, r the current spec and optional	need to be upda	ated with more TLV	
included within this a	ections unchanged from the ba mendment.	se standard. The	ey should not be	SuggestedRemed	dy				
rows in Table 79-1.	1 to 79.2. Section 73.1 remove Remove sections 79.3.1 to 79.3	.1.4. Section 79.	.3.2 remove the	If not ready, a required to D	add to clau LL to supp	is of darshan_11_0916.pdf if a use 79: "Editor Note: To verify port dual-signature DLL state r future needs."	if TLVs contair	n all the information	
79-3 and insert editin Remove sections 79.	tion 79.3.2.1 remove the unchar g instructions for 79-3. In sectic 3.2.3, 79.3.2.4 and Table 79-4. 79.3.2.5 and 79.3.2.6 remove th	n 79.3.2.2 provi Remove section	de editing instructions. ns 79.3.2.4.2 to	Response Response Status C ACCEPT IN PRINCIPLE.					
Response	Response Status W	-		OBE by 214					
ACCEPT IN PRINCI	PLE.								

OBE by 124

Pa **211** Li **1**

<i>Cl</i> 79 SC 7 Law, David	79.3.2.1 <i>P</i> 212 HPE	L 26	# 339		<i>Cl 79 Law, David</i>	SC 79	9.3.2.2	<i>P</i> 212 HPE	L 42	#	340	
Comment Type	T Comment Status A			LLDP	Comment	Туре -	TR	Comment Status A				LLDP
Equipment (PS Specific TLV/L	'MDI power capabilities/status' bit 1 i SE) MDI power Support' yet in Table LDP Local System Group managed ross references' describes this bit as	79–8 'IEEE 802.3	3 Organizationally	/	the 2 b the for three e	its of 'PS mer field numerati	E power only sup ions (Bo	es both the 8 bits of the 'PS r status' field (see table 79-6 oporting two enumerations (th Alternatives; Alternative	5a), with the sam signal; spare), ar A; Alternative B).	e name. nd the la Further	This is dea tter suppor , Table 79–	spite ting -8
SuggestedRemedy	ý						<i>,</i>	onally Specific TLV/LLDP Lo specifies a mapping from the	,			
79-8 uses 'PS	er bits use 'PSE' rather than 'Power S E' for this bit, suggest that 'Power Sc anged to read 'PSE MDI power Sup	ourcing Equipmer			enume 802.3 (rations to Organizat	the one tionally S	e attribute, aLldpXdot3LocP Specific TLV/LLDP Remote ies a mapping from these to	owerPairs. Simila System Group n	arly Tabl nanaged	e 79–9 'IEI object clas	
Response	Response Status C				aLldpX	dot3Rem	PowerP	Pairs				
ACCEPT.					lt seen	ns in the d	case of o	other TI V fields that have b	een extended by	adding	new fields	(e.a.

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

SuggestedRemedy

Suggest that:

[1] The new 'PSE power pair' field defined in Table 79-6a be named 'PSE power pairx' [2] Define a new attribute aLldpXdot3LocPowerPairsx as a subclause of subclause

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

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

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

Response

Response Status W

ACCEPT.

Pa 212 Li 42

Cl 79 SC Law, David	79.3.2.4	<i>P</i> 213 HPE	L 6	# 341	Cl 79 Schindler,		79.3.2.6	P 214 Seen Simply,	L 40 Broadco	# 318
aw, David HPE Comment Type T Comment Status A LLDP Suggest that tables that defines the contents of a field include the word 'field' in their title as Tables 79-4 through 79-6c and 79-6e already do. SuggestedRemedy SuggestedRemedy Suggest that: [1] The Table 79–3 title 'MDI power capabilities/status' be changed to read 'MDI power capabilities/status field'. [2] The Table 79-6d title 'Autoclass' be changed to read 'Autoclass field'. [2] The Table 79-6d title 'Autoclass' be changed to read 'Autoclass field'. [2] The Table 79-6d title 'Autoclass' be changed to read 'Autoclass field'. Response Response Status C ACCEPT. AccePT. [62] C/ 00 SC 0 P 214 L 20 # 62 Can, Adee Intel [1] The comman here seems to be decimal point indicator. (This equation appears in the base document with a period, as in all other equations. It should not be changed at all) [1] There are other cases of using comma as decimal indicator. This is against the style manual (12.2 item a: "The decimal marker should be a dot on the line (decimal point).")				Schningle, Fred TR Comment Status D L Draft 1.4, comment 160 resulted in using the same starting value for power values. Previously, DLL values were permitted to start a 0 while LLDP values were required to start 1. The change made all values start at 1. Reserved TLV fields are normally zero but this value is allowed for values that have meaning. Using zero rather than one for all starting references would have them all start at the same value and permit a means for tPD to signal to the PSE that power should be removed. If other believe this change is acceptable (discussion are in progress now) then 79.3.2.6e Request power down could leliminated in the TLV. SuggestedRemedy Replace all one (1) values with zero (0). page 179, line 47. page 180 lines 3, 10, 20, 27, 31, Delete section 79.3.2.6e on page 217. On page 211 correct the TLV, delete the "Power down" value and adjust TLV information string length from 18 to 17. This comment is related to other comments markedt COMMENT-1. Proposed Response Response Status Z REJECT.						
SuggestedReme Change deci		r from comma to period acro	ss the docume	ent.	<i>Cl</i> 79 Schindler,		79.3.2.6	P 214 Seen Simply,	L 52 Broadco	# 317
Response ACCEPT IN OBE by 255	PRINCIPL	Response Status W PLE.			Comment Legacy	<i>Type</i> / text wa te Pclas <i>Remed</i> y	ss".	Comment Status A ed and a typo resulted in " o		<i>Editoriai</i> " rather than "
					Response ACCEI	PT.		Response Status W		

Pa **214** Li **52**

C/ 79 SC 79.3.2.6a P 214	L 54	# 186	Cl 79	SC 79.3.2.6b		L 25	# 342
Anslow, Pete Ciena			Law, David		HPE		
Comment Type E Comment Status A	other part of th	Editorial	Comment Ty		Comment Status A		LLDI
We do not use the term "Section" when referring to an	lother part of th	le draft.			etup value field' defines a 'PI 3 Organizationally Specific T		
SuggestedRemedy			manage	l object class	cross references' does not lis	st these fields an	d there are no
Change the editing instruction to: "Insert 79.3.2.6a, 79 79.3.2.6e after 79.3.2.6 as follows:"	.3.2.6b, 79.3.2	.6c, 79.3.2.6d and			ese fields defined in Clause 3 onally Specific TLV/LLDP Re		
Response Response Status C				ss references		,	
ACCEPT.			SuggestedR	emedy			
		"	Suggest	that:			
CI 79 SC 79.3.2.6a P 215 Hajduczenia, Marek Charter Commu	L 6 nicatio	# 125	[1] The f	ollowing entrie	s be added to Table 79–8:		
Comment Type E Comment Status R		Editorial	PD load	aLld	oXdot3LocPDLoad		
If Table 79-6a is a new table, there is no need to use a	any underline ir	n the table to indicate	PD Mode	eselection	aLldpXdot3LocPDModeSeled	ction	
inserted text			[2] Add t	ne following at	tributes to the 'LLDP Power v	via MDI Local Pa	ackage (conditional)
SuggestedRemedy					as well as definitions for eac	ch attribute as su	bclauses of subclause
Remove all underline from Table 79-6a. The same ap	plies for Table	79-60	30.12.2.	LLDP Local	System Group attributes':		
Response Response Status C				t3LocPDLoad			
REJECT.			aLldpXd	ot3LocPDMod	eSelection		
This is not new text, but bit positions that are underline column headings.	ed throughout o	clause 79 to signify	[3] The f	ollowing entrie	s be added to Table 79–9:		
J			PD load PD Mode		oXdot3RemPDLoad aLldpXdot3RemPDModeSele	ection	
					tributes to the 'LLDP Power v as well as definitions for eac		
					te System Group attributes':		
				ot3RemPDLoa ot3RemPDMo			
			Response		Response Status W		
			ACCEPT				

Pa **216** Li **25**

Cl 79 SC 79 Darshan, Yair	P 216 Microsemi	L 26	# 247		<i>CI 79 Darshan, Ya</i>	SC 79 air	P 216 Microsemi	L 29	# 248
SuggestedRemedy Add the following to bi	unction PD load value/meanin t 1 "value/meaning" column: ant to dual-signature PD only <i>Response Status</i> W		Ū	-	1 = PD 0 = PD The pro 1.Syste power f 1.1lt loo 1.2Curr	9-6b System s requested pow requested pow oblems are: or wise we nee for Mode A pair oks that this bit rently it says th	Comment Status A eetup value field bit 0, value/me ver applies to Mode A pairset ver applies to Mode B pairset ed to know WITHIN single tran rset and for Mode B pairset sin covers operation on 2-pairs o at "PD requested power applie but what both pairsets request	saction what is nultaneously. nly. es to Mode A pa	
Change definitions of	'1" and "0" as follows:					airs operation is			
isolated.	ure and power demand on Mo ture or dual signature with pov ated."				reserve -Dual-s -Dual-s -The otl 2. Split value is	additional bit/s d bits to indica ignature Type 3 ignature Type 3 her Type 3 and Table 79-5 to 1 s set to zero.	to indicate dual-signature PD te: 3 (use reserved codes "1011") 4 (use reserved codes "1010") 4 PDs in bits 7:4: add the "sir Mode A and Mode B and A+B. , PD requested power value fo	ngle-signature T when Mode A	Fype x PD" and B are used, Total
					Response		Response Status W		
					ACCEF	PT IN PRINCIP	LE.		
							, Schidler, and Yseboodt to Fig n physical layer class.	gure out how D	LL state machine uses

Pa **216** Li **29**

C/ 79 SC 79.3.2.6b.2 P 216 L 34 # 477 Yseboodt, Lennart Philips	C/ 79 SC 79.3.2.6b.3 P 216 L 37 # 478 Yseboodt, Lennart Philips
Comment Type T Comment Status A LLDP The PD 4PID bit allows a PD to indicate if it supports powering over both Modes simultaneous or not. To be consistent with 33.2.6.7 we should indicate the specific cases where the PD may actually set this. SuggestedRemedy Append: "This field shall be set to '1' when the power type is Type 3 PD or Type 4 PD." after: "This field shall be set to 0 when the power type is PSE." Response Response Status C ACCEPT. ACCEPT. Accept. Accept. Accept.	Comment Type T Comment Status A LLDF The PD PI bit in the System setup field is not in line with the classification scheme we have. For single-signature PDs, the communicated Class is for the entire PD. For dual-signature PDs, the communicated Class on a pairset is for that pairset. This bit seems to indicate that choice is possible when it is not. SuggestedRemedy SuggestedRemedy TFTD. Unless we can give meaning to this bit, we should remove it. Response Response Status C ACCEPT IN PRINCIPLE. C
Vote Yes: 11 No: 2 Abstain: 7 C/ 79 SC 79.3.2.6b.3 P 216 L 37 # <u>320</u>	OBE by 320 Cl 79 SC 79.3.2.6b.5 P 216 L 51 # 319 Schindler, Fred Seen Simply, Broadco Image: Comment Type TR Comment Status A LLDF The text does not clarify that the PD power Mode option only has meaning for DS PDs. Image: Comment Status A LLDF
Schindler, Fred Seen Simply, Broadco Comment Type T Comment Status A LLDP The System setup value field "PD PI" is no longer required because a dual-signature classification mechanism was addedsee PD Mode selection. The solution provided should be discussed as recent changes to dual-signature text could require this bit with some minor text modifications. SuggestedRemedy SuggestedRemedy Replace Table 79-6b bit- 2 function and value/meaning fields with, "Reserved" and SuggestedRemedy	SuggestedRemedy Modify existing text, " when the power type is PD." to " when the power type is PD and a dual-signature PD (see 1.4.186a and 33.3.2) is the source of the LLDPPDU." Replace the next sentence with "This field shall be set to 0 when the power type is PSE or the PD sourcing the LLDPPDU is a single-signature PD (see 1.4.381a)." Response Response Status W ACCEPT.
"Transmit as zero. Ignore on receive.", respectively. Delete section 79.3.2.6b.3. <i>Response Response Status</i> C ACCEPT.	

Pa **216** Li **51**

<i>CI</i> 79 Law, David	SC 79.3.2.6	с Р 217 НРЕ	L 12	# 343		C/ 33 Darshan, Y		79.3.2.6d	P 2 [.] Micros		L 19	# 23	32
Comment This fir availat and al 802.3 Syster missin field' th Suggester Sugge [1] The be cha [2] The read 'F [3] The	HPE HPE t Type T Comment Status A LLDF field is defined in Figure 79–3 'Power Via MDI TLV format' as 'PSE Maximum able power' and the related attributes are named aLldpXdot3LocPSEMaxAvailPower alldpXdot3RemPSEMaxAvailPower yet the related TLV variable in Table 79–8 'IEEE 3 Organizationally Specific TLV/LLDP Local System Group managed object class as 'PSE available power' and Table 79–9 'IEEE 802.3 Organizationally Specific TLV/LLDP Remote am Group managed object class cross references' is listed as 'PSE available power' in addition in Table 79–6c 'PSE maximum available power' and Remedy gest that:	'IEEE ss Remote ower' ower value' d to	"Using maxim In add I belie a)It is b)Wha c)Whe e)Whe F)The Suggested Add "E Autocl Response ACCE Add to	Type ext says the Au hum povi- lition Ta ve the construction to the construction to the construction to the construction of the construction of the construction the constructio	Itoclass fiel wer consur- lable 796d tr definitions a ar who is in timing sec ise power? e final Ack missing. dy lote: The times asurement PRINCIPLE Yseboodt,	Comment Status Id to trigger a new A nption." rises to specify some are incomplete and r nitiating the request f quence? nowledge? ming and state flow ts. Response Status E. Autoclass DLL need	A utoclass "handsh may cau for new h is missin C s to be	nake" parameter Ise issues. Autoclass meas ng for the case w	rs. urement?				
						Cl 79 Anslow, Pe <i>Comment</i> 79.3.7 <i>Suggested</i> Chang 802.3t Renur	SC ete <i>Type</i> 7 has alr <i>Remec</i> ge the e pr-2016 mber 79	79.3.7 ER ready been dy diting instri) as follows 0.3.7 to 79.3	3.8	A 802.3bi 3.8 after	L 5 r-2016 r 79.3.7 (as inse		<i>Editor</i> Std
						Renur	nber Fig ed by 80	gures 79-6	a to Figure 79-9 (sind f through 79-6h to Fi ve this was Table 79 <i>Response Statu</i> s	gures 7 -7a)			

ACCEPT.

Pa **218** Li **5**

Cl 79 SC 79.3.7 Ran, Adee	7 P 218 Intel	L 11	# 60		C/ 79 Ran, Adee	SC 79.3.7.1	P 220 Intel	L 6	# 63	
Comment Type E	Comment Status A			Editorial	Comment T	vpe T	Comment Status A			LLDP
Stray hyphen in trar				Lanonai	-		" is meaningless here. A b	it field that carries	a value typically	
SuggestedRemedy delete hyphen							a binary representation unl base only affects the text re		se. The number	is not
Response	Response Status C				Also app	plies to the nex	t two bit fields.			
ACCEPT.					SuggestedF	-				
CI 79 SC 79.3.7	7.1 P 219	L 4	# 61		Either d occuren	``	value of bits)" or change i	t to "(encoded as u	unsigned binary)	', in all
Ran, Adee	Intel				Response		Response Status C			
Comment Type E	Comment Status A			Editorial	ACCEP	T IN PRINCIPL	E.			
space before closin SuggestedRemedy	g paren				Add to T descript		gure out what to do with "d	ecimal value of bi	s" in LLDP field	
delete space					CI 79	SC 79.3.7.1	P 220	L 16	# 64	
Response	Response Status C				Ran, Adee		Intel			
ACCEPT.					Comment T	ype T	Comment Status A			LLDP
C/ 33 SC 79.3.7 Darshan, Yair	7.1 P 220 Microsemi	L 5	# 233				nal value of bits) mV" is ar so, a voltage value is not '			
Comment Type TR Table 79-6f - PD me All measurements r	Comment Status R easurements need to be for pairset A and B se	eparately for acc	curate measurer	LLDP ment.	l assum encodeo		d value is rounded down o	r to the nearest m	/ and the result i	S
modes.	ature dual load will have differen energy, accuracy etc.	t voltages at the	e PD input over	the			ther occurences of "decim es in the base document, I			
SuggestedRemedy					SuggestedR	-				
Add "Editor Note: S	plit Table 79-6f to Mode A and N	Node B to have	separate field."		0	this one to PD-2P / 1 mV.	rounded down and encode	ed as unsigned bin	arv"	
Response	Response Status C				or			Ū		
REJECT.					"VPort_	PD-2P in mV u	nits, rounded down and er	coded as unsigne	d binary"	
The measurement :	source fields gives this ability.				(or roun	ded up or what	ever is intended)			
					Change	other occurence	ces in a simiar style (with a	ppropriate units a	nd resolution).	
					Response		Response Status C			
					ACCEP	T IN PRINCIPL	E.			
						TDL: Jones, Figion equations.	gure out what to do with "d	ecimal value of bi	s" in LLDP field	

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

CI 79 SC 79.3.7.2	P 221	L 44	# 479	C/ 79 SC 79.3.7.3	P 222	L 14	# 67
Yseboodt, Lennart	Philips	L 44	# 479	Ran, Adee	Intel	L 14	# 67
Comment Type E Table 79-6g, for Curre Improper capitalizatio	Comment Status A ent measurement. on of IPORT and IPORT-2P		Editorial	Comment Type E "= decimal value of bits SuggestedRemedy	Comment Status A s" does not add any clarity here	9	LLDF
SuggestedRemedy Fix. Response ACCEPT.	Response Status C			delete these words Response ACCEPT IN PRINCIPL OBE by 63.	Response Status C E.		
C/ 79 SC 79.3.7.2 Ran, Adee	Intel	L 44	# 65	<i>Cl</i> 79 <i>SC</i> 79.3.7.3 Anslow, Pete	P 222 Ciena	L 15	# 188
Comment Type E x used instead of mult SuggestedRemedy Change to multiplicati			Editorial	Comment Type E space missing in "throu SuggestedRemedy change to "through 655	-		Editorial
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
Cl 79 SC 79.3.7.3 Ran, Adee	Intel	L 3	# 68	C/ 79 SC 79.3.7.3 Law, David	<i>P</i> 222 HPE	L 15	# 344
completely implement	Comment Status A s description how this value sh tation dependent field? Does a if so, what should be done)? D	a number lower	han 1000 indicate	Comment Type E	Comment Status A ough65535' should be changed	d to read ' th	rough 65535'.
SuggestedRemedy Clarify the intent. If me	eaning of this field is impleme	ntation depende	nt please state it.	Response	Response Status C		
Response ACCEPT IN PRINCIP	Response Status W			ACCEPT IN PRINCIPL OBE by 188	.E.		
	s a nominal value" and add "T ndent." at end of paragraph.	he meaning of t	his field is	-			

Pa **222** Li **15**

C/ 79 SC 79.3.7.3 P 222 L 15 # 66 Ran, Adee Intel	C/ 79 SC 79.4.2 P 224 L 4 # 189 Anslow, Pete Ciena Ciena
Comment Type E Comment Status A Editorial missing space before 65535	Comment Type E Comment Status A Tables shown as 79-8 and 79-9 should be Tables 79-9 and 79-10 (as in the editing instruction)
SuggestedRemedy insert space	SuggestedRemedy Re-number the tables.
Response Response Status C ACCEPT IN PRINCIPLE. OBE by 188	Response Response Status C ACCEPT IN PRINCIPLE.
C/ 79 SC 79.3.7.4 P 222 L 20 # 69	OBE by 126
Ran, Adee Intel Comment Type TR Comment Status A LLDP	C/ 79 SC 79.4.2 P 224 L 35 # 345 Law, David HPE
Does "should" here mean it is only a recommendation? Is it OK to have more than one? Also applies to 79.3.2.7, although it is in the base document. SuggestedRemedy Change to "shall" unless there is no problem with having more than one. Response Response Status W	Table 79–8 'IEEE 802.3 Organizationally Specific TLV/LLDP Local System Group managed object class cross references' lists a number of new attributes in the 'LLDP Local System Group managed object class attribute' column for the 'Power via MDI' TLV that have not been defined in Clause 30. SuggestedRemedy
ACCEPT IN PRINCIPLE.	Add the following attributes to the 'LLDP Power via MDI Local Package (conditional)' package in Table 30-7 as well as definitions for each attribute as subclauses of subclause 30.12.2.1 'LLDP Local System Group attributes'.
Having more than one is allowed but may lead to ambiguous situations therefore, it is discouraged.	aLldpXdot3LocPowerClassx aLldpXdot3LocPowerTypex aLldpXdot3Loc4PID aLldpXdot3LocPDPI aLldpXdot3LocPSEMaxAvailPower
Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status A Editorial Editorial instruction refers to Table 79-9/10 and shown tables are 79-8/9. Editorial Editorial	aLldpXdot3LocPSEAutoclassSupport aLldpXdot3LocAutoclassCompleted aLldpXdot3LocAutoclassRequest aLldpXdot3LocPowerDownRequest
SuggestedRemedy Update editorial instruction to match proper tabel numbers	Response Response Status C ACCEPT IN PRINCIPLE.
Response Response Status C ACCEPT IN PRINCIPLE.	Yseboodt to add definitions for D2.1
Editor to figure out which number is right (see 189) and change either editorial instructions or Table numbers.	

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: Page, Line

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C/ 79 SC 79.4.2	P 225	L 23	# 346		C/ 79	SC 79.4.2	P 226	L 32	# 347
Law, David	HPE				Law, David		HPE		
Comment Type TR	Comment Status A			LLDP	Comment T	ype TR	Comment Status A		LLDł
managed object class System Group mana	2.3 Organizationally Specific T s cross references' lists a num ged object class attribute' colu hat have not been defined in (ber of new attrik mn for the 'Pow	butes in the 'LLDI	P Local	manage Remote	d object class System Grou	2.3 Organizationally Specific T cross references' lists a num p managed object class attrib fined in Clause 30.	ber of new attrib	utes in the 'LLDP
SuggestedRemedy					SuggestedF	Remedy			
Table 30-7.	Power via MDI measurement attributes to the new 'LLDP Pc o' package.	-	. , ,	-	package	e in Table 30-7	butes to the 'LLDP Power via 7 as well as definitions for eac ote System Group attributes'.		
[3] Add definitions for 'LLDP Local System	each of the following attribute Group attributes'.	as subclauses	of subclause 30.	12.3.1	aLldpXo aLldpXo	lot3RemPowe lot3RemPowe lot3Rem4PID			
aLldpXdot3LocPDMe						lot3RemPDPI			
aLldpXdot3LocPDMe aLldpXdot3LocPDMe							/laxAvailPower AutoclassSupport		
aLldpXdot3LocPDMe							classCompleted		
aLldpXdot3LocPDMe						lot3RemAutoc			
aLldpXdot3LocPDMe							rDownRequest		
aLldpXdot3LocPDMe					Response		Response Status C		
aLldpXdot3LocPSEN					•		,		
aLldpXdot3LocPSEM					ACCEP	T IN PRINCIP	LE.		
aLldpXdot3LocPSEM aLldpXdot3LocPSEM					Yseboo	dt to add defin	itions for D2.1		
aLldpXdot3LocPSEN	easurementVoltage				C/ 79	SC 79.4.2	P 226	L 49	# 43
aLldpXdot3LocPSEM aLldpXdot3LocPSEM					Trowbridge,		Nokia	2 43	" +5
aLldpXdot3LocPSEN					nowblidge,	Sleve			
aLldpXdot3LocPSEP					Comment T	ype E	Comment Status A		Editoria
·					Missing	line under Ma	ximum Frame Size row		
Response	Response Status C				SuggestedF				
ACCEPT IN PRINCI	LE.				00				
Yseboodt to add defi	aitions for D2 1				Add the	line			
r secoci io add defi					Response		Response Status C		

Pa **226** Li **49**

C/ 79	SC 79.4.2	P 227	L 23	# 348	CI 79	SC 79.5.2.1	P 228	L 15	# 127
Law, Davi	d	HPE			Hajducze	nia, Marek	Charter Corr	municatio	
Comment	Type TR	Comment Status A		LLE	P Comment	Type ER	Comment Status A		Editori
mana	ged object class cro	Organizationally Specific oss references' lists a nur	mber of new attrib	utes in the 'LLDP		ges to 79.5.2.1 a d / deleted.	re not really marked in any v	ay at this time -	it is not clear what was
		nanaged object class attri have not been defined in		he 'Power via MDI	Suggeste	dRemedy			
	dRemedy		0.000 001				ICS for Clause 79) to show of Clause 79 with unmarked cha		ditions / deletions) and
00	2	ver via MDI measuremen	t Remote Packag	e (conditional)' package			Response Status W	anges	
	ble 30-7 d the following attri	butes to the new 'LLDP F	ower via MDI me	asurement Remote	•	, EPT IN PRINCIPI	,		
Packa	age (conditional)' pa	ackage.							
[3] Ad	d definitions for each Remote System G	ch of the following attribut	e as subclauses	of subclause 30.12.3.1	Chab	ot to update PICS	S for D2.1		
LLDF	Remote System C	noup attributes .			C/ 33A	SC 33A	P 233	L 8	# 349
	Xdot3RemPDMeas				Szczepar	ek, Andre	Inphi		
	Xdot3RemPDMeas Xdot3RemPDMeas				Comment	Туре Е	Comment Status A		Editori
aLldp	Xdot3RemPDMeas	urementSource					emented) editors note giving	instructions on	what to do BEFORE WG
aLldp)	Xdot3RemPDMeas Xdot3RemPDMeas	urementVoltage			ballot	. This is the WG	ballot !		
	Xdot3RemPDMeas				"Edito	or's Note: (to be n	emoved prior to Working Gro	oup ballot) - All a	innexes are to be at the
aLldp	Xdot3RemPSEMea	sVoltageSupport				f the draft.		. ,	
•	Xdot3RemPSEMea	••				to Working Group book."	p ballot, editor should move	Clause 79 befor	e Annex 33A in the
	Xdot3RemPSEMea Xdot3RemPSEMea								
aLldp	Xdot3RemPSEMea	surementVoltage			Suggeste	•			
	Xdot3RemPSEMea Xdot3RemPSEMea					ove editprs note			
	Xdot3RemPSEMea				Response		Response Status C		
esponse	,	Response Status C			ACCI	EPT.			
ACCE	PT IN PRINCIPLE	,			C/ 33A	SC 33A	P 233	L 8	# 150
Veeb	a de ta a dal dafinitia				Laubach,	Mark	Broadcom L	mited	
rsebo	odt to add definitio	ns for D2.1			Comment	Туре Е	Comment Status A		Editori
						r's note is not in p to Working Grou	proper format and looks like i up ballot.	t should have b	een removed prior to
					Suggeste	dRemedy			
					Remo	ove the editor's no	ote.		
					Response)	Response Status C		
						EPT IN PRINCIPI	•		
					OBE	by 349			
					OBE	by 349			

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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 10
 10
 10
 10

C/ 33A SC 33A Grow, Robert	P 233 RMG Consulting	L 8	# 145	C/ 33A SC 33A.3 Hajduczenia, Marek	P 233 Charter Comr	L 14 municatio	# 114
Comment Type E Looks like the book is	Comment Status A now properly ordered.		Editorial	Comment Type E Seems that subclaus	Comment Status R e numbering is off by 2		Editorial
SuggestedRemedy Remove the Editor's n	ote.			SuggestedRemedy Change 33A.3 to 33A	.1 and propagate through Ann	ex 33A	
Response ACCEPT.	Response Status C			Response REJECT.	Response Status C		
OBE by 349				33A.1 and 33A.2 are	in the base document.		
C/ 33A SC 33A Hajduczenia, Marek	P 233 Charter Commu	L 8 nicatio	# 112	C/ 33A SC 33A.3 Ran, Adee	P 233 Intel	L 16	# 71
Comment Type E Editorial note to be rer SuggestedRemedy Per comment	Comment Status A nved		Editorial	33A. SuggestedRemedy	Comment Status R ve requirement in an informativ	ve annex. Also i	Annex n other subclauses of
Response ACCEPT IN PRINCIPI	Response Status C LE.			Make this annex norn <i>Response</i> REJECT.	native? Response Status W		
OBE by 349	P 233	L 8	# 104		uirements and this annex was nts (no shalls).	written in a way	/ to not include
Zimmerman, George	CME Consulting	, Aqua		CI 33A SC 33A.3	P 233	L 16	# 113
Comment Type E	Comment Status A		Editoiral	Hajduczenia, Marek	Charter Comr	municatio	
SuggestedRemedy	ave been removed, annex is in t	he right place	in the frame book.	<i>Comment Type</i> TR The term "Types" is r	Comment Status A not defined		Annex
Delete editor's note Response ACCEPT IN PRINCIPI	Response Status C LE.			SuggestedRemedy Please consider spec types or something al	yfing what the particular mean together different	ing of "Types" is	s indended - PSE-D
OBE by 349				Response ACCEPT IN PRINCIF	Response Status W		
				Change "Types" to "F	'SE and PD Types"		

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Pa **233** Li **16**

C/ 33A SC 33A.3	P 233	L 22	# 115	CI 33A SC 33A.4	P 233	L 34	# 530
Hajduczenia, Marek	Charter Comm	unicatio		Stover, David	Linear Techno	ology	
Comment Type E	Comment Status A		Editorial	Comment Type E	Comment Status A		Editoria
0	much too small and placed incor	rrectly			0 milliohm or" This is one of n using the standard symbol.	f only two places	s where "ohm" is
	ed in the middle of the equation a applies to all equations in Annex			SuggestedRemedy Replace "100 milliohm	ı" with "0.1Ω" on P233, L34 ar	id on P234, L1.	
Response ACCEPT.	Response Status C			Response ACCEPT IN PRINCIP	Response Status C LE.		
C/ 33 SC 33A.3	P 233	L 26	# 324	OBE by 73			
Shariff, Masood	CommScope		_	C/ 33A SC 33A.4	P 233	L 50	# 116
Comment Type TR	Comment Status A		Annex	Hajduczenia, Marek	Charter Comr	nunicatio	
SuggestedRemedy Change: Rmax is the resistan Rmin is the resistand To:	f resistance unbalance within a p ce of the channel conductor with ce of the channel conductor with	the highest re the lowest res	istance	Comment Type E Text alignement in line SuggestedRemedy Please make sure tex Response ACCEPT.	Comment Status A es 50-51 is not correct t in lines 50/51 has the same I <i>Response Status</i> C	eft alignment as	Editoria s text in line 42
	ce of the pair conductor with the ce of the pair conductor with the	0		C/ 33A SC 33A.5	P 234	L 7	# 72
Response	Response Status C			Ran, Adee	Intel		
ACCEPT.				Comment Type E "guide lines"	Comment Status A		Editoria
Cl 33A SC 33A.4 Ran, Adee	P 233 Intel	L 34	# 73	SuggestedRemedy change to "guidelines"			
Comment Type E "milliohm", here and	Comment Status A in other places. Standard symbol	ols should be u	<i>Editorial</i> Ised	Response ACCEPT.	Response Status C		
Several occurences.							
SuggestedRemedy							

change to m(uppercase letter Omega)

Response Response Status 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: Page, Line

Pa **234** Li **7**

Cl 33A Ran, Adee	SC 33A.5	P 234 Intel	L 11	# 76	C/ 00 SC 0 Ran, Adee	P 234 Intel	L 11	# 74
	be clearer if th	Comment Status R ne class-dependent numbers v below (line 18) used instead.	vere placed in a	<i>Editorial</i> table, and the inline	51	E Comment Status A e of italics between equation and te	ext. E.g. R_Pair_F	Editorial PD_max
SuggestedR Usa alpl	-	the equation, add a table for a	Ipha and beta	per class.		e style manual (12.4) quantity syml resistance, I for current, P for pow		
Response REJECT		Response Status C			document	s consistently italic in equation and	l text, to follow sty	vle manual, across the
Cl 33	SC 33A.5	P 234	L 11	# 205	Response ACCEPT.	Response Status C		
Darshan, Ya	air	Microsemi			CI 33A SC 33	A.5 P 234	L 11	# 75
Comment Ty		Comment Status A		Pres: Darshan7	Ran, Adee	Intel		
Equation the 4 eq The clas It should http://wv	n 33A-4 was ir quations apears sses apears in d be according ww.ieee802.org	n_07_0916.pdf) nplemented wrongly since Cat s in revers order. the correct order. to: g/3/bt/public/oct15/darshan_01	_1015_Rev001	.pdf	Inconsistent uni RPair_PD_min i SuggestedRemedy	TR Comment Status A ts. 1,750 x RPair_PD_min + 0,080 is already in Ohms. ations to include Ohm units for the		
SuggestedR	Remedy				Response	Response Status W		
Change Rpair_P Rpair_P Rpair_P	only the Equa 2D_max = 2.20 2D_max = 2.01 2D_max = 1.80	on in page 4 in darshan_07_09 tions order as follows: 0* Rpair_PD_min +0.125 For 0* Rpair_PD_min +0.105For F 0* Rpair_PD_min +0.080 For 0* Rpair_PD_min +0.080 For	PD Type 3 clas PD Type 3 class PD Type 4 class	5 6 5 7		INCIPLE. s, Beta is in Ohms. hms unit to the Beta term.		
Response ACCEP	T IN PRINCIP	Response Status C LE.						

OBE by 213

Pa **234** Li **11**

C/ 33A SC 33A.5 Hajduczenia, Marek	P 234 Charter Com	L 17 municatio	# 117	C/ 33 Darshan, Y	SC 33A.5 Yair	P 234 Microsemi	L 21	# 229
SuggestedRemedy Change to "stringent r	of key words in the whole dra Response Status W		<i>Editorial</i> II", "must", etc see	In the "RPair impeda voltage shown 1. Mixe 2. The	age 4 in darsha following text: _PD_max and F ance of pairs of e Veff_pd_n, div in the example ed use of "resist common mode	Comment Status A n_07_0916.pdf for editing mar RPair_ PD_min represent PD of the same polarity. The effectiv ided by the current through the in Figure 33A–4, where n is th ance" and "impedance". Use of effective resistance is not suff only how to measure it is define	common mode re resistance R e path as descr e pair number. only resistance iciently defined	n is the measured ribed below and as " for contintency.
Adopt remedy for com	ment 117 in yseboodt_09_09 entire draft.	16_commentsd	2p0.pdf.	Chane "RPair imped voltage	age 4 in darsha lines 21-24 fror _PD_max and F ance of pairs of e Veff_pd_n, div	n_07_0916.pdf for editing mar n: RPair_ PD_min represent PD o the same polarity. The effectiv ided by the current through the in Figure 33A–4, where n is th	common mode re resistance R e path as descr	n is the measured ibed below and as
				resista resista paralle polarity resista	ance of pairs of t ance of two cond el including the e y (e.g. Veff_pd1 ance Rn is the m scribed below an	RPair_ PD_min represent PD of he same polarity. Common mo luctors of the same pair and th ffect of PD pair-to-pair voltage -Veff_pd3 as shown in Figure 3 easured voltage Veff_pd_n, di d as shown in the example in	ode effective re eir other comp difference of p 33A-4). The co vided by the cu	sistance is the onents connected in pairs with the same mmon mode effective urrent through the path
				Response ACCE	PT IN PRINCIPI	Response Status C		
				OBE b				

Pa **234** Li **21**

CI 33 SC 33A.5 P 234 L 28	# 228	C/ 33B SC 33B P 237 L 6 # 81
Darshan, Yair Microsemi		Ran, Adee Intel
Comment Type E Comment Status A (See page 4 in darshan_07_0916.pdf for editing marks) Figure 33A-4 in Annex 33A.5 contains the resistors R1, R2, R numbers should be subscripted as in their equations in page 2		Comment Type E Comment Status A Editorial Editorial instruction should be before the new annexes and can cover both 33B and 33C. SuggestedRemedy Move before annex heading and change to SuggestedRemedy
SuggestedRemedy (See page 4 in darshan_07_0916.pdf for editing marks) In Figure 33A-4, subscript the index number of R1, R2, R3 and	d R4.	"Insert Annexes 33B and 33C as follows:" (see 802.3by or P802.3bs D2.0 for example)
Response Response Status C ACCEPT IN PRINCIPLE.		Response Response Status C ACCEPT.
OBE by 213 C/ 33A SC 33A.4 P 234 L 36	# 531	C/ 33B SC 33B.1 P 237 L 8 # 118 Hajduczenia, Marek Charter Communicatio 118
Stover, David Linear Technology		Comment Type ER Comment Status A Editoria
Comment Type ER Comment Status A Figure 33A-4 labels for "R_pair_PD_max" and "R_pair_PD_m SuggestedRemedy Relabel R2 to "R_pair_PD_min" and R3 to "R_pair_PD_max".	Pres: Darshan7 in" are jumbled.	SuggestedRemedy Please add subclause numbers in Annex 33B Response Response Status W
Response Response Status C ACCEPT IN PRINCIPLE.		ACCEPT IN PRINCIPLE. There are annex numbers, there is just a bunch of text and a drawing before you get to the first one, 33B.1 (line 50).
OBE by 213		
C/ 33B SC 33B P 237 L 2 Ran, Adee Intel	# 79	Editor to renumber Annex 33B to put introductory material into 33B.1 and increment all other subclause numbers.
Comment Type TR Comment Status A Normative annex, but no PICS?	PICS	TFTD YD
SuggestedRemedy Add PICS listing the normative requirements		
Response Response Status W ACCEPT IN PRINCIPLE.		
Chabot to update PICS for D2.1		

Pa **237** Li **8**

C/ 33B SC	33B	P 237	L 15	# 532	C/ 33B	SC 33B		P 237	L 16	# 77
Stover, David		Linear Technol	ogy		Ran, Adee	1		Intel		
compliant cha does not inclu SuggestedRemed	for derivation of annel and PD e ude an Annex 3 dy by stover_01.	omment Status D R_load_max and R_load ffective resistances, can 33D. If not, TFTD what to do w sponse Status Z	be found in Ar	nnex 33D." This draft	Suggested Add th Response	33D doesn <i>Remedy</i> le required o PT IN PRIN	't seem to exisi details here or o <i>Respor</i>	ent Status A	annex	
	nt was WITHDF	RAWN by the commenter.			Cl 33 Darshan, `	SC Ann	ex 33B	P 237 Microsemi	L 16	# 250
SuggestedReme	TR C d in Annex 33D dy e missing Anne Re	Charter Common omment Status A " - said Annex does not e ex or revise the text to elin sponse Status W	xist	ce to non-existing Annex	Anne» Rload missir Anne» and it the wt ago. A refere	_min/max w g and shou D is neede is hard to se tole spec es nnex D com nce at the e	s the reader to there derived and ld be added as d since all the peethe whole pin cplained in shor ttent was review	planned. parts of pair to pair cture. I find it very u	are pair to pair r unbalance are s useful to have sh it was planned to the original cont	elated. This Annex is spread all over the spec nort summary that show o be there long time
OBE by 250					Suggester	-	oody in darshar	n_06_0916.pdf for A	Annex D	
Darshan, Yair <i>Comment Type</i> (See darshar Annex 33B d	n_06_0916.pdf) irects the reade	P 237 Microsemi omment Status A er to Annex 33D to find im ed. This Annex is missing			Response ACCE	PT IN PRIN	Respor	o Annex 33D from s		
SuggestedReme	dy d remedy in da <i>Re</i>	rshan_06_0916.pdf for Ar sponse Status C								

Pa **237** Li **16**

C/ 33 SC ANNEX 33B P 237 L 18 # 201 Darshan, Yair Microsemi	C/ 33B SC 33B P 237 L 22 # 78 Ran, Adee Intel
Comment Type TR Comment Status A Pres: Darshan7 (See editing marks on page 5 in darshan_07_0916.pdf) In the text "A compliant unbalanced load, Rload, consists of the channel (cables and connectors) and the PD effective resistances." Pres: Darshan7	Comment Type E Comment Status A Pres: Darshal Equation 33-14 defines R_PSE_max. The sentence is not clear. The next paragraph seems to repeat the same idea. Pres: Darshal
Rload is actually Rload_min and Rload_max as discussed in Annex 33B. In addition for improved clarity, to tie Rload with Rchan and RPair_ PD. SuggestedRemedy (See editing marks on page 5 in darshan_07_0916.pdf) Change: "A compliant unbalanced load, Rload, consists of the channel (cables and connectors) and the PD effective resistances." To: "A compliant unbalanced load, Rload_min and Rload_max consists of the channel (cables and connectors), PD effective resistances and PSE PI effective resistance. See Annex D. Response Response Status C	SuggestedRemedy Change "the relationship between PSE PI Equation (33–14) and Rload_min and Rload_max" to "the relationship between effective resistances at the PSE PI (Equation (33–14)) and Rload_min and Rload_max" Consider merging the first sentence of the next paragraph into this one. Response Response Status C ACCEPT IN PRINCIPLE. Add to TDL: Yair to align paragraphs above and below Figure 33B-1 to remove repetition. See comment 78 in D2.0
ACCEPT IN PRINCIPLE. OBE by 213	C/ 33 SC 33B.1 P 238 L 30 # 204 Darshan, Yair Microsemi
Cl 33 SC Annex B P 237 L 18 # 253 Darshan, Yair Microsemi Pres: Darshan7 Comment Type TR Comment Status A Pres: Darshan7 Annex B needs some updates. See darshan_07_0916.pdf pages 5-8 for editing marked document. SuggestedRemedy See proposedd updates in darshan_07_0916.pdf pages 5-8 for editing marked document. Response Response Status C ACCEPT IN PRINCIPLE. OBE by 213 OBE by 213 Data Status C	Comment Type TR Comment Status D Pres: Darshall Figure 33B-2: 1. The drawing looks like broken on the left side at the connections to Vport_pse, Vdiff1 and Vdiff2. 2. The arrows marking the point of measuring Veff1, Veff1, Veff3 abd Veff4 are not sufficiently clear where they are pointing. Follow the original drawing darshan_03_0916.pdf for the intent. SuggestedRemedy Editor to: 1. Fix the broken connection in Figure 33B-2. See reference in darshan_03_0916.pdf. 2. To align the arrows to the correct position as exactly as shown in darshan_03_0916.pdf. Proposed Response Response Status Z

Pa **238** Li **30**

C/ 33 SC 33.B.1 P 238 L 30 # 44 Trowbridge, Steve Nokia	C/ 33 SC 33B.4 P 240 L 37 # 252 Darshan, Yair Microsemi				
Comment Type E Comment Status A Pres: Darshan7 Several sloppy elements in Figure 33B-2 - the vertical lines at the left between Vdiff1 and Vport_PSE and between Vport_PSE and Vdiff2 are composed of multiple line segments that don't line up. Several of the lines that are supposed to meet in the figure cross over SuggestedRemedy Zoom in close and tidy up the figure Response Response Status C ACCEPT IN PRINCIPLE. OBE by 213	Darshan, Yair Microsemi Comment Type TR Comment Status D Pres: Darshan (This comment is identical to other comment in which only file name was corrected.)				
C/ 33B SC 33B.4 P 240 L 34 # 80 Ran, Adee Intel Intel Editorial Comment Type E Comment Status A Editorial This subclause does not seem to fit in the hierarchy after 33B.1, 33B.2, 33B.3. This text seems to apply to all cases. Should it be in the heading of 33B? SuggestedRemedy Consider moving to 33B (just before 33B.1). Consider moving to 33B (just before 33B.1).	SuggestedRemedy (See editing marks on page 8 in darshan_07_0916.pdf) In 33B.4: 1. Replace all "0.1 ohm" with "0.2 ohm". 2. Replace "Rchan" with "Rchan-2P". Proposed Response Response Status Z REJECT. This comment was WITHDRAWN by the commenter.				
Response Response Status C ACCEPT IN PRINCIPLE. Move text of 33B.4 to 2nd to last paragraph of introductory material in Annex 33B (page 237, line 45).					

Remove 33B.4 heading.

Pa **240** Li **37**

Cl 33 SC 33B.4 P 240 L 37 # 200 Darshan, Yair Microsemi	C/ A33CSC A33CP 241L 1# 480Yseboodt, LennartPhilips
Comment TypeTRComment StatusDWithdrawn(see editing marks on page 8 in darshan_0716.pdf)"ICon_2P_unb and Equation (33–14) are specified for total channel common mode pair resistance from 0.1 ohm to 12.5 ohm and worst case unbalance contribution by a PD. When the PSE is tested for channel common mode resistance less than 0.1 ohm, i.e. 0 ohm < Rchan < 0.1 ohm, the PSE shall be tested with (Rload_min - Rchan) and (Rload_max - Rchan) to meet ICon-2P-unb requirements and RPSE_min and RPSE_max conformance to Equation (33–14)."In the above text it is about Rchan-2P which range from 0.2 ohm to 12.5 ohm.	Comment Type ER Comment Status A Editorial Page 1 of accepted baseline lukacs_01_0516_timings_baseline_rev5.pdf was not implemented in D1.8. SuggestedRemedy Editorial SuggestedRemedy Implement page 1 of lukacs_01_0516_timings_baseline_rev5.pdf Editorial Response Response Status W ACCEPT. Editorial
SuggestedRemedy (See editing marks on page 8 in darshan_0716.pdf) In 33B.4:	C/ 33 SC Annex 33C P 241 L 14 # 231 Darshan, Yair Microsemi
2. Replace "Rchan" with "Rchan-2P". Proposed Response Response Status Z REJECT. This comment was WITHDRAWN by the commenter. C/ 33B SC 33B.4 P 240 L 38 # 120 Hajduczenia, Marek Charter Communicatio	 Annex 33c objective is to supply informative data regarding the timing relationships between detection and connection check as function of CC_DET_SEQ variable options. After reviewing it, it seems to supply also information regarding if classification must be done in parallel when dual-signature PD is detected and Class_4PID_mult_events_sec is TRUE which is not necessarily correct. Staggered classification can be done regardless if it is single or dual signature PD and staggered classification can be done regardless if it is Class_4PID_mult_events_sec is TRUE or FALSE. In addition, in all drawings, PWRUP starts at the same time while in dual-signature or even single signature, PWR UP can be done in different times.
Comment Type E Comment Status A PICS There are plenty of "shall" statements in 33B, but no PICS for compliance statement SuggestedRemedy Consider adding PICS to cover individual mandatory requirements included in Annex 33B Response Response Status C ACCEPT IN PRINCIPLE. C	 SuggestedRemedy Update drawing to address the following points: a)In dual-signature classification can be done in parallel or in staggered way. See example in figure 33C-2, 33C-5 that classification is in parallel and cab ne also staggered. Or add note saying "The drawing show one option to classification and POWER_ON timing. Staggered classification and POWER_ON can be done." b)Scan all drawing in Annex 33C and repeat the fix if required.
OBE by 79	Response Response Status C ACCEPT IN PRINCIPLE. Add to TDL: Yair and Miklos, please work offline using Lennart's Frame version before next meeting to fix Annex 33C per comment 231 D2.0.

Pa **241** Li **14**

C/ 33 SC 33C.1.1 Darshan, Yair	P 241 Microsemi	L 25	# 202	C/ 33 SC 33C.2 Darshan, Yair	P 245 Microsemi	L 20	# 203
Comment Type E "Figure 33C–2 illustrate connection check is 'sir It should be Figure 33C		ET_SEQ=0 w	<i>Editorial</i> hen the result of	Comment Type T Figure 33C-12: Missing SuggestedRemedy Add TCLE1 lable and an	Comment Status A TCLE1 lable and arrow as do rrow to Figure 33C-12.	one for Figure 3	Annex 33C-13.
SuggestedRemedy Replace Figure 33C–2	with Figure 33C-1.			Response ACCEPT.	Response Status C		
Response ACCEPT.	Response Status C			CI 33C SC 33C.3 Hajduczenia, Marek	P 246 Charter Comm	L 20 nunicatio	# 123
C/ 33C SC 33C.1.1 Hajduczenia, Marek	P 242 Charter Comm	L 1 Junicatio	# 121	Comment Type E Avoid the use of relative	Comment Status A e figure references: "The follo	wing sample ti	Editorial ming diagram"
Comment Type E Sentence in lines 1 and	Comment Status A 2 is broken in the middle		Editorial	SuggestedRemedy Change to "Figure 33C-	15" - make sure the link is liv	/e	
SuggestedRemedy Make sure that the sent	tence is NOT broken in the m	iddle.		Response ACCEPT.	Response Status C		
Response ACCEPT.	Response Status C						
C/ 33C SC 33C.1.1 Hajduczenia, Marek	P 242 Charter Comm	L 45 Junicatio	# 122				
Comment Type E Consider adding forced avoid automatic hypher	Comment Status A line break in caption of Figur nation	e 33C-5/6/8/9	<i>Editorial</i> after the word "dual" to				
SuggestedRemedy Per comment							
Response ACCEPT.	Response Status C						

Pa **246** Li **20**