Anslow, Pete	<i>P</i> Ciena	L	# 172	C/ 00 SC 0	P UNH IOL	L	# 255
				Klempa, Michael			
	number of broken cross references or if the target loc				Comment Status D g "," instead of "." according to the er should be a dot on the line (de		Editorial
SuggestedRemedy	oss-references in the draft. Son	ne are black text	, some are black cross-	the	on is intended for international ad	. ,	
Either make them them into text with	into live cross-references or if the character tag "External"	-		SuggestedRemedy Replace all approp	riate "," in equations with "."		
	location of each cross-reference so I have highlighted the ones to			Proposed Response PROPOSED ACC	Response Status W		
Proposed Response PROPOSED ACCI	Response Status W			C/ FM SC FM Zimmerman, George	P1 CME Consult	L <b>2</b> ting, Aqua	# 84
C/ 00 SC 0	Р	L	# 146	Comment Type E	Comment Status D		Editorial
Maguire, Valerie	Siemon			•••	015 as amended by (several	amendments, n	ot clear yet)
Comment Type E	Comment Status D		Editorial	SuggestedRemedy			
			Luitonai	Suggesteunemeuv			
The terms "twisted document. Please	pair" and "twisted-pair" are ofter standardize on one style. "Tw		ngeably throughout the	Change header to to publication>".	add "as amended by <list ar<="" of="" td=""><td>mendments to b</td><td>be provided by staff prior</td></list>	mendments to b	be provided by staff prior
The terms "twisted document. Please structured cabling	pair" and "twisted-pair" are ofter standardize on one style. "Tw		ngeably throughout the	Change header to to publication>". Proposed Response	Response Status W	mendments to b	e provided by staff prior
The terms "twisted document. Please structured cabling SuggestedRemedy	pair" and "twisted-pair" are ofter standardize on one style. "Tw	isted-pair" is rec	ngeably throughout the ommended to align with	Change header to to publication>".	Response Status W	mendments to b	e provided by staff prior # 133
The terms "twisted document. Please structured cabling SuggestedRemedy Perform a global so appropriate.	pair" and "twisted-pair" are ofte standardize on one style. "Twi Standards.	isted-pair" is rec	ngeably throughout the ommended to align with	Change header to to publication>". Proposed Response PROPOSED ACC	Response Status W	L 24	
The terms "twisted document. Please structured cabling SuggestedRemedy Perform a global se appropriate. Proposed Response	pair" and "twisted-pair" are ofte standardize on one style. "Twi Standards. earch for the term "twisted pair"	isted-pair" is rec	ngeably throughout the ommended to align with	Change header to to publication>". Proposed Response PROPOSED ACC C/ 00 SC 0 Grow, Robert Comment Type E	Response Status W EPT. P 1 RMG Consul Comment Status D	L 24	
The terms "twisted document. Please structured cabling SuggestedRemedy Perform a global so appropriate. Proposed Response PROPOSED ACCI I believe "twisted-p	pair" and "twisted-pair" are ofter standardize on one style. "Tw Standards. earch for the term "twisted pair" <i>Response Status</i> <b>W</b>	isted-pair" is rec and replace with s an adjective (e	ngeably throughout the commended to align with n "twisted-pair" where x: "twisted-pair cabling"),	Change header to to publication>". Proposed Response PROPOSED ACCI C/ 00 SC 0 Grow, Robert Comment Type E No longer in TF rev SuggestedRemedy	Response Status W EPT. P 1 RMG Consul Comment Status D	L 24	# [133

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 **1** Li **24**  Page 1 of 124 8/31/2016 3:49:34 PM

C/FM SC FM	P <b>1</b>	L <b>25</b>	# 159	C/FM SC FM	P 3	L <b>38</b>	# 85
Anslow, Pete	Ciena			Zimmerman, George	CME Consult	ing, Aqua	
Comment Type E "Draft D2.0 is prepared for initial Working Grou	Comment Status D for Task Force Review." sh up ballot."	ould have been	<i>Editorial</i> Draft D2.0 is prepared	Comment Type E Base standard is IEE SuggestedRemedy	Comment Status D E Std 802.3-2015, draft says "	201x"	Editoria
SuggestedRemedy Going forward change Proposed Response PROPOSED ACCEPT	to Draft D2.1 is prepared for Response Status W IN PRINCIPLE.	Working Group	ballot recirculation."	Change -201x to -20 Proposed Response PROPOSED ACCEF	Response Status W		
OBE by 133				C/ FM SC FM Anslow, Pete	P <b>3</b> Ciena	L <b>40</b>	# 161
C/ FM SC FM Zimmerman, George	P 1 CME Consul	L <b>26</b> ting, Aqua	# 83	Comment Type E "IEEE Std 802.3-201	Comment Status D x" should be "IEEE Std 802.3-	2015"	Editoria
Comment Type <b>E</b> Draft says it is for Tasl	Comment Status D Force Review.		Editorial	SuggestedRemedy Change "IEEE Std 8	02.3-201x" to "IEEE Std 802.3-	2015"	
SuggestedRemedy Change "Task Force F	eview" to "Working Group R	ecirculation" (as	suming this is on D2.1	Proposed Response PROPOSED ACCEF	Response Status W PT IN PRINCIPLE.		
Proposed Response PROPOSED ACCEPT	Response Status W			OBE by 85			
OBE by 133				C/ FM SC FM Hajduczenia, Marek	P <b>4</b> Charter Com	L <b>19</b> municatio	# 111
C/ FM SC FM Anslow, Pete	P <b>2</b> Ciena	L <b>4</b>	# 160	Comment Type E List of amendments i	Comment Status <b>D</b> is NOT complete - we are now	up to 9 amendr	<i>Editoria</i>
Comment Type E "The power classificati "will be" is predicting the second secon	Comment Status <b>D</b> on information exchanged du	uring negotiation	<i>Editorial</i> will be extended …"	SuggestedRemedy Please update front r	natter to use the latest list of a	vailable / publisł	hed amendments
SuggestedRemedy Change "will be extend				Proposed Response PROPOSED ACCEF	Response Status W PT IN PRINCIPLE.		
Proposed Response	Response Status W			OBE by 134			

Pa **4** Li **19** 

C/ 00	SC O	P <b>4</b>	L 19	# 134
Grow, Rober	rt	RMG Cons	sulting	
Comment Ty	vpe ER	Comment Status D		Editorial
Obsolete	e front matter d	locument list.		

You also need to help the reader know what you are considering the base document to be. That is done here and/or with the WG template, in the Editor's note at the bottom of page 19.

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.

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).

Proposed Response Response Status W PROPOSED ACCEPT. 

 CI FM
 SC FM
 P 4
 L 20
 #
 86

 Zimmerman, George
 CME Consulting, Aqua
 Editorial

 Comment Type
 E
 Comment Status
 D
 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 descriptions add in descriptions of known proceeding amondments. See for

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 publication

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

C/ <b>FM</b>	SC FM	P <b>4</b>	L <b>20</b>	# 162
Anslow, Pe	ete	Ciena		
Comment	Tvpe E	Comment Status D		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.

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

OBE by 134

Pa **4** Li **20** 

C/FM S	SC FM	P <b>4</b>	L 30	#	163
Anslow, Pete		Ciena			
Comment Typ	e E	Comment Status D			Editorial

The summary "This amendment includes enhancements that will increase the maximum power available beyond current standards by utilizing all four pairs in the structured wiring plant" is not in accordance with summaries of other amendments. It includes "that will enhance", which will not be appropriate once the amendment is published. It also says "beyond current standards" which will not be appropriate once the amendment is published. It also says "beyond current standards" which will not be appropriate once the amendment is published. It says that it will increase the maximum power available. What power? Optical power? Electrical signal power? The text ends with a green underlined comma. As an example, the P802.3bu summary is: "This amendment includes changes to IEEE Std 802.3-2015 to define a methodology for the provision of power via a single twisted pair to connected Data Terminal Equipment (DTE) with IEEE 802.3 interfaces."

#### SuggestedRemedy

Re-write the summary in line with those of other amendments

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

Replace with: "This amedment includes changes to IEEE Std 802.3-2105 to increase the maximum power available ??? by utilizing all four pairs in the structured wiring plant."

TFTD						
C/ FM	SC FM	P 6		L <b>4</b>	#	325
Law, Davi	d	HPE				
Comment Sugge	51	Comment Status E P802.3xx' shou	_	changed to read '	IEEE P	<i>Editorial</i> 802.3bt'.
Suggestee See c	dRemedy omment.					
•	Response POSED ACCEPT.	Response Status	w			

C/ FM	SC FM	F	°6	L 22	#	326	
Law, David		HP	E				
Comment T	ype E	Comment State	ıs D				Editoria
		ng Group voter list supp VG_names_DL_24081					
SuggestedF See cor							
Proposed R PROPC	esponse SED ACC	Response Statu EPT.	s W				
C/ FM	SC FM	ŀ	°11	L <b>54</b>	#	481	
Yseboodt, L	ennart	Ph	lips				
Comment T	vpe E	Comment State	ıs D				Editoria
Unfortur		I am getting *so* close able of contents still re	ads "Copyi	right (c) 201x IEE	E."		
Unfortur SuggestedF Change Proposed R	nately the Remedy to "Copyr	able of contents still re ght (c) 2016 IEEE." <i>Response Statu</i>		right (c) 201x IEE	E."		
Unfortur SuggestedF Change Proposed R PROPC	nately the Remedy to "Copyr esponse	able of contents still re ght (c) 2016 IEEE." <i>Response Statu</i> EPT.		right (c) 201x IEE	E." 	87	
Unfortur SuggestedF Change Proposed R	hately the Remedy to "Copyr esponse DSED ACC SC FM	able of contents still re ght (c) 2016 IEEE." <i>Response Statu</i> EPT.	s W	L 44		87	
Unfortur SuggestedF Change Proposed R PROPC CI FM Zimmerman Comment T Update	hately the Remedy to "Copyr esponse DSED ACC SC FM , George ype E	able of contents still re ght (c) 2016 IEEE." <i>Response Statu</i> EPT. <i>F</i> CM <i>Comment Statu</i> endments are likely to b	s W 219 IE Consulti IS D	<i>L</i> 44 ing, Aqua	#		
Unfortur Suggested R Change Proposed R PROPC CI FM Zimmerman Comment T Update Bk and	hately the Remedy to "Copyr esponse DSED ACC SC FM , George ype E which ame bj are long Remedy	able of contents still re ght (c) 2016 IEEE." <i>Response Statu</i> EPT. <i>F</i> CM <i>Comment Statu</i> endments are likely to b	s W 219 IE Consulti IS D	<i>L</i> 44 ing, Aqua	#		
Unfortur SuggestedF Change Proposed R PROPC CI FM Zimmerman Comment T Update Bk and SuggestedF See cor Proposed R	hately the Remedy to "Copyr esponse SED ACC SC FM , George ype E which ame bj are long Remedy nment	able of contents still re ght (c) 2016 IEEE." <i>Response Statu</i> EPT. <i>F</i> CM <i>Comment Statu</i> endments are likely to b gone.	s W 219 E Consulti <i>Is</i> D e in paralle	<i>L</i> 44 ing, Aqua	#		<i>Editoria</i> pout.

C/ 00         SC 0         P 19         L 44         # 135           Grow, Robert         RMG Consulting	Cl 1         SC 1.4.254         P 20         L 20         # 89           Zimmerman, George         CME Consulting, Aqua
Comment Type ER Comment Status D Editorial This editorial note has not been updated for this draft (P802.3bj and P802.3bk are not	Comment Type <b>T</b> Comment Status <b>D</b> Editoria The text in clause 33 deals with cases of more than on PSE connected in the link segment
running in parallel). SuggestedRemedy Either delete (if information provided in front matter document list), or update to reflect the projects and drafts considered in creating this draft.	(an endpoint and a midspan - hence there is backoff). Therefore there can actually be more than one link section per link segment, and it should be between "a" PSE and PD SuggestedRemedy Change "the" to "a"
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	Proposed Response Response Status W PROPOSED ACCEPT.
OBE by 87 C/ 1 SC 1.3 P 20 L 3 # 151	C/ 1         SC 1.4.313a         P 20         L 22         # 164           Anslow, Pete         Ciena
Criment Type       E       Comment Status       D       Editorial         Remote editor's note and subclause 1.3. Not needed if there is not content under 1.3.       SuggestedRemedy         As per comment.       Proposed Response       Response Status       W	Comment Type       E       Comment Status       D       Editoria         "Insert 1.4.131a after" should be "Insert 1.4.313a after"       SuggestedRemedy       Editoria         SuggestedRemedy       Change "Insert 1.4.131a after" to "Insert 1.4.313a after"       Proposed Response       Response Status       W         PROPOSED ACCEPT.       V       V       V       V       V
PROPOSED REJECT. A normative reference is being added by comment 88.	Cl 1         SC 1.4.313a         P 20         L 24         # [482]           Stover, David         Linear Technology
TFTD           C/ 1         SC 1.3         P 20         L 8         # 88           Zimmerman, George         CME Consulting, Aqua	Comment TypeEComment StatusDEditoria"pairset: Either of the two valid 4-wire connections as listed in IEEE 802.3, 33.2.4". There are four connections listed in 33.2.4; be more explicit.SuggestedRemedy
Comment Type <b>TR</b> Comment Status <b>D</b> Cabling TIA-TSB-184-A now contains information necessary to understanding the cabling requirements for Clause 33, including not only ambient temperature but DC unbalance both within and between pairsets. As such it is no longer bibliographical, but essential in understanding the cabling requirements for the document and should be normative	Change Either of the two valid 4-wire connections as listed in IEEE 802.3, 33.2.4. to Either Alternative A or Alternative B as described in IEEE 802.3, 33.2.4.
SuggestedRemedy Add reference to TIA TSB-184-A to the normative references and delete the editor's note, and update references in document (e.g., page 44 line 26)	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change to:
Proposed Response Response Status W PROPOSED ACCEPT.	"Either of the two valid 4-wire connections, Alternative A or Alternative B, as listed in IEEE 802.3, 33.2.4."

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa <b>20</b>	Page 5 of 124
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	Li <b>24</b>	8/31/2016 3:49:34 PM
SORT ORDER: Page, Line		

C/ 1 SC 1.4.381a Grow, Robert	n P 20 RMG Consult	L <b>26</b>	# 136	C/ 1 SC 1.4.41 Grow, Robert	5 P 20 RMG Consulting	L <b>31</b> # 137
Comment Type ER	Comment Status D		Editorial	Comment Type ER	Comment Status D	Editorial
	mber and instruction, insert is d-pair copper cable.	alphanumerical	ly after 802.3bp	P802.3bu/D3.1 has	all edits shown here, and more.	
SuggestedRemedy				SuggestedRemedy Delete the change t	0 1 4 415	
	4.381b update editing instructi duced prior to 22 Sep or P802			Proposed Response PROPOSED ACCE	Response Status W	
Proposed Response	Response Status W			C/ 1 SC 1.4.41	5 <i>P</i> 20	L <b>31</b> # 483
PROPOSED ACCEP	Г.			Stover, David	Linear Technolog	
C/ 1 SC 1.4.381a	P 20	L 26	# 90	Comment Type E	Comment Status D	Editorial
Zimmerman, George	CME Consult	ng, Aqua			0	aft, the convention is "Class X" when
Comment Type TR	Comment Status D		Editorial	referring to a seque	nce of class events.	
	signature resistance and switc			SuggestedRemedy		
it is never connected t needs to say "simulat	to the same pairset, is it still si aneously shares".	ngle-signature?	If so, the definition	Change lines 31, 36 Class X signature	6, 43	
SuggestedRemedy				to		
See comment.				Class X		
Proposed Response PROPOSED ACCEP <sup>-</sup>	Response Status <b>W</b> Г.			Proposed Response PROPOSED REJE	Response Status W	
Insert "simultaneously	" before "shares"			I am not sure I unde	erstand the distinction. These sente	ences are referring to class
C/ 1 SC 1.4.381a	P 20	L <b>26</b>	# 165	signature during phy references to Class	vsical layer classification so they are	e a bit different from normal
Anslow, Pete	Ciena					
Comment Type E	Comment Status D		Editorial	TFTD		
	p-2016 inserted "single twiste	d pair copper c	able" as 1.4.381a, so	C/ 1 SC 1.4.41 Grow, Robert	8a P 20 RMG Consulting	L <b>34</b> # 138
• •	will have to be 1.4.381aa			Comment Type ER	Comment Status D	Editorial
SuggestedRemedy	tion "Incont 4.4.004pp hofers 4	4.004 a llain ala		The numbering dup	licates numbers in P802.3bu.	
0	tion "Insert 1.4.381aa before 1 802.3bp-2016) as follows:	.4.381a "single	-signature PD" (as	SuggestedRemedy		
Renumber the new de	, ,			,	se numbers and editing instruction	to insert as 1.4.418aa through
Proposed Response	Response Status W			1.4.418ad after 1.4.	418 "Type 2 PSE" (before insert 1.4	.418a of IEEE Std 802.3bu-20xx).
PROPOSED ACCEP	Γ IN PRINCIPLE.			Proposed Response	Response Status W	
OBE by 136				PROPOSED ACCE	PT IN PRINCIPLE.	
				OBE by 166		

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~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		5.44	1.00		0		5.44	1.10	
Cl 1 SC 1.4 Anslow, Pete	.418a	<i>P</i> <b>20</b> Ciena	L <b>36</b>	# 166	C/ <b>1</b> Zimmermar	SC 1.4.418b		L <b>40</b> Dinsulting, Aqua	# 91
Comment Type E P802.3bu is inse draft will have to SuggestedRemedy Change the editi PoDL System" (a	rting "Type A be 1.4.418aa ng instruction as inserted by	nment Status <b>D</b> PoDL System" as 1.4 through 1.4.418ad.	to 1.4.418ad bef )1x) as follows:"	<i>Editorial</i> rpe x insertions in this ore 1.4.418a "Type A ad.	Comment 7 Using 7 (for Typ definitio no iden Class 6	ype TR ype to define F ve 3), and in 1.4 ons for Type 3 a tifiable maximu Type 3 PSEs ous at best, un	Comment Status	wer levels are define efer to Class power I ver, it appears that fo e are up to Class 3, t escription of "up to xx	r Type 3 PSEs there is up to Class 4 and up to
Proposed Response PROPOSED AC		onse Status W			00	up to Type 3 p	oower levels", and in 1.4. Response Status <b>V</b>		Type 4 power levels"
C/ 1 SC 1.4 Stover, David	.418a	P <b>20</b> Linear Techno	L <b>37</b> blogy	# 484	,	, DSED ACCEPT	IN PRINCIPLE.	•	
Comment Type E "multiple-Even SuggestedRemedy		nment Status <b>D</b> h" Capitaliazation de	oes not match re	<i>Editorial</i> est of draft.	Replace In 1.4.4	e "up to Type 3 18d	power levels" with "up t power levels" with "up t	·	
Change lines 37, multiple-Event	, 40				C/ <b>1</b> Zimmermar Comment 7			L <b>45</b> onsulting, Aqua	# <u>93</u> Editorial
Multiple-Event Proposed Response PROPOSED AC	,	onse Status W			Is Mode Mode a	e capitalized or s powering wit	not (it is here, but not in h a pairset in Clause 33 e same as the definition	the same text on line are capitalized, howe	e 37). Most usages of
					consist	apitalization co ent throughout			scrub the text to make
					Proposed F PROPC	,	Response Status V	V	

Editor to make draft consistent with capitalized "Mode".

Pa **20** Li **45**  Page 7 of 124 8/31/2016 3:49:34 PM

C/ 1 SC 1.4.4	18d	P <b>20</b>	L 47	# 128	C/ 1	SC 1.5	P	21 /	L 15	# 129
Hajduczenia, Marek		Charter Comr	nunicatio		Hajducze	enia, Marek	Char	ter Communica	atio	
Comment Type E	Comm	ent Status D		Editor	al Commen	t Type E	Comment Status	D		Editoria
				EE 802.3, Clause 33)."		eed to keep 1.	5 and 1.3 if there is no c	ontent		
		r power. (See IEEE art with "S" in the b		33).", i.e., have "." at the me change to be	Suggeste	edRemedy				
		1.4.415 and in 1.4.3			Rem	ove and add *	only* if there is anything	to be had there	е	
SuggestedRemedy					Proposed	d Response	Response Status	w		
per comment. Note	e that the base	e text is not consiste	ent in itself toda	у	PRO	POSED ACCE	EPT IN PRINCIPLE.			
Proposed Response PROPOSED ACCI	,	nse Status W			Rem	ove 1.5				
	~-	5.04		"	1.3 h	as a normativ	e reference added by a d	comment.		
C/ 1 SC 1.4.4 Thompson, Geoff	25	P <b>21</b> GraCaSI S.A.	L <b>3</b>	# 539	C/ <b>25</b>	SC 25	P	23	L <b>1</b>	# 327
•	0				Law, Dav	/id	HPE			
Comment Type ER		ent Status X	n belongs in cla	<i>Editor</i> ause 33, not clause 1	aı Commen	t Type E	Comment Status	D		Editoria
This is a paramete	a, not a term.		in belongs in cia	ause 55, not clause i					<b>.</b>	ad Clause 70
Suggested Periody					Pleas	se correct draf	it designation in header i	n this Clause, 0	Clause 30 a	nd Clause 79.
SuggestedRemedy Move to clause 33						se correct draf edRemedy	t designation in header i	n this Clause, (	Clause 30 a	nd Clause 79.
Move to clause 33		nse Status W			Suggeste	edRemedy	rt designation in header i r text 'IEEE Draft P802.3			
Move to clause 33 Proposed Response		nse Status W			Suggeste Sugg	edRemedy	C C	B/D2.0' should r		
Move to clause 33 Proposed Response TFTD	Respor	nse Status W			Suggeste Sugg Proposed	edRemedy gest the heade	r text 'IEEE Draft P802.3 Response Status	B/D2.0' should r		
Move to clause 33 Proposed Response	Respor	nse Status W			Suggeste Sugg Proposed PRO	edRemedy gest the heade d Response POSED ACCI	r text 'IEEE Draft P802.3 <i>Response Status</i> EPT.	8/D2.0' should r W	read 'IEEE [	Draft P802.3bt/D2.0'.
Move to clause 33 Proposed Response TFTD This is legacy text.	Respoi	P 21	L <b>7</b>	# 540	Suggeste Sugg Proposed PRO C/ <b>25</b>	edRemedy gest the heade d Response POSED ACCE SC 25.4.4	r text 'IEEE Draft P802.3 Response Status EPT. 5 P2	8/D2.0' should r W	read 'IEEE [ 	
Move to clause 33 Proposed Response TFTD This is legacy text.	Respoi			# 540	Suggeste Sugg Proposed PRO C/ <b>25</b> Hajducze	edRemedy gest the heade d Response POSED ACCI SC <b>25.4</b> . enia, Marek	r text 'IEEE Draft P802.3 <i>Response Status</i> EPT. 5 P2 Char	W 23 Ler Communica	read 'IEEE [ 	Draft P802.3bt/D2.0'.
Move to clause 33 Proposed Response TFTD This is legacy text. C/ 1 SC 1.4.4 Thompson, Geoff Comment Type ER	Respor	P <b>21</b> GraCaSI S.A. pent Status <b>X</b>		# <u>540</u> Editor ause 33, not clause 1	Suggeste Sugg Proposed PRO C/ 25 Hajducze Commen	edRemedy gest the heade d Response POSED ACCI SC 25.4.1 enia, Marek at Type ER ems like text o	r text 'IEEE Draft P802.3 <i>Response Status</i> EPT. 5 P2 Char	W 23 D D	read 'IEEE [ <i>L</i> 10 atio	Draft P802.3bt/D2.0'. # <u>130</u> <i>Editoria</i>
Move to clause 33 Proposed Response TFTD This is legacy text. Cl 1 SC 1.4.4 Thompson, Geoff Comment Type ER This is a paramete	Respor	P <b>21</b> GraCaSI S.A. pent Status <b>X</b>		Editor	Suggeste Sugg Proposed PRO CI 25 Hajducze Hajducze al It see upda	edRemedy gest the heade d Response POSED ACCI SC 25.4.1 enia, Marek at Type ER ems like text o	er text 'IEEE Draft P802.3 Response Status EPT. 5 P 2 Char Comment Status	W 23 D D	read 'IEEE [ <i>L</i> 10 atio	Draft P802.3bt/D2.0'. # <u>130</u> <i>Editoria</i>
Move to clause 33 Proposed Response TFTD This is legacy text. C/ 1 SC 1.4.4 Thompson, Geoff Comment Type ER	Respor  26 Comm r, not a term.	P <b>21</b> GraCaSI S.A. pent Status <b>X</b>		Editor	Suggeste Sugg Proposed PRO CI 25 Hajducze al Commen It see upda Suggeste	edRemedy gest the heade d Response POSED ACCI SC 25.4. SC 25.4. SC 25.4. Enia, Marek at Type ER ems like text o ted edRemedy	er text 'IEEE Draft P802.3 Response Status EPT. 5 P 2 Char Comment Status	W W 23 bter Communica D odified. Associa	read 'IEEE [ <i>L</i> 10 atio	Draft P802.3bt/D2.0'. # <u>130</u> <i>Editoria</i>
Move to clause 33 Proposed Response TFTD This is legacy text. Cl 1 SC 1.4.4 Thompson, Geoff Comment Type ER This is a paramete SuggestedRemedy	Respor	P <b>21</b> GraCaSI S.A. pent Status <b>X</b>		Editor	Suggeste Sugg Proposed PRO C/ 25 Hajducze al Commen It see upda Suggeste Pleas Proposed	edRemedy gest the heade d Response POSED ACCI SC 25.4. SC 25.4. SC 25.4. Enia, Marek at Type ER ems like text o ted edRemedy	er text 'IEEE Draft P802.3 Response Status EPT. 5 P2 Char Comment Status f requirement is being m S to match newly modifi Response Status	W 23 Ater Communica D odified. Associa	read 'IEEE [ <i>L</i> 10 atio	Draft P802.3bt/D2.0'. # <u>130</u> <i>Editoria</i>
Move to clause 33 Proposed Response TFTD This is legacy text. Cl 1 SC 1.4.4 Thompson, Geoff Comment Type ER This is a paramete SuggestedRemedy Move to clause 33 Proposed Response	Respor  26 r, not a term. Respor	P 21 GraCaSI S.A. eent Status X As such, it definitio		Editor	Suggeste Sugg Proposed PRO C/ 25 Hajducze al Commen It see upda Suggeste Pleas Proposed PRO	edRemedy gest the heade d Response POSED ACCI SC 25.4. enia, Marek at Type ER ems like text o ted edRemedy se update PIC d Response POSED ACCI	er text 'IEEE Draft P802.3 Response Status EPT. 5 P2 Char Comment Status f requirement is being m S to match newly modifi Response Status	W 23 Ater Communica D odified. Associ ed text W	read 'IEEE I L 10 atio	Draft P802.3bt/D2.0'. # <u>130</u> <i>Editoria</i>

Pa **23** 

Li 10

C/ 25         SC 25.4.5         P 23         L 11         # 7           Jones, Chad         Cisco         <	Cl 25         SC 25.4.5         P 23         L 15         # 152           Laubach, Mark         Broadcom Limited         152
Comment TypeEComment StatusDEditorial"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".	Comment Type E Comment Status D Editori Cross reference for "25.4.5.1". Add it. SuggestedRemedy
Make this match. SuggestedRemedy change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD"	As per comment.  Proposed Response Response Status W  PROPOSED 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         Cisco
and:	Comment Type ER Comment Status D Editori
change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" Proposed Response Response Status W PROPOSED ACCEPT.	"passed through a link specified in ; and received" there is a missing link before the semicolon. Checking old versions, the proper link is 25.4.8 SuggestedRemedy add link to the reference section as 25.4.8 Proposed Response Response Status W
change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or         Type 2, Type 3, and Type 4 PD"         to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater         PD"         Proposed Response       Response Status         PROPOSED ACCEPT.         Cl 25       SC 25.4.5         P 23       L 11         # 82	"passed through a link specified in ; and received" there is a missing link before the semicolon. Checking old versions, the proper link is 25.4.8 SuggestedRemedy add link to the reference section as 25.4.8
change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or         Type 2, Type 3, and Type 4 PD"         to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater         PD"         Proposed Response       Response Status         W         PROPOSED ACCEPT.         C/ 25       SC 25.4.5         P 23       L 11         Zimmerman, George       CME Consulting, Aqua	<ul> <li>"passed through a link specified in ; and received" there is a missing link before the semicolon. Checking old versions, the proper link is 25.4.8</li> <li>SuggestedRemedy add link to the reference section as 25.4.8</li> <li>Proposed Response Response Response Status W PROPOSED ACCEPT.</li> </ul>
change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" Proposed Response Response Status W PROPOSED ACCEPT. Cl 25 SC 25.4.5 P 23 L 11 # 82 Zimmerman, George CME Consulting, Aqua Comment Type E Comment Status D Editorial Text in 25.4.5 should be parallel to text in 25.4.7, 25.4.5 enumerates the types, while 25.4.7 simply calls out "or greater".	"passed through a link specified in ; and received" there is a missing link before the semicolon. Checking old versions, the proper link is 25.4.8 SuggestedRemedy add link to the reference section as 25.4.8 Proposed Response Response Status W PROPOSED ACCEPT. C/ 30 SC 30 P 24 L 1 # 2
change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" Proposed Response Response Status W PROPOSED ACCEPT. C/ 25 SC 25.4.5 P 23 L 11 # 82 Zimmerman, George CME Consulting, Aqua Comment Type E Comment Status D Editorial Text in 25.4.5 should be parallel to text in 25.4.7, 25.4.5 enumerates the types, while	"passed through a link specified in ; and received" there is a missing link before the semicolon. Checking old versions, the proper link is 25.4.8 SuggestedRemedy add link to the reference section as 25.4.8 Proposed Response Response Status W PROPOSED ACCEPT.           C/         30         SC 30         P 24         L 1         #         2           Carlson, Steven         HSD/Robert Bosch         Editori It appears the entire subclause from the base document has been copied into Clause 30. It         Editori
change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" Proposed Response Response Status W PROPOSED ACCEPT. C/ 25 SC 25.4.5 P 23 L 11 # 82 Zimmerman, George CME Consulting, Aqua Comment Type E Comment Status D Editorial Text in 25.4.5 should be parallel to text in 25.4.7, 25.4.5 enumerates the types, while 25.4.7 simply calls out "or greater". SuggestedRemedy	"passed through a link specified in ; and received" there is a missing link before the semicolon. Checking old versions, the proper link is 25.4.8          SuggestedRemedy add link to the reference section as 25.4.8         Proposed Response       Response Status         W       PROPOSED ACCEPT.         C/ 30       SC 30       P 24       L 1       #         Carlson, Steven       HSD/Robert Bosch         Comment Type       ER       Comment Status       D       Editori         It appears the entire subclause from the base document has been copied into Clause 30. It is difficult to follow the change instructions and to determine what has actually changed.

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

C/ 30 SC 30			286		SC 0		P <b>27</b>	L <b>1</b>	# 167
Schindler, Fred	Seen Simply, Broa	dco		Anslow, Pete			Ciena		
Comment Type TR	Comment Status D		Management	Comment Ty	De ER	Comment S	tatus D		Editorial
	be added to this section. This inclusion of the section of the sec		ENT-2.	amended	clauses in	n the draft.		C	nmodified subclauses in
SuggestedRemedy						ded: "Any unchang lone. There is still			
Add on line 4, "Editor	r's Note: readers are encouraged to	improve the manage	ement section		clauses ir		a large allio		subclauses in
	LVs. Table 79-8 should match these			SuggestedRe	medv				
should not be consid comment made.	ered satisfied until an acceptable so	lution is provided to	addess the	00	,	ses that are not be	ing changed	d in amended cla	
Proposed Response	Deepenee Status M			This app	ears to incl	ude:	ing changed		
PROPOSED ACCEP	Response Status W					eave the heading)			
PROPOSED ACCEP	1.			30.9.1.1. 30.9.1.1.	1 through 3	30.9.1.1.3			
TFTD (to make peop	le aware).					30.9.1.1.14			
C/ 30 SC 30.2.5	P 24	L8 #	92	All of 30.	9.2				
			92	All of 30.		20 42 2 4 49			
Zimmerman, George	CME Consulting, A	qua		30.12.2.1		30.12.2.1.18			
Comment Type E	Comment Status D		Editorial		n 30.12.3				
	struction inserts new rows, or "chang					30.12.3.1.18			
	o insertions. Insert instructions do r	tot ordinarily get und	enines eitner.	79.1 thro The text					
SuggestedRemedy				All of 79.					
	uction to read "Insert new rows" and f as to whether it is clearer to leave t					some new text at	the end of 7	9.3.2 with no edit	ing instruction. Add an
	ocks of inserted rows while deleting t		0	editing in					
Proposed Response	Response Status W	no unonangou romo.		79.3.2.1 The cont	hrough 79	.3.2.3 .2.4 (leave the hea	dina)		
	,			79.3.2.4.	2 and 79.3.	.2.4.3	ung)		
PROPOSED ACCEP	·1.			The cont		.2.5 and 79.3.2.6 e	xcept Table	79-5 and Table 7	79-6
				79.3.2.7			,		
				The cont 79.4.1	ent of 79.4	(leave the heading	1)		
				The text	of 79.4.2				
						the PICS appers to	be to chan	ge "enquiries" to	"inquiries" on pasge
				228, line	22, but this	s is "inquiries" in th	e base stand		nere are unmarked
				changes	remove the	e entire PICS secti	on.		
				Proposed Re	sponse	Response St	atus <b>W</b>		
				PROPOS	ED ACCE	PT.			

Pa **27** Li 1

C/ 30         SC 30.9         P 27         L 1         # 139           Grow, Robert         RMG Consulting	C/ 30         SC 30.9.1         P 27         L 4         # 153           Laubach, Mark         Broadcom Limited         Image: Comparison of the second
Comment Type         E         Comment Status         D         Editorial           I assume the intent of including all of 30.9 through 30-12 is for convienence of the reviewer. That shojuld be noted.         E         E         E	Comment Type         E         Comment Status         D         Editoria           Editor instructions appear to be missing pertaining to lines 4 through 46. Is this replacement text, new text?         Add editor instructions.         Editorial
SuggestedRemedy 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. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 167	SuggestedRemedy As per comment. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. I believe these sections are unchanged. OBE by 167
C/ 30SC 30.9P 27L 1# 131Hajduczenia, MarekCharter Communicatio	Cl 00         SC 0         P 27         L 5         # 58           Ran, Adee         Intel
Comment Type       ER       Comment Status       D       Editorial         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       Existing unmodified         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	Comment Type       E       Comment Status       D       Editorial         The content of subclauses 30.9, 30.10, and clause 78 seems to include the whole content from the base document, with editorial instructions only in some subclauses. It is difficult to dentify the changes. Amendments should include only the amended parts.       SuggestedRemedy         Remove all unchanged subclauses in the amendment.       Proposed Response       Response Status       W
There is also no indication (editorial instructions) as to what text is being added (which subclauses are new) Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 167	PROPOSED ACCEPT. OBE by 167

Pa **27** Li **5** 

<i>CI</i> <b>30</b> Law, David	SC 30.9.1.1.3	<i>Р</i> <b>27</b> НРЕ	L <b>44</b>	# 328	<i>Cl</i> <b>30</b> Law, David	SC 30.9.1.1.4	P <b>28</b> HPE	L <b>8</b>	# 330
aw, David       HPE         Comment Type       TR       Comment Status       D       Management         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.         Suggest that both instances of the text ' through the aSectionSESs attribute' should be changed to read ' through the aPSEPowerPairs attribute'.         Proposed Response       Response Status       W         PROPOSED ACCEPT.				determin pairsets have to b The char Alternativ the PSE aSection should b Based or	se 33.2.6.7 '4P e whether an a prior to applyin be met before a nges to this attu ve A and Altern Pinout Alterna SESThreshold e aPSEPowerf n this it seems	Comment Status <b>D</b> ID requirements' states that attached PD is a candidate t g power to both pairsets.' and applying power to both pairs ribute has added a new enu- native B'. The behaviour the tive used to the indicated va is "true." (See my other cor PairsControlAbility).	o receive power nd then goes on ets. meration 'both' d n states that 'A S alue only if the att mment that aSec owerPairsControl	on both to state the conditions efined as 'PSE Pinout ET operation changes tribute tionSESThreshold Ability is "true", and if	
<i>CI <b>30</b></i> Law, David	SC 30.9.1.1.4	<i>Р</i> <b>28</b> НРЕ	L 8	# 329	enumera the Subc	tion 'both' ' c lause 33.2.6.7	ttribute is "signal" or "spare" hanges the PSE Pinout Alte 4PID requirements. In addi neration 'both' on a PSE tha	tion what happer	to 4-pair regardless of ns if there is a SET
only if the attribute aSection don't thir	, HAVIOUR DEFIN e attribute aSecti aSectionSESThr ISESThreshold a hk this is correct.	Comment Status D IED AS' text states that 'Al onSESThreshold is "true." reshold is "false" a SET op ttribute is part of the WAN Instead I think the reference	If the eration has no e Interface Sublay	ffect.'. Since the /er (WIS) object class I	indicated the attrib functions	the text 'A SE <sup>-</sup> value only if the ute aPSEPowe to be disabled	Γ operation changes the PS he attribute aSectionSESTh erPairsControlAbility is "true d, the PSE Pinout Alternative and then the PSE functions	reshold is "true." " a SET operatio e use to be chan	' be changed to read 'If n will cause the PSE
	werPairsControl	Ability attribute.			Proposed Re		Response Status W		
SuggestedRe	,	an of the tout! the attails	the officiation of the	Threshold is chould	PROPOS	SED ACCEPT.			
		es of the text ' the attribute aPSEPowerPain			TFTD (ne	eed an expert)			
Proposed Re PROPOS	esponse SED ACCEPT.	Response Status W							

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

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

aubaab Mark	P <b>28</b> Broadcom Lir	L 17	# 154	Cl 30	SC 30.9.1.1.7		P 29	L 23	#	485
aubach, Mark		mied		Stover, Dav			Linear Technol	logy		
No editor instructions appr so not sure what the inten appropriate editor's instruct	t is here. Detected one di	fference between	the texts. So, add		ype <b>T</b> rase "this will ma ent will map to. E		r. Does this me			
In looking forward, this is a subclauses and associate changed, it doesn't need t leading up to the new/cha instructions, and the adde	d text for what is being ch o be this draft. Only the f nged subclauses , the sul	hanged in Clause irst subclause he bclause header o	30, if nothing is being aders for each level		-		s present, then	this will map to	o the Inva	lid Signature
uggestedRemedy As per comment.				If a Cla	use 22 MII or Cla Signature bit spe					ed when the
Proposed Response F PROPOSED ACCEPT IN	Response Status W PRINCIPLE.			Proposed R PROPC	<i>esponse</i> DSED ACCEPT.	Response S	tatus <b>W</b>			
OBE by 167				TFTD (I	need an expert)					
/ <b>30</b> SC <b>30.9.1.1.6</b> aw, David	<i>P</i> <b>29</b> HPE	L 11	# 331	Note: le	egacy text					
<i>comment Type</i> <b>TR</b> The 'BEHAVIOUR DEFIN	Comment Status D ED AS' text states that 'Th			CI <b>30</b> Stover, Dav Comment T	уре Т		P 29 Linear Technol tatus D	L <b>35</b> logy	#	486 Management
being powered, that is the "deliveringPower." Since to Sublayer (WIS) object class be to the aPSEPowerDete uggestedRemedy Suggest the text ' is the read ' is the attribute aP roposed Response PROPOSED ACCEPT.	the aLineSESThreshold a ss I don't think this is correctionStatus attribute. attribute aLineSESThresh	ect. Instead I thin	the WAN Interface k the reference should	increme event. SuggestedF Change If a Clau specifie to If a Clau	ent will map to. E Remedy use 22 MII or Cla d in 33.5.1.2.4.; use 22 MII or Cla Denied bit specif	ause 35 GMII i ause 35 GMII i	ncorrect. The i s present, then s present, then .4 changes fror	ncrement has t this will map to this counter is	to map to o the Pow	an edge er Denied bit

SORT ORDER: Page, Line

Stover, David       Linear Technology       Stover, David       Linear Technology         Comment Type       T       Comment Status       D       Management         The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.       Comment Type       T       Comment Type       T       Comment Type       T       Comment Status       D       Management         SuggestedRemedy       Change       If a Clause 35 GMII is present, then this will map to the Overload bit specified in 33.5.1.2.8, then this counter is icremented when the Overload bit specified in 33.5.1.2.8, changes from FALSE to TRUE.;       SuggestedRemedy       Change       If a Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.8, changes from FALSE to TRUE.;       SuggestedRemedy       Change       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.9, changes from FALSE to TRUE.;       SuggestedRemedy       Change       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.9, changes from FALSE to TRUE.;       Proposed Response       Response Status       W         PROPOSED ACCEPT.       TFTD (need an expert)       TFTD (need an expert)       TFTD (need an expert)       Note: legacy text         Vote: legacy text       Ci 30       SC 30.9.1.2.1       P31	C/ 30 SC 30.9.1.1.9	P 29	L <b>47</b>	# 487	C/ 30	SC	30.9.1.1.1	1	P 30	L 17	#	489
The parase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.       The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.         Suggested/Remedy       Change       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.8 changes from FALSE to TRUE.;         Proposed Response       Response Status W         PROPOSED ACCEPT.       TFTD (need an expert)         Note: legacy text       Incernent will map to the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.;         Proposed Response       To Comment Status D         Management Type T       Comment Status D         Management Type T       Comment Status D         Management Syne T is will map to clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.;         Proposed Response       To Comment Status D         Management Type T       Comment Status D         Management Syne To Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE;         Proposed Response       Response Status W         PROPOSED ACCEPT.       PS         The true Status 2D       Management Stow PS <t< td=""><td>Stover, David</td><td>Linear Techn</td><td>ology</td><td></td><td>Stover, Da</td><td>vid</td><td></td><td></td><td>Linear Tech</td><td>nology</td><td></td><td></td></t<>	Stover, David	Linear Techn	ology		Stover, Da	vid			Linear Tech	nology		
increment will map to. Either way it is incorrect. The increment has to map to an edge event. SuggestedRemedy Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Overload bit specified in 33.5.1.2.8. To If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Correct Status D Management The phrase 'this will map to's unclear. Does this mean the counter will map to or the increment will map to 2. Either way it is incorrect. The increment dwent way it is incorrect. The increment has to map to an edge event. SuggestedRemedy Change If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Storer. David Linear Technology Change If a Clause 22 MII or Clause 35 GMII is present, then this counter will map to the Short Circuit bit specified in 33.5.1.2.7. TeTD (need an expert) SuggestedRemedy Change If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the SuggestedRemedy Change If a Clause 25 GMII is present, then this counter is icremented when the SuggestedRemedy Change If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7. To If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7. To If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7. To If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7. To If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7. To If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7. The text '	Comment Type T	Comment Status D		Management	Comment	Туре	т	Comme	ent Status D			Managemen
Change       If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Overload bit specified in 33.5.1.2.8;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.8;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.8;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.8;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.8;         Proposed Response       Response Status       W         PROPOSED ACCEPT.       TFTD (need an expert)         Note: legacy text       Cl 30       SC 30.9.1.2.1       P31       L8       # 332         Comment Type       T       Comment Status       D       Management informent Status       D       Management informent Status       Note: legacy text         Comment Type       T       Comment Status       D       Management informent Status       Management informent Status<	increment will map to. E				increm	nent will						
If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Overload bit specified in 33.5.1.2.8.;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.8.;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.8.;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.9.;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.9.;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.9.;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.9.;         Proposed Response       Response Status W       Proposed Response Clause 35 GMII is present, then this counter is icremented when the Status D       Management         SuggestedRemedy       Comment Type T Comment Status D       Management       Management         If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7.;       Page 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7.;       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7.;       If a Clause 22 MII or Clause 35 GMII is present, then this	SuggestedRemedy				Suggested	Remea	ly					
If a clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Overload bit specified in 33.5.1.2.8 changes from FALSE to TRUE.;         Proposed Response       Response Status       W         PROPOSED ACCEPT.       TFTD (need an expert)       W         Note: legacy text       Innear Technology       TFTD (need an expert)         Comment Type       T       Comment Status       D         Management in increment will map to' is unclear. Does this mean the counter will map to or the increment will map to'. Either way it is incorrect. The increment has to map to an edge event.       Wanagement Status       D         SuggestedRemedy       Change       If a clause 23 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.;       Proposed Response       Response Status       W         Proposed Response       Response Status       W       PROPOSED ACCEPT.       TFTD (need an expert)         Note: legacy text       Ci 30       SC 30.9.1.2.1       P31       L 8       # 332         Law, David       HPE       Comment Type       T       Comment Type       T       Comment Status       D       Man         The large 2 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.;       Proposed Response       Response Status       <	If a Clause 22 MII or Cla	use 35 GMII is present, the	en this will map t	o the Overload bit	If a Cla	ause 22		ause 35 G	MII is present, th	en this will map to	o the MPS	Absent bit
PROPOSED ACCEPT. TFTD (need an expert) Note: legacy text C1 30 SC 30.9.1.1.10 P 30 L 5 # 488 Stover, David Linear Technology Comment Type T Comment Status D Management The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event. SuggestedRemedy Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE; Proposed Response Catus W PROPOSED ACCEPT. TFTD (need an expert) TFTD (need an expert)	If a Clause 22 MII or Cla				lf a Cla							ed when the
TFTD (need an expert)       Note: legacy text         Di So       S0. 90.9.1.1.10       P 30       L 5       # 488         Stover, David       Linear Technology       Management         Comment Type       T       Comment Status D       Management         The phrase "this will map to" is unclear. Does this mean the counter will map to an edge event.       Management         SuggestedRemedy       Comment Status D       Management         Change       Ta Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7 ; anges from FALSE to TRUE.;       SuggestedRemedy         Proposed Response       Response Status W       PROPOSED ACCEPT.         Proposed Response       Response Status W       PROPOSED ACCEPT.         TFTD (need an expert)       TFTD (need an expert)       Proposed Response	Proposed Response	Response Status W			Proposed	Respon	se	Respons	se Status W			
Note: legacy text       C1 30       SC 30.9.1.1.10       P 30       L 5       # 488         Stover, David       Linear Technology       Comment Status D       Management         Comment Type T       Comment Status D       Management         The phrase "this will map to" is unclear. Does this mean the counter will map to on edge event.       HPE         SuggestedRemedy       Change       If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.;       Mote: legacy text         to       If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.;       Suggest Response Response Status W         Proposed Response Response Status W       Response Status W       Response Status W         PROPOSED ACCEPT.       TFTD (need an expert)       Mote: legacy text	PROPOSED ACCEPT.				PROP	OSED	ACCEPT.					
C/ 30 SC 30.9.1.1.10 P 30 L 5 # 488 Stover, David Linear Technology Comment Type T Comment Status D Management The phrase "this will map to. Either way it is incorrect. The increment has to map to an edge event. SuggestedRemedy Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.; to If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.; Proposed Response Response Status W PROPOSED ACCEPT. TFTD (need an expert) Clause 12 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in a	TFTD (need an expert)				TFTD	(need a	an expert)					
Stover, David       Linear Technology         Comment Type       T       Comment Status       D       Management         The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.       Law, David       HPE         SuggestedRemedy       Change       If a Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.;       Image Transmitted in the this sounter is icremented when the Short Circuit bit specified in 33.5.1.2.7. changes from FALSE to TRUE.;       SuggestedRemedy       SuggestedRemedy         Proposed Response       Response Status       W         PROPOSED ACCEPT.       TFTD (need an expert)       W	Note: legacy text				Note:	legacy t	ext					
Comment Type       T       Comment Status       D       Management         The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.       Comment Type       TR       Comment Status       D       Management         SuggestedRemedy       Change       If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.;       I) The text 'Same as a SectionStatus' should read 'Same as a PSEAdminState'.       SuggestedRemedy         If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.;       Froposed Response       Response Status       W         PROPOSED ACCEPT.       TFTD (need an expert)       TFTD (need an expert)       W       PROPOSED ACCEPT.	C/ 30 SC 30.9.1.1.10	) P 30	L <b>5</b>	# 488	C/ 30	SC	30.9.1.2.1		P 31	L <b>8</b>	#	332
The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event. SuggestedRemedy Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.; to If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.; Proposed Response Response Status W PROPOSED ACCEPT. TFTD (need an expert) The VAPPROPRIATE SYNTAX' and 'BEHAVIOUR DEFINED AS' text both refer to the ascetionStatus attribute which is part of the WAN Interface Sublayer (WIS) object cl don't think this is correct and instead this should reference aPSEAdminState. SuggestedRemedy Suggest that: [1] The text 'Same as aSectionStatus' should read 'Same as aPSEAdminState'. [2] The text ' a means to alter aSectionStatus' should read ' a means to alter aPSEAdminState'. [2] The text ' a means to alter aSectionStatus' should read ' a means to alter aPSEAdminState'. [2] The text ' a means to alter aSectionStatus' should read ' a means to alter aPSEAdminState'. [3] The top object Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.; Proposed Response Response Status W PROPOSED ACCEPT. TFTD (need an expert)	Stover, David	Linear Techn	ology		Law, David	ł			HPE			
increment will map to. Either way it is incorrect. The increment has to map to an edge event. SuggestedRemedy Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.; to If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.; Proposed Response Response Status W PROPOSED ACCEPT. TFTD (need an expert) A Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in a character of the the transmission of the transmi	Comment Type T	Comment Status D		Management	Comment	Туре	TR	Comme	ent Status D			Managemen
Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.; to If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.; Proposed Response Response Status W PROPOSED ACCEPT. TFTD (need an expert) Suggest that: [1] The text 'Same as aSectionStatus' should read 'Same as aPSEAdminState'. [2] The text ' a means to alter aSectionStatus' should read ' a means to alter aPSEAdminState'. Proposed Response Response Status W PROPOSED ACCEPT.	increment will map to. E	•		•	aSecti	onStatu	is attribute	which is	part of the WAN	Interface Sublaye	er (WIS) ob	
If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.; (1] The text 'Same as a SectionStatus' should read 'Same as a PSEAdminState'. [2] The text ' a means to alter a SectionStatus' should read ' a means to alter a PSEAdminState'. [2] The text ' a means to alter a SectionStatus' should read ' a means to alter a PSEAdminState'. [2] The text ' a means to alter a SectionStatus' should read ' a means to alter a PSEAdminState'. [2] The text ' a means to alter a SectionStatus' should read ' a means to alter a PSEAdminState'. [2] The text ' a means to alter a SectionStatus' should read ' a means to alter a PSEAdminState'. Proposed Response Response Status W PROPOSED ACCEPT. TFTD (need an expert)	SuggestedRemedy				Suggested	Remed	ly					
specified in 33.5.1.2.7.; to If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.; Proposed Response Response Status W PROPOSED ACCEPT. TFTD (need an expert) ITTTD (need an expert)		use 35 GMII is present the	an this will man t	o the Short Circuit bit	Sugge	est that:						
Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.; Proposed Response Response Status W PROPOSED ACCEPT. TFTD (need an expert)	specified in 33.5.1.2.7.; to		·		[2] The	e text '	. a means					
Proposed Response     Response Status     W       PROPOSED ACCEPT.     TFTD (need an expert)						•		Respons	se Status W			
	1 1	Response Status W			РКОР	USED	ACCEPT.					
Note: legacy text	TFTD (need an expert)											
	Note: legacy text											
	·											

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 **31** Li **8** 

					-				
	C 30.12.2.1.14	P 35	L <b>4</b>	# 490	C/ 33 SC	33	P 41	L 1	# 59
Stover, David		Linear Techn	ology		Ran, Adee		Intel		
Comment Type	<b>T</b> Cor	nment Status X		Management	Comment Type	TR	Comment Status D		Ec
"aLldpXdot	3LocPowerType" T	here is no value for T	ype 3 or Type 4				to review a whole clause that i		
SuggestedRen	nedy						h, since much of the figures th e many minor editorial change		
		be 4. I'm honestly not 35, L4 and p38, L50	sure what the e	ncoding should be for	marking.		e many miner calibrational change		
Proposed Res	oonse Res	oonse Status W			Amending ar	n existing	clause should be done with the	e minimum cha	anges required.
TFTD (no i	remedy suggested)				Technically,	it is uncle	ar how the large number of cha	anges in an ex	isting clause would
	C 30.12.2.1.18a	P 36	L 11	# 168	affect compli	ance of e	existing devices.		
Anslow, Pete		Ciena			Wouldn't it b	e more ap	ppropriate to have a new claus	e to cover the	4-pair POE?
Comment Type	e E Cor	nment Status D		Editorial	SuggestedReme	dy			
		new managed object 30.12.2.1.18d" is not					dmed clause marked with all s new clause for the new specif		s (instead of a globa
SuggestedRen Change ec	,	"Insert 30.12.2.1.18a	30.12.2.1.18b.	30.12.2.1.18c. and			son to replace the whole clause		
	18d after 30.12.2.1.		,		Proposed Respo		Response Status W		
Proposed Res	oonse Res	oonse Status 🛛 🛛 🛛 🛛 🛛 🖉			PROPOSED		,		
PROPOSE	D ACCEPT.				<del>.</del>				
CI 30 S	C 30.12.3.1.18a	P 39	L 53	# 169			ubstantial that it does warrant a nal amendment procedure with		
Anslow, Pete		Ciena			draft 1.5 only	to discov	ver that changes were impossi	ble to track sin	ce we had touched t
Comment Type	e E Cor	nment Status D		Edtitorial			ce. The change bar was a cor g markups made the draft import		
Editing ins	truction "Insert four	new remote system c 2.3.1.18b, 30.12.3.1.1			As for creatir	ng a new	clause, the TF discussed this t g our path of admending Claus	opic and a vot	
SuggestedDen	nedy				See commer	nt 102 fro	m D1.4 review for vote and		
SuggestedRen	liting instruction to.	"Insert 30 12 3 1 18a	30.12.3.1.18b,	30.12.3.1.18c, and	http://www.ie	ee802.or	g/3/bt/public/nov15/yseboodt_	1_1115_newcla	ause_v120.pdf and
Change ec	18d after 30.12.3.1.				1100.77 WWW.IC	ee802.or	g/3/bt/public/nov15/darshan_0	5_1115.pdf for	presentations.

Pa **41** Li **1** 

CI 33         SC 33.1         P 41         L 1         # 541           Thompson, Geoff         GraCaSI S.A.         541	C/ 33     SC 33     P 41     L 1     # 132       Hajduczenia, Marek     Charter Communicatio
Maintenance Request #1276 not implemented in draft SuggestedRemedy	enance Comment Type TR Comment Status D Editorial Clause 33 is marked for wholesome replacement. Does it mean that the scope of changes to the existing base material is so dramatic that it warrants a complete replacement? It hides all technical changes from the reader, though
Implement Maintenance Request #1276         Proposed Response       Response Status         W         PROPOSED ACCEPT IN PRINCIPLE.	SuggestedRemedy Please provide proper markup for Clause 33 changes. Right now, it is not really possible to tell what the changes are and comment on the changes correctly.
OBE by 5	Proposed Response Response Status W PROPOSED REJECT.
When looking at existing Clause 33 and this Clause 33 replacement, I find enough of the same text and subclause numbers. As such, I cannot tell what has been changed from existing Clause 33 and what remains the same. Modify Clause 33 to be the normal method of updating/changing existing clauses: i.e., editing instructions and adding/del	n page. All of the editing markups made the draft impossible to read as well.
text, etc. SuggestedRemedy As per comment.	C/ 33         SC 33         P 41         L 1         # 350           Yseboodt, Lennart         Philips
Proposed Response Response Status W PROPOSED REJECT.	Comment Type         ER         Comment Status         D         Editoria           We have multiple variants of the One True "ICon-2P-unb" in the doc.         Editoria         Editoria
The changes are so substantial that it warrants a complete replacement. We proceed the normal amendment procedure with individual editing instructions through draft 1.5 to discover that changes were impossible to track since we had touched the entire cla in essance. The change bar was a continous strip down the right side of the page. Al the editing markups made the draft impossible to read as well.	only - Use underscores for suffixes, except if they appear after "-2P".
TFTD	Proposed Response Response Status W

IFID

PROPOSED ACCEPT.

Pa **41** Li 1

C/ 33 SC 33 Carlson, Steven	P <b>41</b> HSD/Robert Bose	L <b>4</b> ch	# 3		C/ <b>33</b> Jones, Cha	SC <b>33.1</b> d		<i>P</i> <b>41</b> Cisco	L <b>4</b>	#	5
Comment Type ER	Comment Status D			Editorial	Comment 7	Type TR		Comment Status D			Maintenand
	e entire clause with the diff agains ell what has actually changed due			marks				n behalf of maintenance. Th nst 33.1 but also applies to		submitted	by David Law.
SuggestedRemedy								2 keywords include 'Power ot appear anywhere within t			
	kes it easier to determine what ha	s changed.			Suggestedl	Remedy					
Proposed Response PROPOSED REJEC	Response Status W				[1] Add 'Definiti		ng new	v definition in alphanumeric	order to IEEE	Std 802.3	subclause 1.4
proceeded in the nor draft 1.5 only to disco	substantial that it does warrant a c mal amendment procedure with in over that changes were impossible nce. The change bar was a contin	dividual editin to track since	g instructions th we had touche	ed the	PSE ar		hat pro	er over Ethernet (IEEE 802. ovides power across balanc			
	ng markups made the draft imposs				[2] Add 'Abbrev		ng new	v definition in alphanumeric	order to IEEE	Std 802.3	subclause 1.5
					PoE Po	ower over E	therne	et			
					[3] Moo follows		parag	raph of IEEE Std 802.3 sub	clause 33.1 'O	verview' to	read as
					Etherne consist Sourcir defined	et (PoE) sys s of two opt ng Equipme I in Clause :	stem fo tional p ent (PS 25 and	unctional and electrical cha or deployment over balance power (non-data) entities, a E), for use with the MAU de d Clause 40. These entities cabling as is used for data t	d twisted-pair of Powered Device fined in Claus allow devices t	cabling. Th ce (PD) ar e 14 and t	he system nd Power he PHYs
					Pronosed P	Posnonso		Posponso Status W			

Proposed Response Response Status W PROPOSED ACCEPT.

Pa **41** Li **4** 

C/ 33	SC 33.1		P <b>41</b>	L 12	# 333	
Law, David		HF	ΡE			
Comment T	<i>уре</i> <b>т</b>	Comment Star	tus D			PHYs
(non-da and the	ta) entities PHYs defined ragraph 2.5GE	this subclause sta for use with the MA I in Clause 25, Clau BASE-T and 5GBA	U defin use 40,	ed in Clause 14 and Clause 55.' h	owever as stated	I in the
SuggestedF	Remedy					
		Clause 25, Clau e 126, and Clause		and Clause 55.' is	changed to read	' Clause
Proposed R PROPC	•	Response Stat T IN PRINCIPLE.	us W			
Is there	a reason they	are not in number	ical ord	er?		
		e 25, Clause 40, a , and Clause 126.'.		se 55.' is changed	to read ' Clause	25,
CI 33	SC 33.1		P <b>41</b>	L <b>12</b>	# 94	
Zimmermar	n, George	C	/IE Con	sulting, Aqua		
Comment T	ype TR	Comment Star	tus D			PHYs
		e 126 (802.3bz, wh PHYs are called ou				
Suggested	Remedy					
Change	e "and Clause	55" to "Clause 55,	and Cla	use 126"		
Proposed R	Response	Response Stat	us W			
PROPC	OSED ACCEP	T IN PRINCIPLE.				
OBE by	( 333					

Cl 33 Booth, Br	SC ad	33.1	P 4 Micro	•	L 15	#	533
Commen	t Type	Е	Comment Status	х			Editorial
state publi	ment for shed as	any clause a stand-alor	in the 802.3 standa	ard or iders	efined in Clause 1.4." i draft standard. If this of this amendment ma ne necessary terms wh	specif ly ass	ication is ume that 1.4
Suggeste	dRemec	ły					
Delet	te the se	ntence.					
Proposed	d Respon	ise	Response Status	w			
TFT	) (legacy	r text)					
CI 33	SC	33.1	P 4	1	L <b>22</b>	#	491
Stover, D	avid		Linea	r Tecl	hnology		
<i>Commen</i> "b) T cabli	he chara	E cteristics of	Comment Status a powered device'	_	d on the power source	and th	<i>Editorial</i> ne structured
Why used		a non-stand	ard capitalization a	nd wł	hy is the just defined P	D acr	onym not
Why	is the ter	rm device u	sed instead of PD?				

#### uggestedRemedy

#### Change

b) The characteristics of a powered device's load on the power source and the structured cabling

c) A protocol allowing the detection of a device that requests power from a PSE

d) Methods to classify devices based on their power needs

e) A method for powered devices and power sourcing equipment to dynamically negotiate and allocate power

#### to

b) The characteristics of a PD's load on the power source and the structured cabling

c) A protocol allowing the detection of a PD that requests power from a PSE

d) Methods to classify PDs based on their power needs

e) A method for PDs and PSEs to dynamically negotiate and allocate power

Proposed Response Response Status W

PROPOSED ACCEPT.

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CI 33	SC 33.1.2	P <b>43</b>	L 17	# 95	CI 33	SC 33	P <b>43</b>	L <b>33</b>	# 171	
Zimmerma	an, George	CME Consult	ting, Aqua		Anslow, P	ete	Ciena			
Comment	Туре Е	Comment Status D		Editorial	Comment	Type <b>TR</b>	Comment Status D		Editoria	
	hould be parallel hernet"	to Figure 33-2 (and the rest	of 802.3), CSM	A/CD has been replaced	exact	, with the numb	otherwise stated, numerical lir per of significant digits and tra	ling zeros having	no significance."	
Suggestee	dRemedy						g zeros (after the decimal poir	it) should not be s	nown.	
Chang	ge "CSMA/CD" to	o "Ethernet"			Suggeste	-				
•	Response POSED ACCEPT	Response Status W			Table Table	33-1, Table 33 33-13, Table 3	bs throughout the draft. This in 3-8, Table 33-9, Table 33-10, 33-14, Table 33-15, Table 33- 14, Table 33-15, Table 33- 14, Table 33-17, Equation 33-18	Table 33-11, Page 17, Equation 33-1	11, Equation 33-14,	
<i>Cl</i> <b>33</b> Anslow, P	SC 33.1.2 ete	P <b>43</b> Ciena	L 17	# 170	Equation 33-15, Equation 33-17, Equation 33-18, Equation 33-19, Table 33-18, Table 21, Table 33-22, Table 33-23 Table 33-24, Table 33-25, Table 33-26, Table 33-28, Ta 33-29, Table 33-30, Table 33-31, Table 33-32, Table 33-33, Equation 33-34, Equation 35, Equation 33-36, Equation 33-37, Equation 33-38, Equation 33A-4, Table 33B-1.					
made	tle of Figure 33-3	Comment Status D is not in line with those of F 3 CSMA/CD LAN model" to roject.			Proposed PROF	Response POSED ACCEI	Response Status W			
Suggester	•	0,000			CI 33	SC 33.1.3	P <b>43</b>	L <b>36</b>	# 174	
00		-2, change "IEEE 802.3 CS		del" to "IEEE 802 3	Anslow, P	ete	Ciena			
	net LAN model"				Comment	Туре Е	Comment Status D		Editoria	
Proposed	Response	Response Status W			The re	eferences to "I	SO/IEC 11801" and "ANSI/EI/	VTIA-568" should	not be in green	
PROF	POSED ACCEPT	IN PRINCIPLE.			Suggeste	dRemedy				
OBE I	by 95					all 6 reference Response	in the botton 3 rows of Table Response Status W	e 33-1 black		
C/ <b>33</b> Yseboodt,	SC 33.1.3 Lennart	P <b>43</b> Philips	L <b>31</b>	# 351	•	POSED ACCEI	,			
Comment	Туре Е	Comment Status D		Editoiral						
Table	33-1 in 33.1.3, th	nere is a table footnote with "	'Minimum Cablir	ng Type".						
what i <i>Suggested</i> - Rem	is essentially the dRemedy nove table 33-1 fc		-							
	Response	Response Status W	ia ngnoor ound							
,	POSED ACCEPT	,								

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

C/ <b>33</b> Jones, Chad	SC 33.1.3	P <b>43</b> Cisco	L <b>42</b>	# 9	C/ <b>33</b> Flatman, /	SC <b>33.1.3</b>	P <b>43</b> LAN Tech	L <b>47</b>	# 534		
Comment Typ	pe E	Comment Status D		Editorial	Comment		Comment Status D	liologico	Editorial		
Table 33- item 3 bel	1, the Type 4 low the table.	entry under the PSE type cc This note refers to TSB-184 as information on the cabling	A, which is a ca		Note : equiva	3 under Table 33	-1 refers to TIA TSB-184- R 29125 Edition 2, which				
SuggestedRe	emedy				Suggeste	dRemedy					
Move the	superscript '	3' on row 4 from column 1 to	column 5.		Add re	eference to ISO/	IEC TR 29125 Edition 2.				
Proposed Res PROPOS	,	Response Status W			,	Response POSED ACCEP	Response Status W				
	ote will look of the foc	odd in the cabling column as tototte.	well as it is the s	ame entry as Type 3	C/ <b>33</b> Zimmerma	SC <b>33.1.3</b> an, George	P <b>43</b> CME Con	L <b>50</b> sulting, Aqua	# 96		
Where sh	nould we mov	re it?			Comment	Type <b>TR</b>	Comment Status D		Cabling		
TFTD C/ <b>33</b> Shariff, Masoo	SC <b>33.1.3</b> od	P 43 CommScope	L 46	# 322	Is Icable the current on one twisted pair, or is it the "Nominal Highest Current per pain the header on Table 33-1? In the discussion in this paragraph, it appears that Icathe current per pair. Everywhere else, it is the nominal highest current per pair (see 33.1.3.1) In other places it is unclear (e.g., Table 33-17, where it is part of a technic requirement)						
omment Typ	be ER	Comment Status D		Cabling	Suggeste	dRemedy					
SuggestedRe Change: 3For addi	-	its as well ation, see TIA TSB-184-A.			first se lines s currer extens	entence of line 5 51 and 54, chan it", respectively, sive changes are	kimum current per pair, ch 0, and on line 51, change ge "(+Icable)" and (-ICable in both places. If Icable is e required to Table 33-1, a It is unclear which usage	"source lcable" to "s ) to "positive curren sn't the maximum cu nd 33.1.3.1, to crea	source current", and t" and "negative urrent, then more te an Icable_max, and		
To 3Eor addi	itional inform:	ation, see ISO TR 29125 and	TIA TSB-184-A		Proposed	Response	Response Status W				
roposed Res		Response Status W			PROF	POSED ACCEP	IN PRINCIPLE.				
•	•	IN PRINCIPLE.			TFTD						
OBE by 5	534				l belie	ve Table 33-17	uses Icable to mean the a	ctual current (not m	aximum).		
						ed to Table 33-1	le isn't the maximum curr , and 33.1.3.1, to create a				
					assoc		nent for unbalance in table could it be replaced with lp nt).		·		
							x, change "(+Icable)" and ( and change Icable in Tab		current" and "negative		
	TATUS: D/di	ed ER/editorial required GR/ spatched A/accepted R/reje			0	d U/unsatisfied		43 50	Page 20 of 124 8/31/2016 3:49:3		

C/ 33 SC 33.1.3 Jones, Chad	P <b>43</b> Cisco	L <b>50</b>	# 6	Cl 33 SC 33.1.3 Shariff, Masood	P <b>43</b> CommScope	L <b>50</b>	# 323
	Comment Status <b>D</b> on behalf of maintenance. Th submitted against 33.1.3 but a				Comment Status <b>D</b> logy. Multi-twisted pair cable in a very poorly balanced cable.	nplies all condu	uctors are twisted
	in the definitions clause of the ney are parameters, as such I.			SuggestedRemedy Change: multi-twisted pair cabl To: twisted-pair cable.	e.		
	hoved to appropriate placement to lcable definition in 33.1.4.			Proposed Response PROPOSED ACCEP OBE by 147	Response Status W I IN PRINCIPLE.		
Proposed Response PROPOSED ACCEP1	Response Status W						
C/ 33 SC 33.1.3 Maguire, Valerie	P <b>43</b> Siemon	L <b>50</b>	# 147				
	Comment Status <b>D</b> le" is not a generally recogniz en "twisted" and "pair".	ed term for bala	Editorial anced twisted-pair cable.				
SuggestedRemedy Replace "multi-twisted	pair cable" with "balanced tv	visted-pair cable	".				
Proposed Response PROPOSED ACCEP1	Response Status W						

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

CI <b>33</b> So Stover, David	C 33.1.3	P <b>44</b> Linear Techr	L <b>1</b> nology	# 492	C/ <b>33</b> Grow, Robe	SC <b>33.1.</b> t	3.1	P <b>44</b> RMG Consul	L <b>27</b> Iting	# 140	
Comment Type	т	Comment Status D		Cabling	Comment T	/pe ER	Commer	nt Status D			Editorial
		uishes between DC loop roonly DC pair loop resistant		C pair loop resistance,			vhat vague but in e to a normative		sibility that public	ation publicatior	editors
	e the resistan round trip pa	ce is described as the pat th.	h from the PSE	PI to the PD PI. It is		note to ind	licate update ref		nal Sponsor ball rSB-184-A.	ot recirculation,	and
Then the te	xt refers to the	e wrong one			Proposed R	esponse	Response	e 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				PROPO OBE by		EPT IN PRINCIF	PLE.				
	the cable references.		the DC loop rea	sistance called out in	C/ 33	SC 33.1.	2.4	P 44	L <b>27</b>	# 141	
RChan is th	e actual DC I	oop resistance between th	PL of the PSE	and the PL of the PD	Grow, Robe		3.1	RMG Consul		# 141	
		value of RCh/2 when oper			Comment T		Commer	nt Status X	5		Editorial
		DC loop resistance of a pa P has a maximum value o		ewpoint of the PSE PI	l find it i placeho	nconsisten	t that a place ho	Ider for 1.3 is inc note indicates a	cluded in the doc a plan to either in		is no
SuggestedRem	edy				SuggestedR			ni bibliography e	filly.		
	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 Anr insert. I	nex A chan	the reference, as		editor's note the i rojects or publish			
RChan-2P i and the PD	is the actual E PI.	DC loop resistance of a pa			Proposed R TFTD (c	•	Response stand this comm	e S <i>tatus</i> W ent)			
to					C/ <b>33</b> Laubach, Ma	SC <b>33.1.</b> ark	3.1	P <b>44</b> Broadcom Li	L <b>27</b> mited	# 155	
RChan is th PD and bac pair mode.	ne actual DC I ck to the PSE	oop pair resistance betwe PI. RChan has a maximu	en the PI of the m value of RCh/	PSE and the PI of the 2 when operating in 4-	Comment Ty Incorrec	,	<i>Commer</i> r editor's note. C	nt Status <b>D</b> Change to correc	et format.		Editorial
PI and the I	PD PI.	DC loop pair resistance of Im value of RCh.	a pairset from th	ne viewpoint of the PSE	SuggestedR As per c	<i>emedy</i> comment.					
Proposed Resp		Response Status W			Proposed R PROPO	'	Response EPT IN PRINCIF	e Status W PLE.			
					OBE by	10					
TYPE: TR/techr		•	<b>u</b> .	ed T/technical E/editorial G	0			Pa <b>4</b>	4	Page 2	2 of 124

C/ 33 SC 33.1.3.1 P 44 L 27 # 10	Cl 33 SC 33.2.1 P 45 L 14 # 11
Jones, Chad Cisco	Jones, Chad Cisco
Comment Type E Comment Status D Editorial	Comment Type E Comment Status D Editoria
The editors note; we know that it will be called TSB-184-A and we have the latest draft that is expected to be ratified as is. Change reference in 33.1.3.1 to TSB-184-A and delete note.	Table 33-2. Most of the topics in the headings make their first appearance in this standard in this table. To a brand new reader, this might be confusing and helping them understand what they are burgetting them to their descriptions within the selected latter and exciting the selected latter and
SuggestedRemedy	what they are by pointing them to their descriptions might be helpful. let's add section links.
Change reference in 33.1.3.1 to TSB-184-A and delete note.	SuggestedRemedy add the superscript of 1 to Range of maximum Classes supported, Physical Layer
Proposed Response Response Status W PROPOSED ACCEPT.	Classification, and Data Link Layer Classification. Add the superscript of 2 to Short MPS support
C/ 33         SC 33.1.3.2         P 44         L 36         # 321           Shariff, Masood         CommScope         CommScope         CommScope	Add the superscript of 3 to Autoclass add the note below Table 33-2: 1 see 33.2.7, Table 33-12, and Table 33-13
Comment Type ER Comment Status D Editorial	2 see 33.2.10 3 see 33.2.7.3
when used as an adjective qualifyiing a noun, the twisted-pair has to be a hypenated word per standard terminology. On its own, it can be used as twisted pair.	Proposed Response Response Status W PROPOSED ACCEPT.
SuggestedRemedy	
change globally:	C/ 33 SC 33.2.1 P 45 L 14 # 493
twisted pair cabling	Stover, David Linear Technology
То:	Comment Type         E         Comment Status         D         Editoria           The Range of maximum Classes supported is very confusing.         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E         E <t< td=""></t<>
twisted-pair cabling	A note would help.
Proposed Response Response Status W	SuggestedRemedy
PROPOSED ACCEPT IN PRINCIPLE.	Add
OBE by 146	Note "1" symbol after Range of maximum Class supported column heading
	Note below Table 33-2 1 Specifies the smallest of the range of class values that a PSE must support.
	Proposed Response Response Status W
	PROPOSED REJECT.
	Comment 11 adds a note pointing to the classification section and tables.
	The text of your note does not add any clarity (in my opinion).
	TFTD

Pa **45** Li **14**  Page 23 of 124 8/31/2016 3:49:35 PM

Cl 33 SC 33.2.2 P 45 L 37 # 494	C/ 33 SC 33.2.2 P 46 L 13 # 97
Stover, David Linear Technology	Zimmerman, George CME Consulting, Aqua
Comment Type E Comment Status D Editoria	
The description of Endpoint and Midspan PSE locations does not include 4-pair Alternatives.	"2.5G, 5G, or 10GBASE-T" - the nomenclature elsewhere is just to list the higher speeds. Having the "or" makes this look like it may or may not support 10G, which would make it
SuggestedRemedy	the same as the 2.5G or 5G Midspans. It is also inconsistent with 33.4.9.1 which collapse this to just "10GBASE-T" midspans
Change	SuggestedRemedy
Alternate A and Alternative B Endpoints PSEs and Midspan PSEs	Delete "2.5G, 5G, or " so that it reads "10GBASE-T Midspan PSE".
to	Proposed Response Response Status W
Various Endpoints PSEs and Midspan PSEs	PROPOSED ACCEPT.
Proposed Response Response Status W	
PROPOSED ACCEPT IN PRINCIPLE.	C/ 33 SC 33.2.2 P 47 L 2 # 334
Change to:	Law, David HPE
"various Endpoints PSEs and Midspan PSEs"	Comment Type E Comment Status X Editor
C/ 33 SC 33.2.3 P 45 L 44 # 495	Suggest Figures 33-4, 33-5, 33-7 33-933-10 and 33-11 be redrawn in the format of Figure 33-8.
tover Dovid	
	SuggestedRemedy
Comment Type E Comment Status X Editoria	
Comment Type E Comment Status X Editoria The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.	See comment.
Comment Type E Comment Status X Editoria The entire section called Midspan PSE variants is not updated to describe the 4-pair	I       See comment.         Proposed Response       Response Status         TFTD (I don't see the distinction between the two).
Comment Type E Comment Status X Editoria The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.	See comment. Proposed Response Response Status W
Comment Type       E       Comment Status       X       Editoria         The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.       SuggestedRemedy       Either delete all the text from 33.2.3 (not the figures).	I       See comment.         Proposed Response       Response Status         W       TFTD (I don't see the distinction between the two).         Cl       33       SC       33.2.4       P 53       L 37       # 496
Comment Type       E       Comment Status       X       Editorial         The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.       SuggestedRemedy       Either delete all the text from 33.2.3 (not the figures).       Move Figures 33-4 thru 33-11 to 33.2.2.       or         Add paragraphs to 33.2.3 describing the 4-pair Midspan variants.       Editorial       Editorial	See comment.         Proposed Response       Response Status       W         TFTD (I don't see the distinction between the two).         CI 33       SC 33.2.4       P 53       L 37       # 496         Stover, David       Linear Technology
Comment Type E Comment Status X Editoria The entire section called Midspan PSE variants is not updated to describe the 4-pair variants. SuggestedRemedy Either delete all the text from 33.2.3 (not the figures). Move Figures 33-4 thru 33-11 to 33.2.2. or 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.	I       See comment.         Proposed Response       Response Status       W         TFTD (I don't see the distinction between the two).       TFTD (I don't see the distinction between the two).         CI       33       SC 33.2.4       P 53       L 37       # 496         Stover, David       Linear Technology       Comment Type       T       Comment Status       X       Cable         What does this mean?       "Therefore, Alternative A matches the positive voltage to the       Stover       Stover       Stover
comment Type       E       Comment Status       X       Editorial         comment Type       E       Comment Status       X       Editorial         The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.       UggestedRemedy       Either delete all the text from 33.2.3 (not the figures).       Move Figures 33-4 thru 33-11 to 33.2.2.       or         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.       W	Image: See comment.         Proposed Response       Response Status       W         TFTD (I don't see the distinction between the two).         CI 33       SC 33.2.4       P 53       L 37       # 496         Stover, David       Linear Technology         Comment Type       T       Comment Status       X       Cable         What does this mean? "Therefore, Alternative A matches the positive voltage to the transmit pair of the PSE."       1000BASE-T allows bidirectional traffic on all lanes. Thus the referenced statement is at
Comment Type       E       Comment Status X       Editoria         Comment Type       E       Comment Status X       Editoria         The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.       SuggestedRemedy       Either delete all the text from 33.2.3 (not the figures).       Move Figures 33-4 thru 33-11 to 33.2.2.         or       Add paragraphs to 33.2.3 describing the 4-pair Midspan variants.       Move Figures 33-4 thru 33-7 up to section 33.2.2.         Proposed Response       Response Status       W	Image: See comment.         Proposed Response       Response Status W         TFTD (I don't see the distinction between the two).         Cl 33       SC 33.2.4       P 53       L 37       # 496         Stover, David       Linear Technology         Comment Type       T       Comment Status X       Cable         What does this mean? "Therefore, Alternative A matches the positive voltage to the transmit pair of the PSE."       1000BASE-T allows bidirectional traffic on all lanes. Thus the referenced statement is at best imprecise.
comment Type       E       Comment Status       X       Editorial         comment Type       E       Comment Status       X       Editorial         The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.       UggestedRemedy       Either delete all the text from 33.2.3 (not the figures).       Move Figures 33-4 thru 33-11 to 33.2.2.       or         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.       W	See comment.         Proposed Response       Response Status W         TFTD (I don't see the distinction between the two).         Cl 33       SC 33.2.4       P 53       L 37       # 496         Stover, David       Linear Technology         Comment Type       T       Comment Status X       Cable         What does this mean? "Therefore, Alternative A matches the positive voltage to the transmit pair of the PSE."       1000BASE-T allows bidirectional traffic on all lanes. Thus the referenced statement is at best imprecise.         SuggestedRemedy       SuggestedRemedy
Comment Type       E       Comment Status X       Editoria         Comment Type       E       Comment Status X       Editoria         The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.       SuggestedRemedy       Either delete all the text from 33.2.3 (not the figures).       Move Figures 33-4 thru 33-11 to 33.2.2.         or       Add paragraphs to 33.2.3 describing the 4-pair Midspan variants.       Move Figures 33-4 thru 33-7 up to section 33.2.2.         Proposed Response       Response Status       W	See comment.         Proposed Response       Response Status W         TFTD (I don't see the distinction between the two).         Cl 33       SC 33.2.4       P 53       L 37       # 496         Stover, David       Linear Technology         Comment Type       T       Comment Status X       Cable         What does this mean? "Therefore, Alternative A matches the positive voltage to the transmit pair of the PSE."       1000BASE-T allows bidirectional traffic on all lanes. Thus the referenced statement is at best imprecise.         SuggestedRemedy       Delete

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C/ 33 SC 33.2.5.1 P 54 L 18 # 497	Cl 33 SC 33.2.5.1.1 P 55 L 6 # 352
Stover, David Linear Technology	Yseboodt, Lennart Philips
51	orial Comment Type E Comment Status D Editoria
Groups of states like Detection and referred to by description instead of state name du the multiplicity of underlying states. The same should be done for the power on and up states.	to ", 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	Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT.	Cl 33 SC 33.2.5.1.1 P 55 L 11 # 353
C/ 33 SC 33.2.5.1.1 P 54 L 42 # 12	Yseboodt, Lennart Philips
lones, Chad Cisco	Comment Type E Comment Status D Editoria
	"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.
Connection Check shows up with no explanation. We forget that the average reader we know what these things are.	<sup>r't</sup> SuggestedRemedy Merge paragraphs.
SuggestedRemedy add "(see 33.2.6.1)" after Connection Check	Proposed Response Response Status W
Proposed Response Response Status W	PROPOSED ACCEPT.
PROPOSED REJECT.	Cl 33 SC 33.2.5.2 P 55 L 15 # 101
Why doe it only for connection check? A new reader wouldn't know what any of these	Zimmerman, George CME Consulting, Aqua
Why doe it only for connection check? A new reader wouldn't know what any of these things are	Comment Type E Comment Status D Editoria
0	21.5 is an active cross reference that leads nowhere - should be external. Not really sure
TFTD	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
TFTD	
TFTD	(P123), 33.3.3.8 (P127) and 33.3.3.13 (P133) for 14.2.3.2

Pa **55** Li **15** 

Check Consulting, Aqua       relevant to figures 33-13 and 33-14:         Comment Type T       Comment Status D       Editorial         Subclauses for constants and variables relate ONLY to Type 1 and Type 2 PSEs. It isn't encoth to big thave this in the header, it needs to also be in the text, rather than read "The Type 1 and Type 2 PSE state diagrams.", it should read "The Type 1 and Type 2 PSE state diagrams.", and the encline of explanatory text. (note that 33.2.5.8 reads "The Type 3 and Type 4 PSE state diagrams")       PGOOSED ACCEPT IN PRINCIPLE.         SuggestedRemedy       Delete the one line of explanatory text in 33.2.5.3, 33.2.5.4 and 33.2.5.8 stating "The PSE state diagrams")       State diagrams", it should read "The Type 1 and Type 2 PSE state diagrams")         SuggestedRemedy       Delete the one line of explanatory text in 33.2.5.3, 33.2.5.4 and 33.2.5.8 stating "The PSE state diagrams")       State diagrams", it should read "The Type 1 and Type 2 PSE state diagrams")         PROPOSED ACCEPT.       Comment Type T       Comment Status D       Editorial         PROPOSED ACCEPT.       Comment Status D       Editorial         Cl 33 SC 33.2.5.3       P55       L 41       259         SuggestedRemedy       Comment Type T       Comment Type 2       Comment Type 2         Cl 33 SC 33.2.5.3       P55       L 41       259         Deliar Christian       STMicroelectronics       SuggestedRemedy         Christan       STMicroelectronics       Su	C/ 33         SC 33.2.5.2         P 55         L 17         # 175           Anslow, Pete         Ciena         Ciena	C/ 33         SC 33.2.5.4         P 55         L 51         # 260           Beia, Christian         STMicroelectronics					
buggestedRemedy         Change 'this Clause' to 'this clause'         'poped Response'       Response Status W         PROPOSED ACCEPT.         '133       SC 33.2.5.3       P55       L40       # [102]         '233       SC 33.2.5.3       P55       L40       # [102]         '233       SC 33.2.5.3       Comment Type A       Commont Type A       Commont Type A       Commont Type A       Type 1 and Type 2 PSE state diagrams use the following variables, which are only relevant to figures 33-13 and 33-14:         Subduses for constants and variables relate ONLY to Type 1 and Type 2 PSEs. It isn't have this in the header, it needy the text, traher than read 'the part in the oralition of explanatory text. (note that 33.2.5.8 reads 'The PSE state diagrams')       Poposed Response Status W         PROPOSED ACCEPT       PS9       L26       # [261]         '33       SC 33.2.5.3       P55       L41       [269]       Comment Type T       Comment Status D       Editorial         '133       SC 33.2.5.3       P55       L41       [269]       Comment Type T       Comment Status D       Editorial         '233       SC 33.2.5.3       P55       L41       [269]       Comment Type T       Comment Status D       Editorial         '233       SC 33.2.5.3       P55       L41       [269]       Editorial	Comment Type E Comment Status D Editorial						
Proposed Response       Response Status W         PROPOSED ACCEPT.         21 3       SC 33.2.5.3       P55       L40       # 102         Channent Type T       Comment Status D       Editorial         Subclauses for constants and variables relate ONLY to Type 1 and Type 2 PSEs. It in the rough to hus have the in the header, in need the tote, rather han read "The PSE state diagrams.use the following variables: which are only relevant to the header, in need the tote, rather han read "The PSE state diagrams.use the following.usin and type 2 PSE state diagrams.", it should read "The Type 1 and Type 2 PSE state diagrams.", it should read "The Type 1 and Type 2 PSE state diagrams.", it should read "The Type 1 and Type 2 PSE state diagrams.", it should read "The Type 1 and Type 2 PSE state diagrams. So the following", it should read "The Type 1 and Type 2 PSE state diagrams. So the reader should be wared.         Delete the one line of explanatory text. in 33.2.5.3.33.2.5.4 and 33.2.5.8 stating "The PSE state diagrams. So the reader should be wared.         State diagrams.use the following" (or similar). same for 33.3.3.2, 33.3.3.3, 33.3.3.6, 33.3.7.3.3.3.3.11, and 33.4.1. and 33.3.12.         Proposed Response Constructions         Proposed Response Status W         PROPOSED ACCEPT.         23       SC 33.2.5.3         P55       L41       259         State diagrams.use the following constants is only one, and it used only in the Type 1 and Type 2 PSE state diagrams use the following timers, which are only relevant to fugures 33.13.3.3.3.3.12.         Suggested/	SuggestedRemedy	in figures 33-13 and 33-14. Variables with the same name but different definition may be					
PROPOSED ACCEPT.	Change "this Clause" to "this clause"	SuggestedRemedy					
C1 33       SC 33.2.5.3       P55       L40       # 102         Cmmeman, George       CME Consulting, Aqua       CME Consulting, Aqua         Comment Type       T       Comment Status D       Editorial         Subclauses for constants and variables relate ONLY to Type 1 and Type 2 PSEs. It isn't enough to just have this in the header, it needs to also be in the text, rather than read "The PSE state diagrams", it should read "The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams"       The Type 1 and Type 2 PSE state diagrams in tigure 33.13 and 33.14.       The Type 1 and Type 2		The PSE state diagrams use the following variables:					
Comment Type T       Comment Status D       Editorial         Subclauses for constants and variables relate ONLY to Type 1 and Type 2 PSEs. It is not enough to just have this in the header, it needs to also be in the text, rather than read "The PSE state diagrams.", it should read "The Type 1 and Type 2 PSE state diagrams.", it should read "The Type 1 and Type 2 PSE state diagrams.")       PROPOSED ACCEPT IN PRINCIPLE.         SuggestedRemedy       Delete the one line of explanatory text in 33.2.5.4 and 33.2.5.8 stating "The PSE state diagrams use the following" (or similar), same for 33.3.3.2, 33.3.3.3, 33.3.3.3, 33.3.3.3, 33.3.3.4, 33.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3		The Type 1 and Type 2 PSE state diagrams use the following variables, which are only					
Subclauses for constants and vanables relate ONLY to Type 1 and Type 2 PSEs. It isn't enough to just have this in the header, it needs to also be in the text, rather than read The PSE state diagrams*, it should read "The Type 1 and Type 2 PSE state diagrams". Alternatively, you can delete the one line of explanatory text in 33.2.5.8 stating "The PSE State diagrams use the following" (or similar), same for 33.3.3.2, 33.3.3.3, 33.3.3.6, 33.3.3.7, 33.3.3.1, and 33.3.12       OBE by 102         Cl 33       SC 33.2.5.5       P 59       L 26       #       261         Delete the one line of explanatory text in 33.2.5.3, 33.2.5.4 and 33.2.5.8 stating "The PSE State diagrams use the following" (or similar), same for 33.3.3.2, 33.3.3.3, 33.3.3.6, 33.3.3.7, 33.3.3.7, 33.3.3.1, and 33.3.12       Delete the sequence in the same name and different definition may be figures 31.3 and 33.4.1. Timers with the same name and different definition may be defined elsewhere for other state diagrams, so the reader should be warned.         Cl 33       SC 33.2.5.3       P 55       L 41       #       259         Proposed Response       Response Status D       Editorial       SuggestedRemedy         Cl 33       SC 33.2.5.3       P 55       L 41       #       259         Somment Type T       Comment Status D       Editorial       SuggestedRemedy         Somment Type T       Comment Status D       Editorial         The Type 1 and Type 2 PSE state diagrams in figure 33-13       Sc state diagrams in figure 33-13       Sc state diagrams in figure 33-13	Comment Type T Comment Status D Editorial						
Type 3 and Type 4 PSE state diagrams") SuggestedRemedy Delete the one line of explanatory text in 33.2.5.3, 33.2.5.4 and 33.2.5.8 stating "The PSE State diagrams use the following" (or similar), same for 33.3.3.2, 33.3.3.8, 33.3.3.7, 33.3.3.11, and 33.3.3.12 Proposed Response Response Status W PROPOSED ACCEPT. Z/ 33 SC 33.2.5.3 P55 L41 # [259] Beia, Christian STMicroelectronics Comment Type T Comment Status D Editorial The Type 1 and Type 2 constants is only one, and it used only in the Type 1 and Type 2 state diagrams use the following constants With: The Type 1 and Type 2 PSE state diagrams use the following constants: Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. PROPOSED ACCEPT IN PRINCIPLE.	enough to just have this in the header, it needs to also be in the text, rather than read "The						
Delete the one line of explanatory text in 33.2.5.3, 33.2.5.4 and 33.2.5.8 stating "The PSE State diagrams use the following" (or similar), same for 33.3.3.2, 33.3.3.3, 33.3.3.6, 33.3.3.7, 33.3.3.1, and 33.3.3.1              Comment Type T comment Status D	Type 3 and Type 4 PSE state diagrams")						
Delete the one of explanatory text in 33.2.5.4, short 33.2.5.4, short 33.2.5.6, stating The PSE State diagrams use the following: (or similar), same for 33.3.3.2, 33.3.3.6, 33.3.3.7, 33.3.3.11, and 33.3.3.12         Proposed Response       Response Status         PROPOSED ACCEPT.       Image: The Ype1 and Type 2 NSE state diagrams use the following constants with:         The Type1 and Type 2 NSE state diagrams use the following constants with:       The Type1 and Type 2 PSE state diagrams use the following constants:         Proposed Response       Response Status       W         PROPOSED ACCEPT.       Comment Status       D         Comment Type T       Comment Status       D       Editorial         The Type1 and Type 2 PSE state diagrams use the following constants with:       The Type1 and Type 2 PSE state diagrams in figure 33-13 uses the following constants:       W         PROPOSED ACCEPT IN PRINCIPLE.       W       PROPOSED ACCEPT IN PRINCIPLE.       OBE by 102		Comment Type T Comment Status D Editoria					
Proposed Response       Response Status       W         PROPOSED ACCEPT.       PROPOSED ACCEPT.         2/ 33       SC 33.2.5.3       P 55       L 41       # 259         Beia, Christian       STMicroelectronics       The Type 1 and Type 2 PSE state diagrams use the following timers, which are only relevant to figures 33-13 and 33-14:         Comment Type       T       Comment Status       D       Editorial         The Type 1 and Type 2 constants is only one, and it used only in the Type 1 and Type 2       State diagram in figure 33-13       W         SuggestedRemedy       Change:       Change:       The Type 1 and Type 2 PSE state diagram in figure 33-13 uses the following constants:       W         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       OBE       by 102	State diagrams use the following" (or similar), same for 33.3.3.2, 33.3.3.3, 33.3.3.6, 33.3.3.7, 33.3.3.11, and 33.3.3.12	The Type1 and Type 2 timers are only relevant to the Type 1 and Type 2 state diagrams in figures 33-13 and 33-14. Timers with the same name and different definition may be					
PROPOSED ACCEPT.         C/ 33       SC 33.2.5.3       P 55       L 41       # 259         Beia, Christian       STMicroelectronics         Comment Type       T       Comment Status       D       Editorial         The Type 1 and Type 2 constants is only one, and it used only in the Type 1 and Type 2       Editorial       Response       Response Status       W         SuggestedRemedy       Change:       The PSE state diagrams use the following constants       OBE by 102         The Type 1 and Type 2 PSE state diagram in figure 33-13 uses the following constants:       Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       PROPOSED ACCEPT IN PRINCIPLE.       OBE by 102	•						
Comment Type T Comment Status D Editorial The Type 1 and Type 2 constants is only one, and it used only in the Type 1 and Type 2 state diagram in figure 33-13 SuggestedRemedy change: The PSE state diagrams use the following constants with: The Type 1 and Type 2 PSE state diagram in figure 33-13 uses the following constants: Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	C/ 33 SC 33.2.5.3 P 55 L 41 # 259	Add after the first paragraph the following sentence: The Type 1 and Type 2 PSE state diagrams use the following timers, which are only					
Comment Type       T       Comment Status       D       Editorial         The Type 1 and Type 2 constants is only one, and it used only in the Type 1 and Type 2       PROPOSED ACCEPT IN PRINCIPLE.         SuggestedRemedy       Change:       OBE by 102         The Type 1 and Type 2 PSE state diagram in figure 33-13 uses the following constants:       PROPOSED ACCEPT IN PRINCIPLE.         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       PROPOSED ACCEPT IN PRINCIPLE.		Proposed Response Response Status W					
state diagram in figure 33-13 OBE by 102 SuggestedRemedy change: The PSE state diagrams use the following constants with: The Type 1 and Type 2 PSE state diagram in figure 33-13 uses the following constants: Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	51 51						
change: The PSE state diagrams use the following constants with: The Type 1 and Type 2 PSE state diagram in figure 33-13 uses the following constants: Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	state diagram in figure 33-13	OBE by 102					
The PSE state diagrams use the following constants with: The Type 1 and Type 2 PSE state diagram in figure 33-13 uses the following constants: Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	SuggestedRemedy						
The Type 1 and Type 2 PSE state diagram in figure 33-13 uses the following constants:  Proposed Response Response Status W  PROPOSED ACCEPT IN PRINCIPLE.	The PSE state diagrams use the following constants						
PROPOSED ACCEPT IN PRINCIPLE.							
PROPOSED ACCEPT IN PRINCIPLE.	Proposed Response Response Status W						
OBE by 102							
	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** 

Cl 33 SC 33 Beia, Christian	3.2.5.6	P 60 STMicroelectr	L <b>4</b> onics	# 262	C/ <b>33</b> Yseboodt		<b>33.2.5.6</b> rt	P <b>61</b> Philips	L <b>3</b>	# 354
	т	Comment Status D	011100	Editoria			т	Comment Status D		Editoria
The Type 1 and diagram in figur	d Type 2 re 33-13.	functions are only relevant to Timers with the same name iagrams, so the reader shou	and different	1 and Type 2 state	"Whe requi	n a Typ rements	e 2 PSE po s of a Type	owers a Type 1 PD, the PSE 1 PSE, but may choose to r IM, TLIM, and PType (see	meet the electric	PI electrical
SuggestedRemedy						Pa	rameter na	mes have changed.		
		33.2.5.6 the following senter			Suggeste			nico nave onangea.		
relevant to figur		PSE state diagrams use the	following fund	ctions, which are only	00		-	owers a Type 1 PD, the PSE	E shall meet the	PI electrical
Proposed Response PROPOSED A	е	Response Status W			requi Type	2 PSE	s of a Type for ICon-2F	1 PSE, but may choose to r , ILIM-2P, TLIM-2P, and PT	meet the electric	al requirements of a
OBE by 102	OOLI II				Proposed PRO		nse ACCEPT.	Response Status W		
C/ 33 SC 33	3.2.5.6	P 60	L <b>43</b>	# 263	CI 33	SC	33.2.5.9	P 64	L <b>41</b>	# 264
Beia, Christian		STMicroelectr	onics		Beia, Chr	istian		STMicroelect	ronics	
Comment Type	E	Comment Status D		Editoria	Commen	t Type	т	Comment Status D		Editoria
SuggestedRemedy	,	ction definition has no inden			in figu	ures 33-	15 through	variables are only relevant to 33-23 Variables with the sa e diagrams, so the reader s	ame name but di	ifferent definition may
Apply the same function	e indentat	tion used for the other function	ons, also for s	et_parameter_type	Suggeste			-		
Proposed Response PROPOSED AC		Response Status W			The	Гуре 3 а		33.2.5.9 the following sente PSE state diagrams use the to 33-23:		bles, which are only
C/ 33 SC 33	3.2.5.6	P 60	L <b>43</b>	# 176	Proposed	l Respo	nse	Response Status W		
Anslow, Pete		Ciena			PRO	POSED	ACCEPT I	N PRINCIPLE.		
51	E n under "s	Comment Status D set_parameter_type" is not c	orrect.	Editoria	OBE	by 102				
SuggestedRemedy Fix indentation										
Proposed Response PROPOSED AG		Response Status W N PRINCIPLE.								
OBE by 263										

OBE by 263

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

					-				
C/ 33 SC 33.2.5 Darshan, Yair	9 <i>P</i> 64 Microsemi	L 41	# 236		<i>CI</i> <b>33</b> Yseboodt,	SC 33.2.5.9 Lennart	P <b>67</b> Philips		# 355
activity or it was add	Comment Status X able that indicates that the MP led due to PSE dv/dt activity. vated, it is up to the PSE if to r n that the PSE has.	•	0		Suggested	ble highest_2P is	Comment Status s not used anymore. est_2P.	D	PSE S
SuggestedRemedy 1. Add the following opt short mps dist					,	Response POSED ACCEPT	Response Status	W	
This optional variab	e is used to tell the PSE syste aged due to PSE dv/dt.	m to decide wha	t action to take if	short	CI <b>33</b> Stover, Da	SC <b>33.2.5.9</b> avid	P <b>67</b> Linear	L 35 Technology	# 498
0: MPS pulse is 33.2.10.1.2. 1: MPSE pulse is 2: MPS pulse wa	not affected by PSE dv/dt. PSE missing due to PSE dv/dt. PSE s added due to PSE dv/dt. PS	SE may maintain E may remove p	power.		Comment "highe Suggested Delete	est_2P" is define #Remedy	Comment Status d but never used.	D	PSE S
2. Opdates for PSE Proposed Response TFTD	SM will be supplied for next m <i>Response Status</i> <b>W</b>	eeung.			Values	able indicating w s	hich of the pairsets ha	Ū	nt.
C/ 33 SC 33.2.5 Darshan, Yair	9 <i>P</i> 66 Microsemi	L <b>5</b>	# 240		sec: th		ative has the highest cu ernative has the highes <i>Response Status</i>	st current.	
	Comment Status X pri' have only options of 1,2,4 for differences. (is it because		e 33-7 says 1,2,3		PROP	OSED ACCEPT	IN PRINCIPLE.		
	page 66 line 15 regarding 'clas	s_num_events_	sec'		C/ 33 Zimmerma	SC <b>33.2.5.9</b> an, George	P 69 CMF (	<i>L</i> <b>30</b> Consulting, Aqua	# 99
SuggestedRemedy Group to clarify.	-				Comment	Туре Е	<i>Comment Status</i> oitalized as in state dia	D	Prences
Proposed Response TFTD	Response Status W				Suggested	Remedy	d to PD_4pair_cand	gram and other rele	
I believe it should in	clude "3" as an option based o	n our 4PID work	right?		Proposed	Response	Response Status	w	
					All oth	er variables beg	inning with "pd" are no	t capitalized. Let's	be consistent.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalPa69Page 28 of 124COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnLi308/31/2016 3:49:35 PMSORT ORDER: Page, Line

CI 33         SC 33.2.5.9         P 69           Schindler, Fred         Seen Sir	L <b>30</b> nply, Broadco	# 288	Cl 33 SC 3 Darshan, Yair	3.2.5.9	P <b>69</b> Microsemi	L <b>54</b>	# 23	34	
Comment Type       TR       Comment Status       D         The variable pd_4pair_cand is described in serare incorrect.       SuggestedRemedy         SuggestedRemedy       Replace " and 4PID." with "PD 4PID, see 33 COMMENT-3.         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       Replace " and 4PID." with " and PD 4PID,	2.6.7.". Related to		Comment Type       TR       Comment Status       D         Dual-signature PDs are missing in the list:       "pd_dll_power_type         A control variable output by the PSE power control state diagram (Figure 33–49 indicates the         Type of PD as advertised through Data Link Layer classification.         Values:         1: PD is a Type 1 PD (default)         2: PD is a Type 2 PD         3: PD is a Type 3 PD         4: PD is a Type 4 PD"         SuggestedRemedy						
CI 33       SC 33.2.5.9       P 69         Schindler, Fred       Seen Sin         Comment Type       TR       Comment Status       D         Variable pd_dll_power_type is not used in PSE in the DLL section and exist on page 181.       SuggestedRemedy         Delete the definition of variable pd_dll_power_         Proposed Response       Response Status       M         PROPOSED ACCEPT.	ype on page 69.	# 287 PSE SD This definition is required	Change to: "pd_dll_power, A control varia indicates the Type of PD as Values: 1: PD is a Typ 2: PD is a Typ 3: PD is a Typ 4: PD is a Typ 5: PD is a Typ 6: PD is a Typ	_type ble outpu advertise e 1 PD (d e 2 PD e 3 PD e 4 PD e 3 dual-s e 4 dual-s se	ignature PD	<b>0</b> (	<sup>-</sup> igure 33–49)	that	

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

CI 33         SC 33.2.5.9         P 70         L 8         # 499           Stover, David         Linear Technology	C/ 33         SC 33.2.5.9         P 72         L 44         # 500           Stover, David         Linear Technology						
Comment Type       E       Comment Status       D       PSE SD         The alt_pri will continue to ping-pong on subsequent detections after the "first" valid detection. The current text implies it will never change again after a valid detection has occurred.       PSE SD         SuggestedRemedy       Change       Change       Comment Status       D	Comment Type       T       Comment Status       X       PSE SL         The class_num_events_pri and _sec to not match the available encodings for the variable definitions.       Legal values for pri/sec are 1,2, 4         SuggestedRemedy						
TRUE: alt_pri alternates between 'a' and 'b' until a first valid detection. to TRUE: alt_pri alternates between 'a' and 'b'. Proposed Response Response Status <b>W</b>	Change Table 33-7 Type 3 row, _pri_sec column to 1,2,4 Proposed Response Response Status W TFTD (See 240)						
PROPOSED ACCEPT.           C/ 33         SC 33.2.5.9         P 70         L 16         # 356           //seboodt, Lennart         Philips	C/ 33SC 33.2.5.9P 72L 48# 357Yseboodt, LennartPhilipsComment TypeEComment TypeComment StatusDEditoria						
Comment Type       T       Comment Status       D       PSE SD         Comment #174/D1.7 changed "power_not_available" to "power_available".       This change was not done for power_not_available_pri & sec.       PSE SD         SuggestedRemedy       We still have "power_not_available_pri" and "_sec".       PSE SD	Format error with Capital letter in class events "Type 1 and Type 2 PSEs shall issue no more Class events than the Class they are capable of supporting. Type 3 and Type 4 PSEs shall issue no more Class events than the Class they are capable of supporting between the most recent time VPSE was at VReset for at least TReset and a transition to POWER_UP."						
Change: - to "power_available_pri" and "_sec" - Reverse False/True meaning in the variable list - Add/remove "!" in the state machine wherever these variables are used Proposed Response Response Status W	SuggestedRemedy "Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. Type 3 and Type 4 PSEs shall issue no more class events than the Class they are capabl of supporting between the most recent time VPSE was at VReset for at least TReset and transition to POWER_UP."						
PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.						

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

C/ 33 SC 33.2.5.9	P72 L4		C/ 33 SC 33.2.5.10 P73 L 2 # 265				
Zimmerman, George	CME Consulting, Aqua	1	Beia, Christian STMicroelectronics				
Comment Type E C	Comment Status D	Editorial	Comment Type T Comment Status D Editorial				
	inconsistently - all other instances e (there are a LOT of these, and t		The Type 3 and Type 4 timers are only relevant to the Type 3 and Type 4 state diagrams in figures 33-15 through 33-23. Timers with the same name and different definition may be defined elsewhere for other state diagrams, so the reader should be warned.				
SuggestedRemedy			SuggestedRemedy				
Replace "Class events" with	h "class events" (2 instances here	e)	Add after the first paragraph the following sentence:				
Proposed Response Response Status W			The Type 3 and Type 4 PSE state diagrams use the following timers, which are only relevant to figures 33-15 to 33-23:				
PROPOSED ACCEPT IN F	RINCIPLE.		Proposed Response Response Status W				
OBE by 357			PROPOSED ACCEPT IN PRINCIPLE.				
C/ 33 SC 33.2.5.9	P72 L5	2 # 198	OBE by 102				
Darshan, Yair	Microsemi		C/ 33 SC 33.2.5.11 P75 L5 # 266				
Comment Type TR C	Comment Status X	PSE SD					
	shall issue no more Class events		Comment Type T Comment Status D Editorial				
capable of supporting between the most recent time VPSE was at VReset for at least TReset and a transition to POWER_UP. For example, this would apply to a PSE that is oversubscribed and in power management mode or a PSE that has a hardware limitation."			The Type 3 and Type 4 functions are only relevant to the Type 3 and Type 4 state diagram in figures 33-15 through 33-20. Timers with the same name and different definition may be defined for other state diagrams, so the reader should be warned.				
Doe's "power management	mode" I believe that this term is r	not defined.	SuggestedRemedy				
SuggestedRemedy			At the beginning of 33.2.5.11 add the following sentence: The Type 3 and Type 4 PSE state diagrams use the following functions, which are only				
00 ,	anagement mode" or define/clarify	/ it.	relevant to figures 33-15 to 33-20:				
·	esponse Status W		Proposed Response Response Status W				
TFTD			PROPOSED ACCEPT IN PRINCIPLE.				
			OBE by 102				

Pa **75** Li **5** 

C/ 33 SC 33.2.5.11	P 75	L <b>7</b>	# 501	C/ 33 SC	33.2.5.11	P 75	L 11	# 503
Stover, David	Linear Techno	ology		Stover, David		Linear Techn	ology	
Comment Type E	Comment Status D		Editorial	Comment Type	т	Comment Status D		PSE SD
There are no function of as such.	lefinitions with _done suffixes	s. Only function	references are treated			is never read by the state m is missing an underscore.	nachine. Also the	mr_pd_autoclass
SuggestedRemedy				SuggestedReme	edy			
	ith "_done" indicate that the f	unction has co	mpleted	Remove pd_autoclas Layer classi		able indicates whether the F	PD requests Auto	class during Physical
to Function references an	pended with "_done" indicate	that the functi	on has completed	nd autoclas	s is set to T	rue when a class signature	if '0' is detected	during the TACS
Proposed Response	Response Status W			window, as		5		
PROPOSED ACCEPT.				33–27, othe	nvico it ic co	at to Falso		
				Values:				
C/ 33 SC 33.2.5.11		L <b>9</b>	# 502			ot request Autoclass.		
Stover, David	Linear Techno	ology		TRUE: The	PD requests	s Autoclass.		
Comment Type E	Comment Status D		Editorial	Change				
"This functions returns.	" There can be only one do	_autoclassifica	tion function.	mr_pd_auto to	class detect	ted:		
SuggestedRemedy				mr_pd_auto	class_detec	ted:		
Change				Proposed Respo	onse	Response Status W		
This functions returns				PROPOSED	D ACCEPT I	N PRINCIPLE.		
to This function returns				Change				
				mr_pd_auto	class detect	ted:		
Proposed Response PROPOSED ACCEPT.	Response Status W			to mr. nd. outo	alaaa dataa	tod.		
PROPOSED ACCEPT.				mr_pd_auto	ciass_detec	aeu.		
				Remove pd_	_autoclass v	variable and its instance in t	he state diagram	(class_ev1_lce).

Pa **75** Li **11** 

C/ 33 SC 33.2.5.11 Yseboodt, Lennart	P <b>75</b> Philips	L 12	# 388	CI 33 SC 33. Yseboodt, Lennart	2.5.11	P <b>75</b> Philips	L 12	# 389
Comment Type E	Comment Status D		Editorial	Comment Type T	R Con	nment Status D		PSE SI
	Frue when a class signature able 33-27, otherwise it is se		during the TACS	T_CLass_ACS. Also refers to wro		refer to T_ACS. Tha	t is the PD param	eter, we need
SuggestedRemedy Change to: "pd_autoclass is set to True when a class signature of '0' is detected during the TACS window, as defined in Table 33-27, otherwise it is set to False."				SuggestedRemedy - Replace T_ACS by T_Class_ACS (2x) - Replace Table 33-27 by Table 33-15				
				Proposed Response	Resp	oonse Status W		
Proposed Response	Response Status W			PROPOSED AC	CEPT IN PRI	NCIPLE.		
PROPOSED ACCEPT I	,			Replace "T_ACS defined in Table :		of mr_pd_autoclass	_detected with "T_	_Class_ACS, as
OBE by 503				CI 33 SC 33.	2.5.11	P 75	L 12	# 504
C/ 33 SC 33.2.5.11	P 75	L 12	# 199	Stover, David	-	Linear Techr	nology	
Darshan, Yair	Microsemi			Comment Type E	Con	nment Status D		Editoria
Comment Type E	Comment Status D		Editorial			f '0' is detected" T	vpo.	
	able indicates whether the F			SuggestedRemedy	0			
	autoclass is set to True whe v, as defined in Table 33–27			Change True when a clas	s signature if	'0' is detected		
The **if** is redundant.					-			
SuggestedRemedy Delete the **if**.				to True when class	signature '0' i	s detected		
Proposed Response	Response Status W			This comment m	ay be OBE by	/ another do_autocla	ssification comme	ent.
PROPOSED ACCEPT I				Proposed Response PROPOSED AC	,	oonse Status W		
OBE by 503								

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

C/ 33         SC 33.2.5.11         P 75         L 41         # 505           Stover, David         Linear Technology         Linear Technology	C/ 33         SC 33.2.5.11         P 77         L 13         # 506           Stover, David         Linear Technology         Linear Technology         Linear Technology			
Comment Type       T       Comment Status       D       PSE SD         do_class_reset should be split into pri and sec versions.       SuggestedRemedy       PSE SD	Comment Type       ER       Comment Status       D       PSE SD         Enumeration of pd_req_pwr_sec is 0-4, should be 1-5 (as pd_req_pwr_pri).         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.	Change enumeration of pd_req_pwr_sec to 1-5. Proposed Response Response Status W PROPOSED ACCEPT.			
to do_class_reset_pri This function produces the classification reset voltage on the Primary Alternative; See	Cl 33         SC 33.2.5.12         P 79         L 10         # 391           Yseboodt, Lennart         Philips			
VReset in Table 33–15. This function does not return any variables. 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.	Comment Type       T       Comment Status       D       PSE SD         In the IDLE state a large number of variables are initialized.       It is better to assign default values in the variable list.       PSE SD         SuggestedRemedy       SuggestedRemedy       SuggestedRemedy       SuggestedRemedy			
Proposed Response Response Status W PROPOSED ACCEPT.	<ul> <li>remove "sig_type &lt;= open_circ" this variable is set by the do_cxn_chk function and does not need to be set</li> <li>remove "det_temp &lt;= both_neither" and set both_neither as the default in the variable list</li> <li>remove "pse_dll_enabled &lt;= FALSE" and set as FALSE as the default in the var list</li> </ul>			
C/ 33         SC 33.2.5.11         P 75         L 41         # 390           Yseboodt, Lennart         Philips	<ul> <li>remove "iclass_lim_det &lt;= FALSE" this is an input to the SD and should not get set by the SD</li> </ul>			
Comment Type TR Comment Status D The do_class_reset function is not used in the state diagram. do_class_reset_pri and _sec are.	Proposed Response Response Status W PROPOSED REJECT.			
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?			
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.				
OBE by 505				

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

Cl 33 SC 33.2.5.12 P79 L 19 # 36	Cl 33 SC 33.2.5.12 P 80 L 18 # 108				
Wendt, Matthias Philips Lighting	Zimmerman, George CME Consulting, Aqua				
Comment Type TR Comment Status D PSE SD	Comment Type TR Comment Status D PSE SE				
State diagram Figure 33–15: Issue #5 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf	missing or misplaced operator on branch from DETECT_EVAL to label B: " (mr_pse_alterantive = both) * (CC_DET_SEQ = 1) * (sig_pri = valid) (det_temp = only_one) *" (note missing "*" after (sig_pri = valid) and extra "*" at end).				
From the IDLE state, the branch into START_CXN_CHK and the branch into START DETECT can be True simultaneously when CC DET SEQ $\models$ 1 and	SuggestedRemedy				
mr_pse_alternative ⊨ 'both'. Going through connection check only makes sense when mr_pse_alternative = 'both'.	Change to "(mr_pse_alterantive = both) * (CC_DET_SEQ = 1) * (sig_pri = valid) * (det_temp = only_one) "				
SuggestedRemedy					
Change to ((CC_DET_SEQ = 0) + (CC_DET_SEQ = 3)) *(mr_pse_alternative = both) *pse_ready *!(pwr_app_pri + pwr_app_sec) *(mr_pse_enable = enable).	Proposed Response Response Status W PROPOSED ACCEPT.				
See yseboodt_02_0716_sdfix_baseline.pdf	Cl 33 SC 33.2.5.12 P 80 L 18 # 109				
Proposed Response Response Status W	Zimmerman, George CME Consulting, Aqua				
PROPOSED ACCEPT.	Comment Type E Comment Status D Editor				
CI 33         SC 33.2.5.12         P 80         L 18         # 33           Picard, Jean         Texas Instruments	typo on branch to A1 "mr_pse_alterantive = both" SuggestedRemedy				
Comment Type         ER         Comment Status         D         Editorial           There is a typo error:         mr_pse_alterantive = both         Editorial         Editorial	change "mr_pse_alterantive" to "mr_pse_alternative" <i>Proposed Response Response Status</i> PROPOSED ACCEPT IN PRINCIPLE.				
SuggestedRemedy	PROPOSED ACCEPT IN PRINCIPLE.				
Replace with this mr_pse_alternative = both	OBE by 33				
Proposed Response Response Status W					
PROPOSED ACCEPT.					

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

Cl 33         SC 33.2.5.12         P 80         L 31         # 37           Wendt, Matthias         Philips Lighting         Philips Lighting         Philips Lighting	C/ 33         SC 33.2.5.12         P 82         L 6         # 392           Yseboodt, Lennart         Philips
Comment Type         TR         Comment Status         D         PSE SD           State diagram Figure 33–15:         Issue #6 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf         PSE SD	Comment Type       TR       Comment Status       X       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.	Proposed Response Response Status W TFTD
SuggestedRemedy Add parenthesis.	I believe we did this because of the global entry into IDLE_PRI and people were worried about getting stuck. This should be fixed in a more proper way.
See yseboodt_02_0716_sdfix_baseline.pdf	Cl 33 SC 33.2.5.12 P 82 L 10 # 238
Proposed Response Response Status W	Darshan, Yair Microsemi
PROPOSED ACCEPT.	Comment Type TR Comment Status X PSE SL
Cl 33     SC 33.2.5.12     P 81     L 5     # 34       Wendt, Matthias     Philips Lighting       Comment Type     TR     Comment Status     D     PSE SD	In the exit from IDLE_PRI to START_DETECT_PRI it looks like the state machine will not progress if pwr_app_sec=0 since the exit is valid if !pwr_app_pri*pwr_app_sec. If the PD is dual-sig that accept power over 4-pairs then we should get to START_DETECT_PRI even if pwr_app_sec=0
Comment Type TR Comment Status D PSE SD State diagram Figure 33–15:	SuggestedRemedy
Issue #1 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf	<ol> <li>Group to explain the intent.</li> <li>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."</li> </ol>
From CLASS_EVAL to POWER_UP the condition is "pd_req_pwr < pse_avail_pwr" which	Proposed Response Response Status W
has the effect that if the PSE has Class 1 available and the PD requests Class 1 the PSE will hang in CLASS_EVAL. The same applies to Class 2.	TFTD (authors of SD to comment).
SuggestedRemedy	
Changing it to "pd_req_pwr pse_avail_pwr" fixes the issue. See yseboodt_02_0716_sdfix_baseline.pdf	
Proposed Response Response Status W	
PROPOSED ACCEPT.	

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

Cl 33         SC 33.2.5.12         P 83         L 5         # 212           Darshan, Yair         Microsemi	C/ 33         SC 33.2.5.11         P 83         L 6         #         26           Picard, Jean         Texas Instruments         Texas Instruments </th				
Comment Type T Comment Status X PSE SD In figure 33-16 Typo in paranthesis in two locations in CLASS_EVAL_PRI state. SuggestedRemedy Change from; IF (pd_cls_4PID_pri * (sig_pri = valid) * (sig_sec = valid + pwr_app_sec)) THEN To: IF (pd_cls_4PID_pri * (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec) THEN Proposed Response Response Status W TFTD Which is correct? Moving the paranthesis actually changes the logic	Comment Type       TR       Comment Status X       PSE         Using 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" Replace "PD_4pair_cand_pri <= FALSE" with "PD_4pair_cand <= FALSE"				
See 25           C/ 33         SC 33.2.5.11         P 83         L 5         # 25           Picard, Jean         Texas Instruments	See 27         P 84         L 6         # 393           C/ 33         SC 33.2.5.12         P 84         L 6         # 393           Yseboodt, Lennart         Philips				
Comment Type TR Comment Status D 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)) SuggestedRemedy Replace with this: IF (pd_cls_4PID_pri * (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec) Proposed Response Response Status W TFTD	Comment Type       TR       Comment Status       X       PSE SL         IDLE_SEC sets iclass_lim_det_sec when this should be an input to the SD.       SuggestedRemedy         Remove "iclass_lim_det_sec <= FALSE" from the state IDLE_SEC				
See 212					

Pa **84** Li **6** 

C/ 33         SC 33.2.5.12         P 84         L 9         # 230           Darshan, Yair         Microsemi	CI 33         SC 33.2.5.12         P 86         L 4         # 35           Wendt, Matthias         Philips Lighting
Comment Type TR Comment Status X PSE SD	Comment Type TR Comment Status D PSE S
In the exit from IDLE_SEC to START_DETECT_SEC it looks like the state machine will not progress if pwr_app_pri=0 since the exit is valid if !pwr_app_sec*pwr_app_pri. If the PD is dual-sig that accept power over 4-pairs then we should get to START_DETECT_SEC even if pwr_app_pri=0	State diagram Figure 33–15: Issues #2-4 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf
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."	From CLASS_EV1_LCE the exits to MARK_EV1 and MARK_EV_LAST forget to check the variable pse_avail_pwr. Currently the SD would allocate more power than is available. Same in the state CLASS_EV2. Same in the state CLASS_EV4.
Proposed Response Response Status W	SuggestedRemedy
TFTD (authors of SD to comment)	Changing it to check the variable pse_avail_pwr fixes the issues.
CI 33SC 33.2.5.11P 85L 6# 27Picard, JeanTexas InstrumentsComment TypeTRComment Status XPSE SD	See yseboodt_02_0716_sdfix_baseline.pdf <i>Proposed Response Response Status</i> PROPOSED ACCEPT.
Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD. SuggestedRemedy	C/ 33         SC 33.2.5.12         P 86         L 6         # 38           Wendt, Matthias         Philips Lighting
Replace "PD_4pair_cand_sec <= TRUE" with "PD_4pair_cand <= TRUE" Replace "PD_4pair_cand_sec <= FALSE" with "PD_4pair_cand <= FALSE" Proposed Response Response Status W TFTD See 26	Comment Type       TR       Comment Status       D       PSE Supervised in the status         State diagram Figure 33–15:       Issue #7 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf       PSE Supervised in the status       PSE Supervised in the status         The SD still uses 'tacs_timer' which has been renamed to 'tclassacs_timer'.       PSE Supervised in the status       PSE Supervised in the status
C/ 33 SC 33.2.5.12 P 86 L 4 # 32	SuggestedRemedy
Picard, Jean Texas Instruments	Change to 'tclassacs_timer'.
Comment Type TR Comment Status X Pres: Picard1 The situation of class fault (overcurrent) is not in the class state diagram for single and dual signature.	See yseboodt_02_0716_sdfix_baseline.pdf <i>Proposed Response Response Status</i> PROPOSED ACCEPT.
SuggestedRemedy Update the SD with class faults. See presentation TBD on this subject.	
Proposed Response Response Status W TFTD	
WFP	

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 **86** Li **6** 

C/ 33         SC 33.2.5.12         P 86         L 22         #           Darshan, Yair         Microsemi		C/ 33 San	SC 33.2.5.12	P 87 Microse	L <b>11</b> mi	# 223
Comment Type TR Comment Status X The PSE state machine part for single signature when it needs to know class issuing 3 finger and then doing class reset due to lake of sufficient power in v to generate only one finger etc. This is covered by the text but not in the state machine. SuggestedRemedy	s code by vhich it need	It is class <u>.</u> SuggestedRe	-19. typo in the e _4PID_mult_e <i>medy</i>	Comment Status D exit from CLASS_EV1_L events_pri and not cls_4	CE_PRI to MARK	
Add the missing state machine part in darshan_08_0916.pdf. Proposed Response Response Status W		To:	_mult_events_			
TFTD WFP		Proposed Res	D_mult_even sponse ED ACCEPT	Response Status V	v	
C/ 33         SC 33.2.5.12         P 86         L 25         #           Darshan, Yair         Microsemi		CI 33 Yseboodt, Ler	SC <b>33.2.5.12</b> mart	P <b>87</b> Philips	L <b>40</b>	# 394
Comment Type TR Comment Status D See darshan_01_0916.pdf for reference. The exit from CLASS_EV3 to MARK_EV3.	PSE SD		Il-signature cl	Comment Status D ass diagram, the state v LCE_RESET_PRI". Thi	which does the first	
Missing "(" in "PSE_avail_power=5)". SuggestedRemedy Change from: tcle3_timer_done * ((mr_pd_class_detected NE 4) * ( (mr_pd_class_detected read purel war 5) ))		Proposed Res	he state to "C	Response Status V		S_EV1_LCE_4PID_PRI".
pse_avail_pwr>5) )) To: tcle3_timer_done * ((mr_pd_class_detected NE 4) * ( (mr_pd_class_detected (pse_avail_pwr>5) ))	d=0) +	Cl <b>33</b> Darshan, Yair Comment Typ		P 88 Microse Comment Status		# 224 PSE SD
Proposed Response Response Status W PROPOSED ACCEPT.		Figure 33 There is a	-20. 1 typo in the e	exit from CLASS_EV1_L events_sec and not cls_	CE_SEC to MAR	
			•	D_mult_events_sec events_sec		
		Proposed Res	soonse	Response Status V	v	

Pa **88** Li **10** 

C/ 33 SC 33.2.5.12 Yseboodt, Lennart	2 P 88 Philips	L <b>40</b>	# 395	C/ <b>33</b> SC : Yseboodt, Lennart	33.2.5.12	P <b>90</b> Philips	L 1	# 396
Comment Type E	Comment Status D		PSE SD	Comment Type		nment Status D		PSE SD
In the dual-signature c	class diagram, the state which LCE_RESET_SEC". This is		vent after a reset is	Comment #12 careless Edito	2 against D1.7 v r.	vas accepted and co even better remedy		
Rename the state to " "CLASS_EV1_LCE_4" Proposed Response	CLASS_EV1_LCE_RESET_S PID_SEC". Response Status W	SEC" to		The arc from I	POWER_UP to F	OWER_ON contain	s "tinrushtimer_p	g undefined behaviour. pri_done * pwr_app_pri". where the timer gets
PROPOSED ACCEPT	•				opped timer is no			
			<u>.</u>	SuggestedRemed	V			
C/ <b>33</b> SC <b>33.2.5.1</b> Darshan, Yair	2 P 88 Microsemi	L <b>46</b>	# 226			OR_INRUSH_PRI to OR_INRUSH_SEC t		
Comment Type <b>T</b> This is SEC ALTERNA SuggestedRemedy	Comment Status D ATIVE state machine so the e	exits marked "I" s	PSE SD hould be "K".	through IDLE. This in turn gu	arantees that the	ER_UP, the only wa e global arc into IDLE annoying oscillation o	E_INRUSH_PRI	
Change from "I" to "K"				Proposed Respon	se Resp	onse Status W		
Proposed Response PROPOSED ACCEPT	Response Status W			PROPOSED /	ACCEPT.			
				Cl 33 SC : Wendt, Matthias	33.2.5.12	P <b>90</b> Philips Lighti	L <b>4</b> ng	# 39
			Comment Type         TR         Comment Status         D         PSE           State diagram Figure 33–15:         Issue #7 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf         PSE					
				Resolution to	Stovers commer	nt #122 against D1.7	has not been im	plemented
				SuggestedRemed		122 against D1.7'.		
				See also yseb	oodt_02_0716_s	sdfix_baseline.pdf		
				Proposed Respon PROPOSED /	se <i>Resp</i> ACCEPT IN PRII	onse Status W		
				OBE by 396				

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

C/ 33 SC 33.2.6	P90 L18	# 267	CI 33 S	C 33.2.6	P 9	D L 29	# 110	
Beia, Christian ST	Microelectronics		Zimmerman, G	eorge	CME	Consulting, Aqua		
Comment Type T Comment Stat	tus <b>D</b>	PSE Detection	Comment Type	т	Comment Status	х	PSE SE	
The first shall of 33.2.6 has an exception text not very clear. It seems to leave the never detecting the second pairset. This detected at least once, before first powe SuggestedRemedy Replace the following sentence in 33.2.6 In any operational state, the PSE shall n has successfully detected a valid signatu 33.2.8.1 regarding transitions between 2	possibility to transition from is misleading, because ear r on. S: ot apply operating power to ure over that pairset, except	n 2-pair to 4-pair power ich pairset needs to be o a pairset until the PSE	"A Type 3 or Type 4 PSE detecting an invalid PD signature on either alternative may perform detection on the other alternative, and if valid may perform classification on that pairset." seems inconsistent with page 80 33.2.5.12 branches out of DETECT_EVAL. Looking at the machine on this, at the top level, it seems that in this case, if the second alternative is valid, classification SHALL BE performed – it isn't an option. If the first detection has happened, then det_temp=both_neither, and one of sig_pri / sig_sec is valid, while the other is invalid. Looking at figure 33-15, page 80, it seems the only path where mr_pse_alternative = both at least one of the sig's is valid, and det_temp = both_neither leads to A1, classification being performed. If the text is the desired behavior, the state diagram may need to be altered to be consistent.					
with:			SuggestedRem	nedy				
In any operational state, the PSE shall n has successfully detected a valid signatu relevant for transitions between 2-pairs a conditions specified in 33.2.8.1	ure over that pairset. This r	equirement is not	state diagra circumstan Proposed Resp	am branch th ces going to	ay perform" to "and if nat leads from DETE classification is option <i>Response Status</i>	CT_EVAL to A1 to sh onal.	Alternatively, modify the low under what	
Proposed Response Response Stat	us W		TFTD					
PROPOSED ACCEPT IN PRINCIPLE. However, your suggested text does not r		my opinion). Does	classificatio		ne exception that requ		time and thus not do I believe is correct)?	
anyone else have better text?			CI 33 S	C 33.2.6.1	P 9	D L 36	# 507	
TFTD			Stover, David		Linea	Technology		
			Comment Type	т	Comment Status	D	Connection Check	
			"During connection check, the PSE shall determine if both pairsets are connected to a single-signature PD or if the pairsets are connected to a dual-signature PD."					
			This descri	ption is inco	rrect.			
			SuggestedRem	nedy				
			•		ck, the PSE shall dete if the pairsets are cor			
			to During connection check, the PSE shall determine if both pairsets are invalid, connected to a single-signature PD or if a per-pairset detection is required to further investigate the link segment.					
			Proposed Resp PROPOSE	oonse D ACCEPT	Response Status	w		
YPE: TR/technical required ER/editorial re-			, .			Pa 90	Page 41 of 124	

Darshan, Yair	P <b>91</b> Microsemi	L 11	# 194	Cl 33 SC 33.2.6.7 Schindler, Fred	P <b>94</b> Seen Simply,	<i>L</i> <b>28</b> , Broadco	# 291
Comment Type TR Table 33-8, Tcc min.	Comment Status D		Connection Check	Comment Type TR The variable pd_4pair	Comment Status <b>D</b> _cand is not used in the Type	3,4 PSE state o	4PIL diagram. It is only
In page 90 lines 38-40 into consideration the is	from PSE state machine and we have a note to explain tha ssue of simultaneous pin con d should be removed complete	t PSE implementanection but yet the	e Tcc minimum is	not apply. The text is signature PDs. It is no	PSE diagrams in Figures 33 also incomplete for cases c) a clear whether this section is en pd_4pair_cand is TRUE.	and d), which also	o only apply to single-
SuggestedRemedy				SuggestedRemedy			
Remove Tcc min line fr	om Table 33-8.				's Note: readers are encoura		
Proposed Response PROPOSED ACCEPT.	Response Status W			to other comments ma	tate diagrams in Figures 33- rked COMMENT-3. This com stable solution is provided to a	nment should not	be considered
C/ 33 SC 33.2.6.1	P 91	L 16	# 397	Proposed Response	Response Status W		
Yseboodt, Lennart	Philips	210	# 391	PROPOSED REJECT			
Comment Type E	Comment Status D		PSE SD	I don't understand why signature PDs.	you say that cases c and d a	are incomplete an	d only apply to single-
"The connection check requirements in both Ta	ot clear, the SD is either in th is rerun before applying powe able 33-8 and 33.2.8.13, powe e state diagram reaches the II	er if power up fails er is absent on bo	to meet the timing	This section clears sta	tes when pd_4pair_cand can	be true.	
SuggestedRemedy					Det	1.00	# 000
Change to: "The connection check	is rerun before applying powe			C/ 33 SC 33.2.6.7 Schindler, Fred	P <b>94</b> Seen Simply,	<i>L</i> <b>28</b> , Broadco	# 290
				Comment Type TR	Comment Status X		4P10
requirements in both Ta	e state diagram is in the IDLE	state."					=
requirements in both Ta	e state diagram is in the IDLE Response Status W	state."		and 33-17 may do this and xxx_pri and xxx_s	at establishes PD_4pair_car as well, but they do not matc ec. The single-signature state ing in the state diagrams esta	ch. These diagrai	grams Figures 33-16, ms do use the variable 33-15 does not use
requirements in both Ta simultaneously, or if the Proposed Response PROPOSED ACCEPT. Cl 33 SC 33.2.6.4	e state diagram is in the IDLE Response Status W P <b>93</b>	state."	# 398	and 33-17 may do this and xxx_pri and xxx_s PD_4pair_cand. Noth	as well, but they do not mate	ch. These diagrai	grams Figures 33-16, ms do use the variable 33-15 does not use
requirements in both Ta simultaneously, or if the Proposed Response PROPOSED ACCEPT. Cl 33 SC 33.2.6.4	e state diagram is in the IDLE Response Status W		# 398	and 33-17 may do this and xxx_pri and xxx_s PD_4pair_cand. Noth SuggestedRemedy	as well, but they do not mate	ch. These diagrai e diagram Figure ablishes pd_4pair	grams Figures 33-16, ms do use the variable 33-15 does not use
requirements in both Ta simultaneously, or if the Proposed Response PROPOSED ACCEPT. Cl 33 SC 33.2.6.4 Yseboodt, Lennart Comment Type E	e state diagram is in the IDLE Response Status W P 93 Philips Comment Status D	L 31	Editorial	and 33-17 may do this and xxx_pri and xxx_s PD_4pair_cand. Noth SuggestedRemedy	as well, but they do not mate ec. The single-signature state ing in the state diagrams esta	ch. These diagrai e diagram Figure ablishes pd_4pair	grams Figures 33-16, ms do use the variable 33-15 does not use
requirements in both Ta simultaneously, or if the Proposed Response PROPOSED ACCEPT. Cl 33 SC 33.2.6.4 Yseboodt, Lennart Comment Type E Table 33-10 caption "Va	e state diagram is in the IDLE <i>Response Status</i> <b>W</b> <i>P</i> <b>93</b> Philips	L 31	Editorial	and 33-17 may do this and xxx_pri and xxx_s PD_4pair_cand. Noth <i>SuggestedRemedy</i> See related comment	as well, but they do not matc ec. The single-signature state ng in the state diagrams esta marked COMMENT-3 for a se	ch. These diagrai e diagram Figure ablishes pd_4pair	grams Figures 33-16, ms do use the variable 33-15 does not use
requirements in both Ta simultaneously, or if the Proposed Response PROPOSED ACCEPT. Cl 33 SC 33.2.6.4 Yseboodt, Lennart Comment Type E Table 33-10 caption "Va explain that is about the SuggestedRemedy	e state diagram is in the IDLE <i>Response Status</i> <b>W</b> <i>P</i> 93 Philips <i>Comment Status</i> <b>D</b> alid PD detection signature el	L 31 lectrical characteri	Editorial	and 33-17 may do this and xxx_pri and xxx_s PD_4pair_cand. Noth SuggestedRemedy See related comment Proposed Response TFTD	as well, but they do not matc ec. The single-signature state ng in the state diagrams esta marked COMMENT-3 for a se	ch. These diagrai e diagram Figure : ablishes pd_4pair olution.	grams Figures 33-16, ms do use the variable 33-15 does not use

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 **94** Li **28**  Page 42 of 124 8/31/2016 3:49:35 PM

CI 33         SC 33.2.6.7         P 94         L 33         #           Schindler, Fred         Seen Simply, Broadco		CI 33 SC : Yseboodt, Lennart	<b>33.2.7</b> t	P <b>95</b> Philips	L <b>27</b>	# 400
Comment Type ER Comment Status D		Comment Type	TR	Comment Status D		PSE Class
Links in this section are not working and some identifiers can be improved. SuggestedRemedy	an found and	"The minimum	n power ou	but the minimum support tput by the PSE for a par ng power in 2-pair mode,	ticular PD Class, v	
Link 79.3.2 should reference 79.3.2.6b.2 for PD 4PID. Fix links so that they a	re functional. S	SuggestedRemed	'y			
Proposed Response Response Status W PROPOSED ACCEPT.				wer a PSE supports for a supplying power in 2-pair		
C/ 33         SC 33.2.6.7         P 94         L 33         #           Zimmerman, George         CME Consulting, Aqua	100 F	Proposed Respon	se	Response Status W		
Comment Type E Comment Status D 33.2.6.1 not an active cross references			33.2.7	P <b>95</b> Philips	L <b>42</b>	# 401
SuggestedRemedy		,		•		
make 33.2.6.1 an active cross reference	Ĺ	Comment Type	TR	Comment Status D	ted nower	PSE Class
Proposed Response Response Status W PROPOSED ACCEPT.		"The minimum	n output po	but the minimum support wer on a pairset for Type by Equation (33-3)."		Es connected to a dual-
	S	SuggestedRemed	'y			
C/ 33         SC 33.2.6.7         P 94         L 34         #           Yseboodt, Lennart         Philips	399			wer a PSE supports on a		3 and Type 4 PSEs
Comment Type E Comment Status D	Editorial		-	ature PD is defined by E	quation (33-3)."	
"It shall be stored in the variable PD_4pair_cand, defined in 33.2.5.9.		Proposed Respon		Response Status W		
PD_4pair_cand shall have a default value of 'FALSE', but may be set to 'TRU has detected a valid detection signature on both pairsets and one or more of		PROPOSED /				
PD_4pair_cand shall have a default value of 'FALSE', but may be set to 'TRU has detected a valid detection signature on both pairsets and one or more of conditions are met:"	the following		33.2.7	P 96	L <b>3</b>	# 402
has detected a valid detection signature on both pairsets and one or more of conditions are met:"	the following		33.2.7	P <b>96</b> Philips	L <b>3</b>	# 402
has detected a valid detection signature on both pairsets and one or more of conditions are met:" Mis-capitalization of PD_4pair_cand	the following C Y	CI 33 SC :	33.2.7		L <b>3</b>	# 402 Editoria
has detected a valid detection signature on both pairsets and one or more of conditions are met:" Mis-capitalization of PD_4pair_cand SuggestedRemedy	the following C Y	Cl 33 SC : Yseboodt, Lennart	33.2.7 t E	Philips Comment Status D	L <b>3</b>	
has detected a valid detection signature on both pairsets and one or more of conditions are met:" Mis-capitalization of PD_4pair_cand SuggestedRemedy Replace (2x) by pd_4pair_cand Proposed Response Response Status W	the following C Y	Cl <b>33</b> SC : Yseboodt, Lennart Comment Type Autoclass is n	33.2.7 t E ot in Anne	Philips Comment Status D		Editoria
has detected a valid detection signature on both pairsets and one or more of conditions are met:" Mis-capitalization of PD_4pair_cand SuggestedRemedy Replace (2x) by pd_4pair_cand	the following _ C Y	Cl 33 SC : Yseboodt, Lennart Comment Type Autoclass is n "If the PD con	<b>33.2.7</b> t E ot in Anne nected to t	Philips Comment Status D x 33C		Editoria
has detected a valid detection signature on both pairsets and one or more of conditions are met:" Mis-capitalization of PD_4pair_cand SuggestedRemedy Replace (2x) by pd_4pair_cand Proposed Response Response Status W	the following _ C Y	Cl 33 SC : Yseboodt, Lennart Comment Type Autoclass is n "If the PD con 33C)," SuggestedRemed Change to:	33.2.7 t E nected to f	Philips Comment Status D x 33C	ass (see 33.2.7.3,	Editoria
has detected a valid detection signature on both pairsets and one or more of conditions are met:" Mis-capitalization of PD_4pair_cand SuggestedRemedy Replace (2x) by pd_4pair_cand Proposed Response Response Status W	the following C Y C	Cl 33 SC : Yseboodt, Lennart Comment Type Autoclass is n "If the PD con 33C)," SuggestedRemed Change to:	33.2.7 E not in Anne nected to f	Philips Comment Status D x 33C he PSE performs Autocla	ass (see 33.2.7.3,	Editoria

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 **3** 

CI 33 SC 33.2.7	P 96	L <b>4</b>	# 403	CI 33 SC 33.2.7	P 96	L <b>34</b>	# 405
Yseboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type T	Comment Status D		PSE Class	Comment Type E	Comment Status D		Editoria
	er but the minimum supported ts minimum power output bas		SS,"	"This is the minimum	rong, should be Equation (33 required power at the PSE P	I calculated using	
SuggestedRemedy				2P and maximum Rc Rchan."	han. Use Equation (33-3) for	other values of V	Port_PSE-2P and
Change to: ", the PSE may set i	ts minimum supported output	power based or	PAutoclass,"	SuggestedRemedy			
Proposed Response	Response Status W			Change to: "This is the minimum	required power at the PSE P	l calculated using	
PROPOSED ACCEPT	Г.				han. Use Equation (33-2) for		
C/ 33 SC 33.2.7	P <b>96</b>	L <b>31</b>	# 404	Proposed Response	Response Status W		
Yseboodt, Lennart	Philips			PROPOSED ACCEP	,		
Comment Type E	Comment Status D		Editorial				
	s is in text on line 41 already r ver classification takes preced		cal Layer classification."	C/ 33 SC 33.2.7 Bennett, Ken	P <b>96</b> Sifos Techn	L <b>34</b> ologies, In	# 45
SuggestedRemedy				Comment Type E	Comment Status D		Editorial
Remove NOTE under	Table 33-12			Footpote 1 for DClose	in Table 00.40 materia to an		
	Table 33 12.					uation 33-3. It sh	ould be equation 33-2.
Proposed Response	Response Status W			(33-3 is PClass-2P, a		uation 33-3. It sh	ould be equation 33-2.
Proposed Response PROPOSED ACCEPT	Response Status W			(33-3 is PClass-2P, a SuggestedRemedy	nd 33-2 is PClass.)	uation 33-3. It sh	ould be equation 33-2.
PROPOSED ACCEPT	Response Status W	/ 34	# 406	(33-3 is PClass-2P, a	nd 33-2 is PClass.)	uation 33-3. It sh	ould be equation 33-2.
PROPOSED ACCEPT C/ 33 SC 33.2.7	Response Status W	L 34	# 406	(33-3 is PClass-2P, a SuggestedRemedy	nd 33-2 is PClass.)	uation 33-3. It sh	ould be equation 33-2.
C/ 33 SC 33.2.7 Yseboodt, Lennart	Response Status W T. P 96 Philips	L 34		(33-3 is PClass-2P, a <i>SuggestedRemedy</i> Change Equation (33	nd 33-2 is PClass.)	uation 33-3. It sh	ould be equation 33-2.
PROPOSED ACCEPT Cl 33 SC 33.2.7 Yseboodt, Lennart Comment Type E Maximum power availa	Response Status W P 96 Philips Comment Status D able is probably Pclass_PD, t	his is in Table 33	Editorial	(33-3 is PClass-2P, a <i>SuggestedRemedy</i> Change Equation (33 Equation (33-2)	nd 33-2 is PClass.) -3) on line 34 to: <i>Response Status</i> W	uation 33-3. It sh	ould be equation 33-2.
PROPOSED ACCEPT Cl 33 SC 33.2.7 Yseboodt, Lennart Comment Type E Maximum power availa "For maximum power	Response Status W P 96 Philips Comment Status D	his is in Table 33	Editorial	(33-3 is PClass-2P, a <i>SuggestedRemedy</i> Change Equation (33 Equation (33-2) <i>Proposed Response</i>	nd 33-2 is PClass.) -3) on line 34 to: <i>Response Status</i> W	uation 33-3. It sh	ould be equation 33-2.
PROPOSED ACCEPT Cl 33 SC 33.2.7 Yseboodt, Lennart Comment Type E Maximum power avails "For maximum power SuggestedRemedy Change to:	Response Status W P 96 Philips Comment Status D able is probably Pclass_PD, t available to PDs, see Table 3	his is in Table 33 3-28."	Editorial 3-24 and 33-25	(33-3 is PClass-2P, a SuggestedRemedy Change Equation (33 Equation (33-2) Proposed Response PROPOSED ACCEP	nd 33-2 is PClass.) -3) on line 34 to: <i>Response Status</i> W	uation 33-3. It sh	ould be equation 33-2.
PROPOSED ACCEPT Cl 33 SC 33.2.7 Yseboodt, Lennart Comment Type E Maximum power availa "For maximum power SuggestedRemedy Change to: "For maximum power	Response Status W F. P96 Philips Comment Status D able is probably Pclass_PD, t available to PDs, see Table 3 available to PDs, see Table 3	his is in Table 33 3-28."	Editorial 3-24 and 33-25	(33-3 is PClass-2P, a SuggestedRemedy Change Equation (33 Equation (33-2) Proposed Response PROPOSED ACCEP	nd 33-2 is PClass.) -3) on line 34 to: <i>Response Status</i> W	uation 33-3. It sh	ould be equation 33-2.
PROPOSED ACCEPT Cl 33 SC 33.2.7 Yseboodt, Lennart Comment Type E Maximum power availa "For maximum power SuggestedRemedy Change to:	Response Status W T. P 96 Philips Comment Status D able is probably Pclass_PD, t available to PDs, see Table 3 available to PDs, see Table 3 Response Status W	his is in Table 33 3-28."	Editorial 3-24 and 33-25	(33-3 is PClass-2P, a SuggestedRemedy Change Equation (33 Equation (33-2) Proposed Response PROPOSED ACCEP	nd 33-2 is PClass.) -3) on line 34 to: <i>Response Status</i> W	uation 33-3. It sh	ould be equation 33-2.

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

Cl 33 SC 33.2.7 Yseboodt, Lennart	P <b>96</b> Philips	L <b>43</b>	# 407	C/ <b>33</b> Bennett, K	SC 33.2.7	P <b>97</b> Sifos Techno	L <b>5</b>	# 46
	·			,			logics, m	
Comment Type TR	Comment Status X		Pres: Yseboodt5	Comment	51	Comment Status D		PSE Class
depending on the As	3 and Type 4 devices have a l ssigned Class. lass is set up during Physical L	•			33-13 needs a Class) footnote	footnote for (PClass-2P) in the in table 33-12.	e heading of the	last column, similar to
Using DLL the PD a	nd PSE are able to change the	allocated power				I in equation 33-3. If there's near the second structure of the second	o note referenci	ng that equation, the
the assigned Class	follows' the PSEAllocatedPowe	er variable.		Suggested	lRemedy			
SuggestedRemedy				Add a	footnote to PC	ass-2P in table 33-13, which s	states:	
Adopt yseboodt_05_	_0916_dllclasschange.pdf							
Proposed Response TFTD	Response Status W			VPort_		required power per pairset at the naximum Rchan. Use Equation		
WFP				Proposed PROP	Response OSED ACCEP	Response Status W		
C/ 33 SC 33.2.7	P 96	L <b>46</b>	# 408	0/ 00		D		
Yseboodt, Lennart	Philips			C/ 33	SC 33.2.7	P 97	L 18	# 409
Comment Type E	Comment Status D		Editorial	Yseboodt,	Lennart	Philips		
Wordy.				Comment	Туре Е	Comment Status D		Editorial
"Valid classification SuggestedRemedy	results are Classes 0 up to and	d including 4, as	listed in Table 33-12."			this is in text on line 41 already yer classification takes preced		sical Layer classification."
Change to:				Suggested	lRemedv			
	results are Classes 0 to 4, as I	isted in Table 33	-12."	00		ler Table 33-13.		
Proposed Response	Response Status W			Proposed	Response	Boononoo Statua M		
PROPOSED ACCEI	•				OSED ACCEP	Response Status W T.		

Pa **97** Li **18** 

C/ 33 SC 33.2.7		L <b>20</b>	# 292	Cl 33	SC 33.2.7.2	P 98	L <b>53</b>	# 410
Schindler, Fred	Seen Simply,			Yseboodt,		Philips		
power two 100-BAS two legacy Type-2 F invalid class signati	Comment Status X ablished that legacy Types are u BE-TX connections. The Type 3 a PSEs on its PI is ambiguous. A ure (4-4-4). A Type 3 or 4 PSE o o legacy Type-2 PDs are discove	and 4 PSE beha dual-signature I only has one da	vior when it encounters PD will be seen with an a connection.	"The r MAR MAR comm	entence can be sh nark event states, (_EV2_PRI, MARI (_EV4, MARK_EV	Comment Status D ortened because it describ MARK_EV1, MARK_EV1_ <_EV2_SEC, MARK_EV3, _LAST, MARK_EV_LAST_ or pairset voltage falls belo min."	PRI, MARK_EV MARK_EV3_PR PRI and MARK	1_SEC, MARK_EV2, XI, MARK_EV3_SEC, _EV_LAST_SEC
discover a dual-sigr	add "Note 3It is recommended hature PD that provides the sam e PSE Primary Alternative while Response Status W	e class for three	or more events be	below Proposed PROF	e mark event state VClass min and e Response POSED ACCEPT I	es (MARK_EV_) commence nd when the PI voltage exe <i>Response Status</i> <b>W</b> N PRINCIPLE. en the pairset voltage falls	ceeds VClass mi	
	7.1 <i>P</i> 97	L 46	# 173	TFTD				
Anslow, Pete	Ciena			C/ 33	SC 33.2.7.2	P 99	L 34	# 411
Comment Type E Table 33-14 is refer (after Table 33-15). SuggestedRemedy	Comment Status D renced on page 97 line 46, but th	e table does no	<i>Editorial</i> t apper until page 101	Yseboodt, <i>Comment</i> There	Type E	Philips Comment Status D Inneeded references in Tat	ble 33-15.	Editoria
Move Table 33-14 r	nearer to 33.2.7.1.			Suggestee	lRemedy			
Proposed Response PROPOSED ACCE Editor to try to get F	Response Status W PT IN PRINCIPLE.			- Item - Item - Item		onal information.		
CI 33 SC 33.2.7	7.2 P 98	L 29	# 40	Proposed	Response	Response Status W		
Wendt, Matthias	Philips Lightir	-	" +0	PROF	OSED ACCEPT I	N PRINCIPLE.		
Comment Type T	Comment Status D	0	Autoclass	- Item	11 remove Additio	onal information.		
If during autoclass a	a PD changes its class signature ndefined as already pinpointed i				12 remove Addition 14 remove Addition			
It would be benefici	al to define this for future use.							
SuggestedRemedy								
adopt yseboodt_03	_0716_class							
Proposed Response PROPOSED ACCE	Response Status W							
TYPE: TR/technical reg	uired ER/editorial required GR/	aeneral require	d T/technical E/editorial G/c	eneral		Pa g	9	Page 46 of 124

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 **99** Li **34** 

C/ 33 SC 33.2.7.2 Anslow, Pete	<i>P</i> <b>100</b> Ciena	L 1	# 177	C/ 33         SC 33.2.7.3.5         P 100         L 42         # 206           Darshan, Yair         Microsemi
SuggestedRemedy	Response Status W			Comment Type       TR       Comment Status       D       Editorial         "See Annex 33C for more information on Autoclass."       Annex C is not about Autoclass.       Annex D is reserved for unbalance issues.       So we can use Annex E.         SuggestedRemedy       1. Change to: "See Annex 33E for more information on Autoclass."       2. Add Editor Note to Annex E: "Additional information regarding Autoclass to be added
Cl 33 SC 33.2.7.3 Yseboodt, Lennart Comment Type E Annex 33C is not abou	P 100 Philips Comment Status D t Autoclass. ore information on Autoclass. Response Status W	L 42 "	# <u>412</u> Editorial	If there is no need for more information on Autoclass, delete the text: "See Annex 33C for more information on Autoclass." 3. Same issue to be addressed in: Page 96 Line 3. Page 116 Line 20. Page 144 Line 23. Page 217 Line 19. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 412
				CI 33SC 33.2.7.3P 101L 1# 508Stover, DavidLinear TechnologyComment TypeEComment StatusDEditoria
				Order of Tables 33-14 and 33-15 are jumbled. SuggestedRemedy Modify Tables so Table 33-14 precedes Table 33-15. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

OBE by 173

Pa **101** Li **1** 

C/ 33 SC 33.2.7.2 Yseboodt, Lennart	2 <i>P</i> 101 Philips	L 1	# 413	C/ <b>33</b> Stover, David	SC 33.2.7.3	P <b>101</b> Linear Techn	L <b>38</b> ology	# 509
	Comment Status <b>D</b> d after Table 33-15. This has b at changes to the text would ev ppen.			SuggestedRe	uations use comm	Comment Status <b>D</b> as for the decimal point;	-	
SuggestedRemedy Exchange Table num	bering of 33-15 and 33-14.			14, 33-15,	, 33-16, 33-17, 33	r decimal marks in affec -18, 33-19, 33-23, 33-32 bles (33-32, 33-33).		33-4, 33-11, 33-12, 33- 33-36, 33-37, 33-38, 79-
Proposed Response PROPOSED ACCEP	Response Status W PT IN PRINCIPLE.			Proposed Res PROPOS	sponse Re ED ACCEPT IN F	esponse Status W RINCIPLE.		
OBE by 173				OBE by 2	55			
C/ 33 SC 33.2.7.3 Jones, Chad	3 <i>P</i> 101 Cisco	L 38	# 13	C/ 33 S Yseboodt, Ler	SC 33.2.7.3 mart	P <b>101</b> Philips	L 38	# 414
	Comment Status <b>D</b> can tell we have a European ed s with decimal points in 12 place		Editorial		e commas in deci	<i>Comment Status</i> <b>D</b> mal numbers, use 'dot'.		Editoria
SuggestedRemedy	ace the commas with decimal p		95.	SuggestedRei Change c Proposed Res	omma numbers ir	equation 33-4 to dots.		
Proposed Response PROPOSED ACCEP	Response Status W PT IN PRINCIPLE.				ED ACCEPT IN P	,		
OBE by 255				OBE by 2				
C/ 33 SC 33.2.7.3	3 P 101 Ciena	L 38	# 178	Zimmerman, (	U	P 101 CME Consult	L <b>39</b> ing, Aqua	# 105
Comment Type ER The IEEE style manu (decimal point)." Many equations and	Comment TypeERComment StatusDEditorialEquation 33-4constants (e.g., "+0,0014") appear to use european notation (commas for decimal point)According to IEEE Style Manual (12.2) decimal point should be used. This same issue appears in several places, including Equations 33-11, 33-12, 33-14, 33-15, 33- 16, 33-18, 33-19, 33-23, 33-32, 33-34, 33-35, 33-36, 33-38, 79-1, 79-2, and 33A-4 and Tables 33-32 and 33-33							
SuggestedRemedy				SuggestedRei				
,					•	point notation, throughou	ut draft, using th	e dot rather than
Change all ocurrence Check all equations a	and tables in the draft (including			commas.		_	-	
Change all ocurrence Check all equations a	Response Status W							
Change all ocurrence Check all equations a	Response Status W			Proposed Res	•	esponse Status W		
Change all ocurrence Check all equations a Proposed Response	Response Status W			•	sponse Ri ED ACCEPT IN F	,		

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 Pa 101

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 Li 39

 SORT ORDER: Page, Line
 Pa

P: 8/

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Comment Status D 'Symbol" too narrow.		Editorial				
		Eutonar	Comment Type E Table 33-17, item 19, b	Comment Status <b>D</b> both "IHold-2P" and "A" fields	need to be strad	<i>Editorial</i> Idled down.
er and column "Symbol" la	rger.		SuggestedRemedy Fix.			
Response Status W			Proposed Response PROPOSED ACCEPT	Response Status W		
P <b>102</b> Philips	L 15	# 416	C/ 33 SC 33.2.8 Yseboodt, Lennart	P <b>104</b> Philips	L <b>47</b>	# 419
	should not be.	Editorial	Comment Type E There is a long NOTE	Comment Status D in Item 23/Additional information	tion (I_unb).	Editorial
			SuggestedRemedy Move note to the end c	of section 33.2.8.11 which dea	als with this para	meter.
Response Status W			Proposed Response PROPOSED ACCEPT	Response Status W		
P <b>103</b> Philips	L <b>49</b>	# 417	C/ 33 SC 33.2.8 Stover, David	P <b>104</b> Linear Techn	L <b>49</b> ology	# 510
	, only a small ex	PSE Power planation on page 115.	For higher Class PDs,	this may preclude low-speed		
m Table 33-17			SuggestedRemedy	0		
			•••	ng for opinions from magneti	cs vendors here.	
			Proposed Response TFTD as requested	Response Status W		
	Philips Comment Status D age" is capitalized when it Response Status W P 103 Philips Comment Status D	P 102       L 15         Philips       Comment Status       D         age" is capitalized when it should not be.       Response Status       W         P 103       L 49         Philips       Comment Status       D         comment Status       D       D         comment Status       D       D         ot used anywere in the text, only a small exponent Table 33-17.       D	$\frac{P  102}{P  hilps} \qquad \qquad$	P102       L 15       # 416       Cl 33       SC 33.2.8         Philips       Editorial       SC 33.2.8       Yseboodt, Lennart         age" is capitalized when it should not be.       Editorial       There is a long NOTE         Response Status       W       Proposed Response         P 103       L 49       # 417         Philips       Cl 33       SC 33.2.8         Response Status       W       Proposed Response         P 103       L 49       # 417         Philips       Cl 33       SC 33.2.8         Comment Status       D       PSE Power         Ct used anywere in the text, only a small explanation on page 115.       Comment Type       T         Intra-pair current unball For higher Class PDs, inductance requiremer       SuggestedRemedy         Comment Status       W       TFTD. Especially looki         Pon Table 33-17.       Response Status       W	P102       L 15       # 416         Philips       Comment Status       D       Editorial         age" is capitalized when it should not be.       Editorial         age" is capitalized when it should not be.       Editorial         Response Status       W         P103       L 49       # 417         Philips       Proposed Response       Response Status       W         Philips       Proposed Response       Response Status       W         Proposed Response       Response Status       P 104         Yseboodt, Lennart       Philips       Comment Type       E       Comment Status       D         Philips       Comment Status       D       PSE Power       Cl 33       SC 33.2.8       P 104         Nove note to the end of section 33.2.8.11 which de       Proposed Response       Response Status       W         Comment Status       D       PSE Power       Cl 33       SC 33.2.8       P 104         Stover, David       Linear Techn       Comment Type       T       Comment Status X         Intra-pair current unbalance Lunb is specified as 35       For higher Class PDs, this may preclude low-speed inductance requirements on those magnetics.       SuggestedRemedy         TTFD. Especially looking for opinions from magneti       Pr	P102       L15       # 416         Philips       PROPOSED ACCEPT.         Comment Status D       Editorial         age" is capitalized when it should not be.       Editorial         Response Status W       Editorial         P103       L49       # 417         Philips       PSE Power         Comment Status D       PSE Power         Com Table 33-17.       SuggestedRemedy         Response Status W       SuggestedRemedy         Comment Type T       Comment Status X         Intra-pair current unbalance I_unb is specified as 3% I_Peak for Typ         For higher Class PDs, this may preclude low-speed data implementar         Inductance requirements on those magnetics.         SuggestedRemedy         TFTD. Especially looking for opinions from magnetics vendors here.         Proposed Response

Pa **104** Li **49** 

C/ 33 SC 33.2.8 P105 L12 # 420	C/ 33 SC 33.2.8.1 P 105 L 25 # 422
Seboodt, Lennart       Philips         omment Type       E       Comment Status       D       Editorial         Again too much text crammed into the "Additional information" cell of Table 33-17 for T_ed parameter.       Editorial       Seboot         uggestedRemedy       - Create new subsection after 33.2.8.13 with name "Error delay timing".       - Content of this section:         "T_ed, defined in Table 33-17, is the minimum delay time before a PSE may attempt subsequent powering of a pairset after power removal from that pairset because of an error condition."         - Replace Additional information field for Item 28/Table 33-17 with "See <new just="" made="" section="" we="">".</new>	Yseboodt, Lennart       Philips         Comment Type       E       Comment Status       D       Editor         "The specification for V Port_PSE-2P in Table 33-17 shall be met with a (I Hold max x V Port_PSE-2P min) to the maximum power per the PSE's assigned Class load step at a rate of change of at least 15 mA/ms."       Editor         Can be improved by moving 'load step' up in the sentence.       SuggestedRemedy         "The specification for V Port_PSE-2P in Table 33-17 shall be met with a load step of (I Hold max x V Port_PSE-2P min) to the maximum power per the PSE's assigned Class at a rate of change of at least 15 mA/us."         Proposed Response       Response Status       W
roposed Response     Response Status     W       PROPOSED ACCEPT.     733     SC 33.2.8     P 105     L 20     # 421	PROPOSED ACCEPT.           Cl 33         SC 33.2.8.1         P 105         L 26         # 106           Zimmerman, George         CME Consulting, Aqua
Yseboodt, Lennart       Philips         Comment Type       E       Comment Status       D       Editorial         "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."       B       B         SuggestedRemedy       "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in 4-pair mode."       B       B         Proposed Response       Response Status       W       PROPOSED ACCEPT.	Comment Type       TR       Comment Status X       PSE Power         "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 least 15 mA/us." is unclear - is there a load step specified somewhere? or is it "to the maximum power per the PSE's assigned Class under load changes at rates of up to 15mA/us"? Even so, since this is VPort_PSE-2P, isn't this the maximum power PER PAIRSET?         SuggestedRemedy       Clarify text, per comment.         Proposed Response       Response Status       W         TFTD       Partial OBE by 422.
	Need to address -2p part of comment.

Pa **105** Li **26** 

C/ 33       SC 33.2.8.1       P 105       L 37       # 107         Zimmerman, George       CME Consulting, Aqua       107         Comment Type       T       Comment Status       D       Education         "of the voltage difference at the PI" - specify the difference of what to what? The PI had       The PI had
"of the voltage difference at the PI" - specify the difference of what to what? The PI ha
pins.
SuggestedRemedy
Change "of the voltage difference at the PI" to "of the voltage difference between VPSE and VPSE- of the given pairset."
Proposed Response Response Status W
PROPOSED ACCEPT.
Are VPSE+ and VPSE- defined? Clear enough?
C/ 33 SC 33.2.8.2 P 105 L 51 # 28
Picard, Jean Texas Instruments
Comment Type TR Comment Status D PSE
To ensure acceptable steady-state operating conditions, we need to explain in which circumstances longer than 250us transients or significant voltage steps may be expect
SuggestedRemedy
Add the following note at the end of 33.2.8.2. "PSE should avoid causing such long duration (> 250us) transients or significant voltage steps with the exception of rare circumstances involving switchover of power supplies the ensure system robustness."

## Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Add the following note at the end of 33.2.8.2.

"PSE should avoid causing such long duration (> 250us) transients or significant voltage steps with the exception of rare circumstances such as those involving switchover of power supplies to ensure system robustness."

TYPE: TR/technical required ER/editorial required GR/general	al 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	

Confirm if this example text needs to be incorporated in the reference state diagram. If so,

Does transition between 2-pair and 4-pair power for a single-singature PD (less than class

add the following text on line 1 of the page 81, "Editor's Note: All behavior needs to be

described in the state diagrams. Readers are encouraged to incorporate text only

allowances and requirements into the appropriate state diagram. For example, see

Response Status W

5) change the state that the PD is in (in the state diagram)? Does it need to?

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.

okay in some circumstances.

SuggestedRemedy

Proposed Response

TFTD

Pa **105** Li **51** 

C/ 33 SC 33.2.8.4 Yseboodt, Lennart	P <b>106</b> Philips	L <b>1</b>	# 424	C/ <b>33</b> Yseboodt, I		3.2.8.4	P <b>106</b> Philips	L <b>27</b>	# 425	5
	Comment Status D I Port-2P and I Port-2P-othe	er"	Editorial		ed to de		Comment Status <b>D</b> " as the total current a Type n Figures 33-28 and 33-29.	3 or 4 PSE so		PSE Powe I because
	PSEs, I Port-2P and I Port-2	P-other"			nd new		after (33-6) which says: 2P-other			
Proposed Response PROPOSED ACCEPT.	Response Status W				is the t		t page 106, line 13 nt on both pairs with the sam	e polarity and	is defined in E	quation
C/ 33 SC 33.2.8.4 Darshan, Yair	P <b>106</b> Microsemi	L <b>24</b>	# 216	Proposed F PROP		Se ACCEPT.	Response Status W			
•	Comment Status <b>D</b> iired here. Normally we use ent. In this case this is just of			C/ <b>33</b> Stover, Dav		3.2.8.4	P <b>106</b> Linear Techno	L <b>40</b> logy	# <u>51</u>	1
33.2.5.9	utput current sourced by the output current sourced by the	•		is defin	I_Con i ned in eo e descri	quation 33 ptions rec	Comment Status <b>D</b> I current a PSE is able to sou 3-8, not in Table 33-17. Furth lundantly references I_Con: '	ermore, the pa	ragraph below	these
SuggestedRemedy Delete "total" in two locat	ions.			Replac	e refere	ence to Ta	ble 33-17 with Equation 33-8 ation (33-8)." in paragraph b		_	sentence
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed F PROPO	,		Response Status W N PRINCIPLE.			
				Replac	e refere	ence to Ta	ble 33-17 with Equation 33-8	3 in definition o	f I_Con.	

All other parameters are defined in the normal text (not equation definitions).

Pa **106** Li **40** 

C/ 33 SC 33.2.8.4 Yseboodt, Lennart	P <b>107</b> Philips	L <b>8</b>	# 426	C/ <b>33</b> Yseboodt,	SC 33.2.8.4 Lennart	P <b>107</b> Philips	L <b>34</b>	# 427
	Comment Status <b>D</b> P as specified in Equation (33 meters I Peak-2P , while with			Suggeste	t use commas in dRemedy	Comment Status <b>D</b> decimal numbers in equation	·	Editoria point.
I Peak , I Peak-2P-unb cycle minimum, where	, and I Peak-2P minimum for "	r T CUT-2P min	imum and 5 % duty	Proposed	Response POSED ACCEPT	Response Status W		
Super weird construction	on carried over (and made wo	orse) from legac	y text.	OBE	oy 255			
SuggestedRemedy								
	t the AC current waveform pa e of V Port_PSE-2P, for a mir			Cl <b>33</b> Darshan,	SC <b>33.2.8.4</b> Yair	P <b>107</b> Microsemi	L <b>36</b>	# 196
	33-13 (Ipeak-2P) to right after paragraph that starts with "IPe <i>Response Status</i> <b>W</b>		." and Equation 33-9.	33-11 <0.25 http://	, the accuracy of mA. Please see t www.ieee802.org raw poll in last me	v Equation 33-12 with Equati the curve fit of Equation 33-1 he work done in /3/bt/public/jul16/darshan_02 seting to be used in D2.0.	1 need to be inc	0
C/ 33 SC 33.2.8.4 Jones, Chad	P <b>107</b> Cisco	L <b>33</b>	# 14	lf no c	other comments,	blease adopt darshan_02_07 /3/bt/public/jul16/darshan_02		
Comment Type ER EQ 33-11. more comm	Comment Status D has that need to be decimal po	pints.	Editorial	•	Response POSED ACCEPT	Response Status W		
SuggestedRemedy Equation 33-11. replac	e the commas in numbers wit	th decimal point	s; 12 places					
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE.							
ORE by 255								

OBE by 255

Pa **107** Li **36** 

C/ 33         SC 33.2.8.4         P 107         L 43         # 219           Darshan, Yair         Microsemi	C/ 33         SC 33.2.8.4         P 107         L 44         # 197           Darshan, Yair         Microsemi
Comment Type TR Comment Status D PSE Power	Comment Type ER Comment Status D PSE Power
In Rchan-2P definition for Equation 33-11, it will help to define the operating range of Rchan-2P especially the minimum value.	The text: "The worst case value of IPeak-2P-unb is defined by Equation (33–12)." is not accurate.
SuggestedRemedy Change from: "where RChan-2P is the channel DC loop resistance per pairset, as defined in 33.1.3"	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.
To:	SuggestedRemedy
"where RChan-2P is the channel DC loop resistance per pairset, as defined in 33.1.3. Rchan-2P operating range for Equation 33-11 is from 0.2 ohm to 12.5 ohm."	Change from: "The worst case value of IPeak-2P-unb is defined by Equation (33–12)." To:
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	"The worst case value of IPeak-2P-unb is IPeak-2P-unb_max which can be derived by Equation (33-12)."
Change To: "where RChan-2P is the channel DC loop resistance per pairset, as defined in 33.1.3. Rchan-2P has a minimum value of 0.2 ohm when used in Equation 33-11."	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change To: "The worst case value of IPeak-2P-unb is IPeak-2P-unb_max which is defined by Equation (33-12)."
	C/ 33         SC 33.2.8.4         P 107         L 47         # 15           Jones, Chad         Cisco
	Comment TypeERComment StatusDEditorialEQ 33-12. another comma that should be a decimal point
	SuggestedRemedy Equation 33-12. Replace the comma with a decimal point
	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
	OBE by 255

Pa **107** Li **47** 

C/ 33         SC 33.2.8.4         P 108         L 2         # 220           Darshan, Yair         Microsemi	C/ 33         SC 33.2.8.4.1         P 108         L 34         # 217           Darshan, Yair         Microsemi
Comment TypeTRComment StatusDPSE PowerError 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.	Comment Type         TR         Comment Status         D         Unbalanc           "ICon-2P-unb applies for total channel common mode pair resistance from 0.1 OHM to RCh. For channels with common mode pair resistance lower than 0.1 OHM, see Annex 33B."         33B."
SuggestedRemedy         1. Change from Rchan to Rchan-2P in Equation 33-13 line 7.         2. Change from Rchan to Rchan-2P in Equation 33-13 line 8.         3. Change from Rchan to Rchan-2P in "where" list Equation 33-13 line 17.         Proposed Response       Response Status         W         PROPOSED ACCEPT.	This text is addressing ICon-2P-unb which is defined by Rchan-2P range therefore the "0.1 ohm" need to be changed to "0.2 ohm". (0.1 ohm to 6.25 ohm is the range for Rchan in 4-pairs). SuggestedRemedy Change from "0.1 ohm" to "0.2 ohm" in the following locations: 1. page 108 line 34.
Cl 33       SC 33.2.8.4       P 108       L 21       # 512         Stover, David       Linear Technology         Comment Type       ER       Comment Status       D       Editorial         "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.       SuggestedRemedy	2. page 108 line 35. 3. Clause 33.2.8.1 page 110 line 25. 4. Clause 33.2.8.1 page 110 line 32. 5. Annex 33B.4 title page 240 line 35. 6. Annex 33B.4 page 240 lines 36. 7. Annex 33B.4 page 240 lines 38 to 39, two locations. <i>Proposed Response Response Status</i> <b>W</b> PROPOSED ACCEPT.
Correct reference to Table 33-28. Proposed Response Response Status W PROPOSED ACCEPT.	CI 33     SC 33.2.8.4.1     P 108     L 35     # 428       Yseboodt, Lennart     Philips       Comment Type     E     Comment Status     D     Editoria
	<ul> <li>"For channels with common mode pair resistance lower than 0.1, see Annex 33B." Reference can be more specific.</li> <li>SuggestedRemedy Change to: "For channels with common mode pair resistance lower than 0.1, see Annex 33B.4."</li> <li>Proposed Response Response Status W PROPOSED ACCEPT.</li> </ul>

Pa **108** Li **35** 

	Linear Techno Comment Status X				Yair	Microsemi		
for system unbalance req	max place restrictions on th rit of these variables is to d uirements. However, the va ameters, in conflict with) the	efine and provid ariables are redu	e a much-needed test Indant to (and, for	Comment Equal The fa 33A-4 Suggeste In Eq Chan	<i>Type</i> <b>TR</b> ion 33-14: actor "2.015" of Rp for Rpair_PD_ma <i>dRemedy</i> uation 33-14 for cla ge the factor from 2	Comment Status D se_max for class 6 should x in class 6 which is "2.010 ass 6: 2.015 to 2.010.		Unbalance e factor of Equation
	Response Status W			•	Response POSED ACCEPT. SC 33.2.8.5	Response Status W	L <b>41</b>	# [17]
WFP				Jones, Ch		Cisco	2.41	"
SuggestedRemedy Equation 33-14. replace t have to be an accept in p have commas. Could be	P 108 Cisco Comment Status D that need to be decimal por he commas with decimal por rincipal because I'm not su 8 places and not just 4. TF <sup>T</sup> Response Status W I PRINCIPLE.	pints in 4 places re if the leading		EQ 3 EQ 3 EQ 3 EQ 3 EQ 3 Suggeste Equa EQ 3 EQ 3 EQ 3 EQ 3	<ul> <li>3-15 yet more com</li> <li>3-16 1 place</li> <li>3-17 6 places</li> <li>3-18 7 places</li> <li>3-19 9 places</li> <li>3-23 2 places</li> <li><i>dRemedy</i></li> <li>ion 33-15. Replace</li> <li>3-16 1 place</li> <li>3-16 1 places</li> <li>3-17 6 places</li> <li>3-18 7 places</li> <li>3-18 7 places</li> <li>3-19 9 places</li> <li>3-23 2 places</li> </ul>	Comment Status D mas that need replaced wi		
C/ 33 SC 33.2.8.4.1 Yseboodt, Lennart	P <b>108</b> Philips	L <b>41</b>	# 429	•	Response POSED ACCEPT I	Response Status W N PRINCIPLE.		
Comment Type E Do not use commas in de SuggestedRemedy	Comment Status <b>D</b> ccimal numbers in equation	33-14 , use dot	<i>Editorial</i> point.	OBE	by 255			
Change commas in decir	nal numbers to dots in equa	ation 33-14.						
Proposed Response PROPOSED ACCEPT IN	Response Status W PRINCIPLE.							
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 **109** Li **41** 

Cl 33 SC 33.2.8.5 Yseboodt, Lennart	6 P <b>109</b> Philips	L <b>43</b>	# 430	C/ <b>33</b> Darshan,	SC <b>33.2.8.5</b> Yair	P 110 Microsemi	L <b>4</b>	# 218
Comment Type E	Comment Status D		Edito	rial Comment	туре т	Comment Status D		PSE Power
	n decimal numbers in equatior	n 33-15 , use do	ot point.			minimum value of Ilnrush-2 lance." is correct when oper		
SuggestedRemedy	ecimal numbers to dots in equ	ation 22 15		Suggeste	dRemedy			
5	·	alloff 35-15.			ge from:			
Proposed Response PROPOSED ACCEP	Response Status W T IN PRINCIPLE.				minimum value of ance."	f IInrush-2P includes the effort	ect of end to end	I pair to pair resistance
OBE by 255						Inrush-2P includes the eff	ect of end to end	I pair to pair resistance
C/ 33 SC 33.2.8.5	P 109	L <b>43</b>	# 190		ance when operat	<b>o</b>		
Darshan, Yair	Microsemi				<i>Response</i> POSED ACCEPT.	Response Status W		
Comment Type TR	Comment Status D		PSE Po	-	-OSED ACCEPT.	•		
•	e simplified per the work done			CI 33	SC 33.2.8.5.1		L <b>20</b>	# 294
•	rg/3/bt/public/jul16/darshan_01 neeting to be used in D2.0.	_0716.pdf and	was accepted accordi	ng Schindler	, Fred	Seen Simply	/, Broadco	
the straw poir in last i	needing to be used in D2.0.			Comment	Type TR	Comment Status D		PSE SD
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	716 pdf for D2 0			Durin		erim, senior IEEE officers in		
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Addopt darshan_01_0 Proposed Response PROPOSED ACCEP OBE by 249 Cl 33 SC 33.2.8.5 Darshan, Yair Comment Type TR (This is identical com darshan_02_0916.pd same. The only differ places to be consiste Equation 33-15 can b http://www.ieee802.or the straw poll in last r See updated version	Response Status W T IN PRINCIPLE.	Here I have upd from July which "Im' was chang nt.) in _0716.pdf and	Pres: Darsh lated the file to n its base line is the les to "Imax" in few was accepted accordi	Durin in sta is use assig Table behar Suggeste Confi apper exam not br made Proposed PROI	te diagrams and the din this draft, "A fined Class 7 or Class 33–17, but not less vior. <i>dRemedy</i> rm if this example and to the Editor's right, see behaviors e considered satistered satistered satistered satistered and to the Editor's right, see behaviors e considered satistered sati	hat text alone would not be Type 4 PSE, when connect ass 8, may implement a mir ss than 0.4 A." The state d text needs to be incorporat note called out in other com s only described in 33.2.8.5 fied until an acceptable sole <i>Response Status</i> <b>W</b> are not in the PSE SD and a	correct. An exar ed to a single-sig nimum IInrush lov iagram on page a red in the reference ments marked C .1 paragraph one ution is provided	mple of where text alone gnature PD with wer than defined in 81 does not provide this ce state diagram. If so, COMMENT-6, "For e." This comment should to addess the comment
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COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Page, Line

Li **20** 

8/31/2016 3:49:36 PM

C/ 33 SC 33.2.8.5.1 Yseboodt, Lennart	P <b>110</b> Philips	L <b>20</b>	# 431	C/ 33 SC 33.2.8.5 Yseboodt, Lennart	.1 <i>P</i> 110 Philips	L <b>28</b>	# 433
Comment Type E "Such a PSE that imple successfully power up	Comment Status D ments a minimum I Inrush k ."	ower than define	<i>Editorial</i> ed in Table 33-17 shall	Comment Type E "Such a PSE that imp successfully power up	Comment Status D lements a minimum I Inrush I "	ower than define	<i>Editoria</i> d in Table 33-17 shall
Repeats large	e part of previous sentence.			Repeats lar	ge part of previous sentence.		
SuggestedRemedy "Such a PSE shall succ	essfully power up"			SuggestedRemedy "Such a PSE shall su	ccessfully power up"		
Proposed Response PROPOSED REJECT.	Response Status W			Proposed Response PROPOSED REJECT	Response Status W		
	nents…" part of the sentenc ss 7 and 8 PDs or only those				ements" part of the sentend class 5 DS PDs or only thos		
TFTD				TFTD			
Cl 33 SC 33.2.8.5.1 Yseboodt, Lennart	P <b>110</b> Philips	L <b>23</b>	# 432	C/ 33 SC 33.2.8.6 Yseboodt, Lennart	P <b>110</b> Philips	L <b>36</b>	# 434
Comment Type E "T_Inrush-2p" SuggestedRemedy Capitilize "-2P"	Comment Status D		Editorial	CUT-2P , Type 1 and current supplied on a	Comment Status <b>D</b> supplied by the PSE to the PI Type 2 PSEs may remove po pairset by the PSE to the PI, Type 4 PSEs may remove po	wer from the PI. exceeds I CUT-2	If I Port-2P , the P for longer than T?
Proposed Response PROPOSED ACCEPT.	Response Status W				nd forth a lot on the naming c merge these sentences. (An		
					ent supplied on a pairset by th , PSEs may remove power fr		exceeds I CUT-2P for
				Proposed Response	Response Status W	•	

Proposed Response Response Status W

PROPOSED ACCEPT.

Pa **110** Li **36** 

C/ 33         SC 33.2.8.7         P 110         L 47         # 191           Darshan, Yair         Microsemi	Cl 33         SC 33.2.5.9         P 110         L 51         # 235           Darshan, Yair         Microsemi
Comment Type TR Comment Status D PSE Power	Comment Type TR Comment Status D PSE Powe
In the following text: "A PSE may remove power from the PI if the PI current meets or exceeds the "PSE lowerbound template in Figure 33–27, Figure 33–28, and Figure 33–29. Power shall be removed from a pairset of a PSE before the pairset current exceeds the "PSE upperbound template"."	The text: "The right side vertical axis in Figure 33–28 and Figure 33–29 applies to Type 3 and Type 4 PSEs that supply power to a single-signature PD over 4-pair." is not accurate and confusing.
There is missing text that says that the minimum value of ILIM-2P is the PSE lowerbound	SuggestedRemedy
template as we did for the upperbound. SuggestedRemedy	Change from: "The right side vertical axis in Figure 33–28 and Figure 33–29 applies to Type 3 and Type 4 PSEs that supply power to a single-signature PD over 4-pair."
Change from: "A PSE may remove power from the PI if the PI current meets or exceeds the "PSE lowerbound template" in Figure 33–27, Figure 33–28, and Figure 33–29. Power shall be removed from a pairset of a PSE before the pairset current exceeds the "PSE upperbound template"."	To: "The left side vertical axis in Figure 33–28 and Figure 33–29 applies to Type 3 and Type 4 PSEs that supply power over each pairset to a single-signature PD and dual-signature PD. The right side vertical axis in Figure 33–28 and Figure 33–29 indicates the total current when Type 3 and Type 4 PSEs supply power to a single-signature PD over 4-pair."
To: "The mininimum value of ILIM-2P is the PSE lowerbound. A PSE may remove power from the PI if the PI current meets or exceeds the "PSE lowerbound template" in Figure 33–27, Figure 33–28, and Figure 33–29. Power shall be removed from a pairset of a PSE before the pairset current exceeds the "PSE upperbound template"."	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change To:
Proposed Response Response Status W PROPOSED REJECT.	The right side vertical axis in Figure 33–28 and Figure 33–29 indicates the total current when Type 3 and Type 4 PSEs supply power to a single-signature PD over 4-pair."
	Cl 33 SC 33.2.8.7 P 111 L 28 # 435
The upper bound template is called out directly as the max value for ILIM. The lower	Yseboodt, Lennart Philips
The upper bound template is called out directly as the max value for ILIM. The lower bound template consists of multiple named parameters, ILIM, ICON, IPEAK. This sentence is not needed. If it was it should be above the equations for the lower bound	Yseboodt, Lennart       Philips         Comment Type       TR       Comment Status       D       PSE Power         ILIMmin variable and equation are obsolete, this is not used anymore.       PSE Power
The upper bound template is called out directly as the max value for ILIM. The lower bound template consists of multiple named parameters, ILIM, ICON, IPEAK. This sentence is not needed. If it was it should be above the equations for the lower bound template, not where suggested.	Yseboodt, Lennart       Philips         Comment Type       TR       Comment Status       D       PSE Power         ILIMmin variable and equation are obsolete, this is not used anymore. In figures 33-27 to 33-29 ILIM-2P_min is used.       SuggestedRemedy
The upper bound template is called out directly as the max value for ILIM. The lower bound template consists of multiple named parameters, ILIM, ICON, IPEAK. This sentence is not needed. If it was it should be above the equations for the lower bound template, not where suggested.	Yseboodt, Lennart       Philips         Comment Type       TR       Comment Status       D       PSE Power         ILIMmin variable and equation are obsolete, this is not used anymore. In figures 33-27 to 33-29 ILIM-2P_min is used.       PSE Power       PSE Power         SuggestedRemedy Remove ILIMmin equation 33-16.       Response Status       W

Pa **111** Li **28** 

Cl 33       SC 33.2.8.7       P 111       L 30       # 436       Cl 33       SC 33.2.8.7       P 112       L 39         Yseboodt, Lennart       Philips       Philips	# 437
Comment Type       E       Comment Status       D       Editorial       Comment Type       E       Comment Status       D         Do not use commas in decimal numbers in equation 33-16, use dot point.       Editorial       Comment Type       E       Comment Status       D         SuggestedRemedy Change commas in decimal numbers to dots in equation 33-16.       SuggestedRemedy Remove underlines.       SuggestedRemedy Remove underlines.       Remove underlines.         Proposed Response       Response Status       W       Proposed Response       Response Status       W	
Change commas in decimal numbers to dots in equation 33-16.     Remove underlines.       Proposed Response     Response Status       W     Proposed Response	Editoria and 33-18.
PROPOSED ACCEPT IN PRINCIPLE. PROPOSED ACCEPT IN PRINCIPLE.	
OBE by 255 OBE by 179	
C/ 33       SC 33.2.8.7       P 111       L 30       # 215       C/ 33       SC 33.2.8.7       P 112       L 40         Darshan, Yair       Microsemi       Microsemi       Ciena       Ciena	# 179
<ol> <li>Equation 33-16 describes the relationship between ILIM_min and Ipeak_max and not between ILIM_min and Ipeak.</li> <li>Equation 33-16 adress ILIM_min during TLIM-2P min time duration only.</li> <li>SuggestedRemedy         <ul> <li>Change the text "ILIM_min is defined by Equation (33–16)."</li> <li>To: "The total current at ILIM-2P_min operating point during TLIM-2P_min is ILIM_min</li> </ul> </li> <li>Proposed Response Response Status W         <ul> <li>PROPOSED ACCEPT.</li> </ul> </li> </ol>	
defined by Equation (33–16)."       C/ 33 SC 33.2.8.7       P 112 L 40         2. Change Equation 33-16 from: ILIM_min={Ipeak+0.004}A       Yseboodt, Lennart       Philips	# 438
To: Comment Type E Comment Status D ILIM_min={Ipeak_max+0.004}A Do not use commas in decimal numbers in equation 33-17 and 33-18,	Editoria
3. in the "where" list change:       SuggestedRemedy         "Ipeak is defined by Equation (33-9)       Change commas in decimal numbers to dots in equation 33-17 and 33-	18.
To:       "Ipeak_max       is the maximum value of Ipeak derived from Equation (33-9)"       Proposed Response       Response Status       W         Proposed Response       Response Status       W       PROPOSED ACCEPT IN PRINCIPLE.	
PROPOSED ACCEPT. OBE by 255	
TFTD (needs more review)	

Pa **112** Li **40** 

SC 33.2.8.8 C/ 33 SC 33.2.8.7 P 113 L 12 # 514 C/ 33 P114 L 44 # 441 Stover, David Linear Technology Yseboodt, Lennart Philips Pres: Stover2 Comment Type TR Comment Status X Comment Type T Comment Status D PSF Power I\_PSEUT for Type 3, Type 4 PSEs may cause interoperability issues with Type 1, Type 2 "The PSE remains in the IDLE state as long as the average voltage across the pairset is below V Off max." PDs. SuggestedRemedy Or in the DISABLED state... See stover 02 0916.pdf SuggestedRemedy Proposed Response Response Status W "The PSE remains in the IDLE or DISABLED state as long as the average voltage across TFTD the pairset is below V Off max." Proposed Response Response Status W WFP PROPOSED ACCEPT. C/ 33 SC 33.2.8.7 P 113 L 34 # 439 P 115 C/ 33 SC 33.2.8.10 L 10 # 442 Yseboodt, Lennart Philips Yseboodt, Lennart Philips Comment Status D Editorial Comment Type E Comment Type TR Comment Status D Do not use commas in decimal numbers in equation 33-19, use dot point. "P Con is valid over the range of V Port\_PSE-2P defined in Table 33-17. Measurement of SuggestedRemedy P Con should be averaged using any sliding window with a width of 1 s." Change commas in decimal numbers to dots in equation 33-19. This is the only place where Pcon is used. We can simplify it to Pclass and Pclass-2P. Proposed Response Response Status W SuggestedRemedy PROPOSED ACCEPT IN PRINCIPLE. "PClass and PClass-2P are valid over the range of V Port PSE-2P defined in Table 33-17. OBE by 255 Measurements should be averaged using any sliding window with a width of 1 s." Proposed Response Response Status W C/ 33 SC 33.2.8.7 P 113 L 35 # 440 PROPOSED ACCEPT. Yseboodt, Lennart Philips Comment Type E Comment Status D Editorial See 417 Underline under IPSEUT\_Type4-2P in equation 33-19. SuggestedRemedy Remove underline. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

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

OBE by 179

Pa 115 Li 10

Cl 33         SC 33.2.8.11         P 115         L 23         # 515           Stover, David         Linear Technology         Example 1000000000000000000000000000000000000	C/ 33         SC 33.2.9         P 116         L 20         # 445           Yseboodt, Lennart         Philips
Comment Type E Comment Status D Editorial "A 100BASE-TX transmitter in a Type 2, Type 3 and Type 4 Endpoint PSEs shall meet the	Comment Type     E     Comment Status     D     Editoria       "See Annex 33C" refers to Autoclass.
requirements of 25.4.5 in the presence of (I_unb / 2)." has "Type 3 and Type 4" poorly shoehorned. SuggestedRemedy Replace text with "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE shall meet the requirements of 25.4.5 in the presence of (I_unb / 2)."	SuggestedRemedy Remove sentence. Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	CI 33         SC 33.2.10         P 116         L 28         # 446           Yseboodt, Lennart         Philips
Replace text with "A 100BASE-TX transmitter in a Type 2, Type 3, or Type 4 Endpoint PSE shall meet the requirements of 25.4.5 in the presence of (I_unb / 2)."         C/ 33 SC 33.2.8.12       P 115       L 34       # 443	Comment Type E Comment Status D Editoria "Figure 33-22 and Figure 33-23 show the PSE monitor state diagrams for Type 3 and Type 4 PSEs."
Yseboodt, Lennart     Philips       Comment Type     E       Comment Status     D       Do not use commas in decimal numbers in equation 33-23, use dot point.	Also need to mention Fig 33-21. SuggestedRemedy "Figure 33-21, Figure 33-22, and Figure 33-23 show the PSE monitor state diagrams for Type 3 and Type 4 PSEs." Proposed Response Response Status W
Change commas in decimal numbers to dots in equation 33-23. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	PROPOSED ACCEPT. <i>CI</i> 33 <i>SC</i> 33.2.10.1.2 <i>P</i> 118 <i>L</i> 26 # 447 Yseboodt, Lennart Philips
OBE by 255         Cl 33       SC 33.2.8.13       P 115       L 52       # 444         Yseboodt, Lennart       Philips         Comment Type       E       Comment Status       D       Editorial         Type 3 and Type 4 PSEs, when connected to a single-signature PD, shall reach the	Comment TypeTRComment StatusDPSE MPSPSE DC MPS requirements, there are 3 "blocks" of requirements:1. A PSE powering a PD over a single pairset2. A Type 3 or Type 4 PSE powering a single-signature PD over both pairsets3. A Type 3 or Type 4 PSE powering a dual-signature PDA dual-signature PD being powered over 2P by a Type 3/4 PSE would fall both under 1 and
POWER_ON state within T pon after completing detection on last pairset.         SuggestedRemedy         Type 3 and Type 4 PSEs, when connected to a single-signature PD, shall reach the POWER_ON state within T pon after completing detection on _the_ last pairset.         Proposed Response       Response Status       W	3. SuggestedRemedy Change "A Type 3 or Type 4 PSE powering a dual-signature PD" to "A Type 3 or Type 4 PSE powering a dual-signature PD over both pairsets" Proposed Response Response Status W
PROPOSED ACCEPT.	PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/gener	ral 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 **118** Li **26**  Page 62 of 124 8/31/2016 3:49:36 PM

C/ 33 SC 33.2.10.1.2 Yseboodt, Lennart	P <b>118</b> Philips	L <b>32</b>	# 448	Cl 33 SC 33.2.10. Yseboodt, Lennart	<b>1.2</b> <i>P</i> <b>118</b> Philips	L <b>42</b>	# 449
Comment Type TR Comment 3 The DC MPS requirements, the list o reference to Iport. IPort is a 4P parameter, hence it sho	n "A PSE powe	0	PSE MPS a single pairset" makes		Comment Status <b>D</b> nents, the list on "A Type 3 or n pairsets" uses the construct		
SuggestedRemedy Replace (3x) IPort by IPort-2P. Proposed Response Response S PROPOSED ACCEPT.	Status <b>W</b>			Also known as IPort SuggestedRemedy Replace "the sum of I Proposed Response	Port-2P of both pairsets of th <i>Response Status</i> <b>W</b>	e same polarity"	' by "IPort" (3x)
C/ 33 SC 33.2.10.1.2 Schindler, Fred	P 118 Seen Simply, I	L <b>37</b> Broadco	# 295	PROPOSED ACCEPT	-		
The PSE requirements on lines 37 to same and appear to contradict each							
	other. "shall ren er than TMPDO ent within the TM power from the at least TMPS ev the PI when DC acy text uses ", which requires	nove power from " and "shall no MPS + TMPDO port when IPo very TMPS + T MPS has beer at least TMPS the reader to u	m the PI when DC MPS t remove power from window." Legacy text rt is greater than or MPDO". But it also n absent for a duration " while the new text inderstand that DC				
same and appear to contradict each has been absent for a duration greate the PI when DC MPS has been prese indicates "The PSE shall not remove equal to IHold max continuously for a says, "Power shall be removed from greater than TMPDO.". The key lega says "DC MPS has been present", MPS is TMPS, but leaves out the at I SuggestedRemedy Replace the called-out text, "DC MPS	other. "shall ren er than TMPDO ent within the TM power from the at least TMPS ev the PI when DC acy text uses " which requires least. This is co S has been pres	nove power from " and "shall no MPS + TMPDO port when IPoo very TMPS + T MPS has beer at least TMPS the reader to u imparable to =	m the PI when DC MPS t remove power from window." Legacy text rt is greater than or MPDO". But it also n absent for a duration " while the new text inderstand that DC to >=.				
same and appear to contradict each has been absent for a duration greate the PI when DC MPS has been prese indicates "The PSE shall not remove equal to IHold max continuously for a says, "Power shall be removed from greater than TMPDO.". The key lega says "DC MPS has been present", MPS is TMPS, but leaves out the at I SuggestedRemedy	other. "shall ren er than TMPDO ent within the TM power from the at least TMPS ev the PI when DC acy text uses " which requires least. This is co S has been pres MPS".	nove power from " and "shall no MPS + TMPDO port when IPoo very TMPS + T MPS has beer at least TMPS the reader to u imparable to =	m the PI when DC MPS t remove power from window." Legacy text rt is greater than or MPDO". But it also n absent for a duration " while the new text inderstand that DC to >=.				
same and appear to contradict each has been absent for a duration greate the PI when DC MPS has been prese indicates "The PSE shall not remove equal to IHold max continuously for a says, "Power shall be removed from greater than TMPDO.". The key lega says "DC MPS has been present", MPS is TMPS, but leaves out the at I SuggestedRemedy Replace the called-out text, "DC MPS MPS has been present for at least TM Proposed Response Response S	other. "shall ren er than TMPDO ent within the TM power from the at least TMPS er the PI when DC acy text uses " which requires least. This is co S has been pres MPS". Status W	nove power from " and "shall no APS + TMPDO port when IPoo very TMPS + T MPS has beer at least TMPS the reader to u mparable to = ent" in all refere	m the PI when DC MPS t remove power from window." Legacy text rt is greater than or MPDO". But it also n absent for a duration " while the new text inderstand that DC to >=. enced lines with "DC				
same and appear to contradict eachors has been absent for a duration greater the PI when DC MPS has been preservindicates "The PSE shall not remove equal to IHold max continuously for a says, "Power shall be removed from greater than TMPDO.". The key lega says "DC MPS has been present", MPS is TMPS, but leaves out the at I SuggestedRemedy Replace the called-out text, "DC MPS MPS has been present for at least TP Proposed Response Response S PROPOSED REJECT. The definition of present is "Iport is g	other. "shall ren er than TMPDO ent within the TM power from the at least TMPS ev the PI when DC acy text uses " which requires least. This is co S has been pres MPS". Status W reater than or ev	nove power from " and "shall no APS + TMPDO port when IPoo very TMPS + T MPS has beer at least TMPS the reader to u mparable to = ent" in all refere	m the PI when DC MPS t remove power from window." Legacy text rt is greater than or MPDO". But it also n absent for a duration " while the new text inderstand that DC to >=. enced lines with "DC				

Pa **118** Li **42** 

In my previous work in http://www.ieee802.org/3/bt/public/may16/darshan_10_0516.pdf, I have addressed the PSE dv/dt that affects short MPS. The bottom line is: PSE dv/dt woltage transients caused by ports cross regulations, creates current transient at the amplitude and time duration of the short MPS pulse and can cancel the MPS short pulse and add to it a false current pulse which makes the short MPS operation less reliable. There are several questions resulting from this research: 1. How PSE will address false missing or addition of pulse, the PSE will keep the power even if it is false "don't connect power". () The PSE will decide what to do if it has the information that the distorted short MPS pulse was a result of PSE dv/dt. 2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions? a) Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achieve. b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue? 3. How to address this issue when testing system for compliance? Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time seo PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is steaded and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port. bout it will be good to clarify it in case of multi-port system as we did in other cases in the spec. SuggestedRemedy 1. Add the following text in the 1_PSE requirements:	Yes Vela	I.2 <i>P</i> 119	L <b>20</b>	# 192	C/ <b>33</b>	SC 33.3.2	P <b>120</b>	L <b>20</b>	# 516	
In my previous work in http://www.ieee802.org/3/bt/public/may16/darshan_10_0516.pdf, I have addressed the PSE dv/dt that affects short MPS. The bottom line is: PSE dv/dt voltage transients caused by ports cross regulations, creates current transient at the amplitude and time duration of the short MPS pulse and can cancel the MPS short pulse and add to it a false current pulse which makes the short MPS porter transient at the power even if it is false. "don't connect power". 1. How PSE will address false missing or addition of pulse, the PSE will keep the power even if it is false "don't connect power". 1) If the PD wants to be OFF but there is false addition of pulse, the PSE will keep the power even if it is false "don't connect power". 1) The PSE dv/dt. 2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions? a) Not to require may thing. The current spec: suggests using higher MPS current. The problem is that it is contreat the distorted short MPSE was meant to achieve. b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue? Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is soly about a single port. but it will be good to claftly it in case of multi-port system as we did in other cases in the spec. Suggested/Remedy 1. Add the following text in the 1.PSE requirements:	han, Yair	Microsemi			Stover, Da	ivid	Linear Techn	ology		
have addressed the PSE dv/dt that affects short MPS. The bottom line is: PSE dv/dt voltage transients caused by ports cross regulations, creates current transient at the amplitude and time duration of the short MPS pulse and can cancel the MPS short pulse and add to it a false current pulse which makes the short MPS operation less reliable. There are several questions resulting from this research: 1. How PSE will address false missing or addition of short MPS pulse? Options: a) If it is missing, it should remove power and risking with false disconnect. b) If the PD wants to be OFF but there is false addition of pulse, the PSE will keep the power even if it is false 'don't connect power'. c) The PSE will decide what to do if it has the information that the distorted short MPS pulse was a result of PSE dv/dt. 2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions? a) Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achieve. b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue? Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. It his way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec. SuggestedRemedy 1. Add the following text in the 1. PSE requirements:	ment Type TR	Comment Status X		PSE MPS	Comment	Туре Е	Comment Status D		E	ditoria
anglitude and time duration of the short MPS pulse and can cancel the MPS short pulse and add to it a false current pulse which makes the short MPS operation less reliable. There are several questions resulting from this research: 1. How PSE will address false missing or addition of short MPS pulse? Options: a) If it is missing, it should remove power and risking with false disconnect. b) If the PD wants to be OFF but there is false addition of pulse, the PSE will keep the power even if it is false "don't connect power". c) The PSE will decide what to do if it has the information that the distorted short MPS pulse was a result of PSE dv/dt. 2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions? a) Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achireve. b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue? 3. How to address this issue when testing system for compliance? Simpler solution was suggested by Chad that is not required new definitions or requirements for PSE nor PDs. The requirements of the Spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec. Stuggested/Remedy 1. Add the following text in the 1. PSE requirements:PSE dv/dt. the specific specifi	have addressed the P	SE dv/dt that affects short I	MPS. The bottom li	ne is: PSE dv/dt			1 does not define or describe h	ow to construct a	a single- or dual-	
and add to it a false current pulse which makes the short MPS operation less reliable.There are several questions resulting from this research:There are several questions resulting from this research:1. How PSE will address false missing or addition of short MPS pulse?Proposed Response Status WOptions:a) If it is missing, it should remove power and risking with false disconnect.b) If the PD wants to be OFF but there is false addition of pulse, the PSE will keep the power even if it is false "don't connect power".c) The PSE will addie what to do if it has the information that the distorted short MPS pulse was a result of PSE dv/dt.2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions?a) Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achieve.b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue?3. How to address this issue when testing system for compliance?Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs on PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port. but it will be good to clarify it in case of multi-port system as we did in other cases in the spec.uggestedRemedyNad the following text in the 1. PSE requirements:1. Add the following text in					Suggested	dRemedy				
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Options:PROPOSED ACCEPT.a) If it is missing, it should remove power and risking with false disconnect.b) If the PD wants to be OFF but there is false addition of pulse, the PSE will keep the power even if it is false "don't connect power".c) The PSE will decide what to do if it has the information that the distorted short MPS pulse was a result of PSE dv/dt.C/ 33 SC 33.3.2P 120L 22# 4502. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt.PSE dv/dt conditions?DEd3. Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achieve.EComment TypeEComment StatusDEd"PDs can be constructed as single-signature or dual-signature as defined in 1.4 and 33.2.6.1."Better to refer 33.3.5 which containst the PD spec on signature.SuggestedRemedy3. How to address this issue when testing system for compliance? Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible duo to corss regulation. In this way the true requirements of the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec.P120L 37# 207UggestedRemedy 1. Add the following text in the 1. PSE requirements:DComment TypeDComment TypeD1. Add the following text in the 1. PSE requirements:DComment Type <td< td=""><td>There are several que</td><td>stions resulting from this re</td><td>search:</td><td></td><td>Proposed</td><td>Response</td><td>Response Status W</td><td></td><td></td><td></td></td<>	There are several que	stions resulting from this re	search:		Proposed	Response	Response Status W			
<ul> <li>a) If it is missing, it should remove power and risking with false disconnect.</li> <li>b) If the PD wants to be OFF but there is false addition of pulse, the PSE will keep the power even if it is false "don't connect power".</li> <li>c) The PSE will decide what to do if it has the information that the distorted short MPS pulse was a result of PSE dv/dt.</li> <li>2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions?</li> <li>a) Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achieve.</li> <li>b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue?</li> <li>3. How to address this issue when testing system for compliance?</li> <li>Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs or PD is not cheating It is clear that the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec.</li> <li>1. Add the following text in the 1. PSE requirements:</li> </ul>		ss false missing or additior	of short MPS puls	ie?	PROF	OSED ACCEP	РТ.			
<ul> <li>b) into the power event if it is false "don't connect power".</li> <li>c) The PSE will decide what to do if it has the information that the distorted short MPS pulse was a result of PSE dv/dt.</li> <li>2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions?</li> <li>a) Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achieve.</li> <li>b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue?</li> <li>3. How to address this issue when testing system for compliance?</li> <li>Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at at time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is sonly about a single port. but it will be good to clarify it in case of multi-port system as we did in other cases in the spec.</li> <li>1. Add the following text in the 1. PSE requirements:</li> </ul>	a) If it is missing, it sh						<b>D</b>			
<ul> <li>c) The PSE will decide what to do if it has the information that the distorted short MPS pulse was a result of PSE dv/dt.</li> <li>2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions?</li> <li>a) Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achieve.</li> <li>b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue?</li> <li>3. How to address this issue when testing system for compliance?</li> <li>Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port. but it will be good to clarify it in case of multi-port system as we did in other cases in the spec.</li> <li>uggestedRemedy</li> <li>1. Add the following text in the 1. PSE requirements:</li> </ul>			dition of pulse, the	PSE will keep the			-	L <b>22</b>	# 450	
pulse was a result of PSE dv/dt.       Comment Type E       Comment Status D       Ea         2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions?       PSE dv/dt conditions of requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation.	tower even if it is faise	e don't connect power . e what to do if it has the info	rmation that the di	storted short MPS						
<ul> <li>PSE dv/dt conditions?</li> <li>a) Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achieve.</li> <li>b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue?</li> <li>3. How to address this issue when testing system for compliance?</li> <li>Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec.</li> <li><i>uggestedRemedy</i></li> <li>1. Add the following text in the 1. PSE requirements:</li> </ul>	oulse was a result of F	PSE dv/dt.				51				ditoria
b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue? 3. How to address this issue when testing system for compliance? Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec. uggestedRemedy 1. Add the following text in the 1. PSE requirements:			is generating a val	id MPS pulse under			cted as single-signature or dua	l-signature as de	efined in 1.4 and	
to achieve. b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue? 3. How to address this issue when testing system for compliance? Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec. uggestedRemedy 1. Add the following text in the 1. PSE requirements: DED Comment Lines The comment Lines The comment Lines The comment Lines The comment Status D					Battar	to refer 33 3 5	which containst the PD spec of	n signature		
b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue?       If the specific address it in the spec. May be just address it in the specific address it is is a specific address it in the specifi								in signature.		
3. How to address this issue when testing system for compliance? Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec. <i>uggestedRemedy</i> 1. Add the following text in the 1. PSE requirements: 3.3.5." <i>Proposed Response Response Status</i> <b>W</b> PROPOSED ACCEPT IN PRINCIPLE. OBE by 516 <i>Cl</i> 33 <i>SC</i> 33.3.2 <i>P</i> 120 <i>L</i> 37 # 207 <i>Darshan</i> , Yair Microsemi				pec. May be just		-	cted as single-signature or dua	l-signature as de	afined in 1.4 and	
Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec. <i>uggestedRemedy</i> 1. Add the following text in the 1. PSE requirements:							cied as single-signature of dua	-signature as de		
requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec. uggestedRemedy 1. Add the following text in the 1. PSE requirements:	Simpler solution was s	suggested by Chad that is r	ot required new de		Proposed	Response	Response Status W			
to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec. <i>uggestedRemedy</i> 1. Add the following text in the 1. PSE requirements: DBE by 516 C/ 33 SC 33.3.2 P 120 L 37 # 207 Darshan, Yair Microsemi					PROF		T IN PRINCIPLE.			
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PuggestedRemedy     Darshan, Yair     Microsemi       1. Add the following text in the 1. PSE requirements:     Commont Times TB     Commont Status D	hat PSE or PD is not	cheating It is clear that th	e spec is only abou	ut a single port but it	OBE	by 516				
1. Add the following text in the 1. PSE requirements:	с ,	t in case of multi-port syste	n as we did in othe	er cases in the spec.	C/ <b>33</b>	SC 33.3.2	P <b>120</b>	L <b>37</b>	# 207	
	-				Darshan, `	Yair	Microsemi			
					Comment	Type <b>TR</b>	Comment Status D		PD	Types
resultaed with distored MPS pulse, the PSE may decide what action to take (to maintain power or disconnect) if it has the information that the distorted short MPS pulse was a so in the "optional capabilities" column, "Autoclass" should be deleted and left empty.	resultaed with distored MPS pulse, the PSE may decide what action to take (to maintain									e PD
result of PSE dv/dt." SuggestedRemedy	esultaed with distored				Suggested	dRemedy				
2. Add "Editor Note: To address what are the requirements from PSE, PD and compliance tests when PD short MPS pulse is falsely added or disappears during PSE dv/dt event." Delete "Autoclass" from "optional capabilities" column in line 37 and line 41 for PD Typ and 4 dual signature rows.	resultaed with distored power or disconnect)if result of PSE dv/dt."	o address what are the red			Delete	e "Autoclass" fro		nn in line 37 and	l line 41 for PD Typ	oes 3
roposed Response Response Status W Proposed Response Response Status W	resultaed with distored power or disconnect)if result of PSE dv/dt." 2. Add "Editor Note: T rests when PD short N	IPS pulse is falsely added			6.10 T	0				
TFTD PROPOSED ACCEPT.	resultaed with distored power or disconnect)if result of PSE dv/dt." 2. Add "Editor Note: T rests when PD short N	IPS pulse is falsely added			Proposed	Response	Response Status M			

33         SC 33.3.3.2         P 121         L 23         # 268           ia, Christian         STMicroelectronics         # 268	C/ 33 SC 33.3.3.4 Beia, Christian	P 123 STMicroelectr	L 10 onics	# 270
mment Type T Comment Status D PD SD	Comment Type T Commen	nt Status D		PD SD
The Type1 and Type 2 constants are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31.	The Type1 and Type 2 timers are o figure 33-31.	only relevant to th	ne Type 1 and Ty	/pe 2 state diagrams in
ggestedRemedy	SuggestedRemedy			
replace: The PD state diagram uses the following constants:	Add after the first paragraph the foll The Type 1 and Type 2 PD state dia to figure 33-31:			which are only relevant
with: The Type 1 and Type 2 PD state diagram uses the following constants, which are only relevant to figure 33-31:	Proposed Response Response PROPOSED ACCEPT IN PRINCIP	e S <i>tatus</i> <b>W</b> PLE.		
pposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	OBE by 102			
FROFOSED AGGEFT IN FRINGIPLE.	C/ 33 SC 33.3.3.4	P 123	L 13	# 451
OBE by 102	Yseboodt, Lennart	Philips		
	Comment Type E Commen	nt Status D		PD SD
<b>33</b> SC <b>33.3.3</b> P <b>121</b> L <b>34</b> # 269				
ia, Christian STMicroelectronics <i>mment Type</i> <b>T</b> Comment Status <b>D</b> PD SD The Type1 and Type 2 variables are only relevant to the Type 1 and Type 2 state diagrams	See TDELAY_COMMENT first. "A timer used to prevent the Type 2 PSE's inrush period; see T delay in		g more than inru	sh current during the
ia, Christian STMicroelectronics mment Type T Comment Status D PD SD The Type1 and Type 2 variables are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. ggestedRemedy replace:	See TDELAY_COMMENT first. "A timer used to prevent the Type 2 PSE's inrush period; see T delay in SuggestedRemedy Change Tdelay to Tdelay-2P Proposed Response Response		g more than inru	sh current during the
ia, Christian STMicroelectronics mment Type T Comment Status D PD SD The Type1 and Type 2 variables are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. ggestedRemedy	See TDELAY_COMMENT first. "A timer used to prevent the Type 2 PSE's inrush period; see T delay in SuggestedRemedy Change Tdelay to Tdelay-2P Proposed Response Response PROPOSED ACCEPT.	n Table 33-28." ∋ Status W	-	
ia, Christian STMicroelectronics mment Type T Comment Status D PD SD The Type 1 and Type 2 variables are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. ggestedRemedy replace: The PD state diagram uses the following variables: with: The Type 1 and Type 2 PD state diagram uses the following variables, which are only	See TDELAY_COMMENT first. "A timer used to prevent the Type 2 PSE's inrush period; see T delay in SuggestedRemedy Change Tdelay to Tdelay-2P Proposed Response Response	n Table 33-28."	g more than inrus	sh current during the
ia, Christian STMicroelectronics mment Type T Comment Status D PD SD The Type1 and Type 2 variables are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. ggestedRemedy replace: The PD state diagram uses the following variables: with: The Type 1 and Type 2 PD state diagram uses the following variables, which are only relevant to figure 33-31:	See TDELAY_COMMENT first. "A timer used to prevent the Type 2 PSE's inrush period; see T delay in SuggestedRemedy Change Tdelay to Tdelay-2P Proposed Response Response PROPOSED ACCEPT. C/ 33 SC 33.3.3.5 Yseboodt, Lennart Comment Type E Commen	n Table 33-28." e Status W P <b>124</b> Philips nt Status <b>D</b>	L 54	# [ <u>452</u> PD SD
ia, Christian STMicroelectronics mment Type T Comment Status D PD SD The Type 1 and Type 2 variables are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. ggestedRemedy replace: The PD state diagram uses the following variables: with: The Type 1 and Type 2 PD state diagram uses the following variables, which are only	See TDELAY_COMMENT first. "A timer used to prevent the Type 2 PSE's inrush period; see T delay in SuggestedRemedy Change Tdelay to Tdelay-2P Proposed Response Response PROPOSED ACCEPT. C/ 33 SC 33.3.3.5 Yseboodt, Lennart	n Table 33-28." e Status W P <b>124</b> Philips nt Status <b>D</b>	L 54	# [ <u>452</u> PD SD
ia, Christian STMicroelectronics  mment Type T Comment Status D PD SD The Type 1 and Type 2 variables are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned.  ggestedRemedy replace: The PD state diagram uses the following variables:  with: The Type 1 and Type 2 PD state diagram uses the following variables, which are only relevant to figure 33-31:  poposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	See TDELAY_COMMENT first. "A timer used to prevent the Type 2 PSE's inrush period; see T delay in SuggestedRemedy Change Tdelay to Tdelay-2P Proposed Response Response PROPOSED ACCEPT. C/ 33 SC 33.3.3.5 Yseboodt, Lennart Comment Type E Commen	n Table 33-28." e Status W P <b>124</b> Philips nt Status <b>D</b>	L 54	# [452 PD SL
ia, Christian STMicroelectronics  mment Type T Comment Status D PD SD The Type 1 and Type 2 variables are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned.  ggestedRemedy replace: The PD state diagram uses the following variables:  with: The Type 1 and Type 2 PD state diagram uses the following variables, which are only relevant to figure 33-31:  poposed Response Response Status W	See TDELAY_COMMENT first. "A timer used to prevent the Type 2 PSE's inrush period; see T delay in SuggestedRemedy Change Tdelay to Tdelay-2P Proposed Response Response PROPOSED ACCEPT. CI 33 SC 33.3.3.5 Yseboodt, Lennart Comment Type E Commen We used to have two notes below F	P 124 P 124 Philips of Status D Figure 33-31 (the Figure 33-31: reates a defined to edly."	<i>L</i> <b>54</b> Type 1/2 PD sta pehavior for a Typ PD to respond wit	# 452 PD SL ate diagram). pe 2 PD that is brought th a valid classification

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 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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Cl 33 SC 33.3.6 P 125 L 3 # 271	C/ 33 SC 33.3.7 P 127 L 11 # 296
Beia, Christian STMicroelectronics	Schindler, Fred Seen Simply, Broadco
Comment Type T Comment Status D PD SD	Comment Type TR Comment Status D PD SE
The Type 3 and Type4 single-signature constants are only relevant to the Type 3 and Type 4 state diagram in figure 33-32.	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
SuggestedRemedy	and should be removed.
replace: The PD state diagram uses the following constants:	SuggestedRemedy Delete pse_dll_power_level definitions on pages 127 and 181.
with: The Type 3 and Type 4 single-signature PD state diagram uses the following constants, which are only relevant to figure 33-32:	Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W	Cl 33 SC 33.3.8 P127 L 29 # 273
PROPOSED ACCEPT IN PRINCIPLE.	Beia, Christian STMicroelectronics
	Comment Type T Comment Status D PD SE
OBE by 102	The Type 3 and Type4 single-signature timers are only relevant to the Type 3 and Type 4
Cl 33         SC 33.3.3.7         P 125         L 25         # 272           Beia, Christian         STMicroelectronics	state diagram in figure 33-32. Timers with the same name but different definition may be defined for other state diagrams, so the reader should be warned.
	SuggestedRemedy
Comment Type T Comment Status D PD SD	Add after the first paragraph the following sentence:
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may	The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32:
be defined for other state diagrams, so the reader should be warned.	Proposed Response Response Status W
SuggestedRemedy	PROPOSED ACCEPT IN PRINCIPLE.
replace: The PD state diagram uses the following variables:	OBE by 102
with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables, which are only relevant to figures 33-32:	
Proposed Response Response Status W	
PROPOSED ACCEPT IN PRINCIPLE.	
OBE by 102	

Pa **127** Li **29** 

C/ <b>33</b> SC <b>33.3.3.8</b> Stover, David	P <b>127</b> Linear Techno	L 37	# 517	C/ 33 SC 33.3.3. Beia, Christian	9 P 127 STMicroelect	L 43 ronics	# 274
Comment Type TR	Comment Status D		PD SD	Comment Type T	Comment Status D		PD SI
	.8.3 clarify PD input inrush r Ipdated to match these clari		efinition of	The Type 3 and Type 4 state diagrams in f	e4 single-signature functions a gure 33-32.	re only relevant t	o the Type 3 and Type
SuggestedRemedy				SuggestedRemedy			
4 PDs from drawing mo	werdly_timer as follows: "A re than I_Inrush_PD and I_Ir I T_delay-2P in Table 33-28	nrush_PD-2P d			of 33.3.3.9 the following sente e 4 single-signature PD state d int to figure 33-32:		following functions,
Proposed Response PROPOSED ACCEPT I	Response Status W N PRINCIPLE.			Proposed Response PROPOSED ACCEF	Response Status W PT IN PRINCIPLE.		
	werdly_timer as follows: "A			OBE by 102			
4 PDs from drawing mot period; See T_delay-2P	e than I_Inrush_PD and I_Ir in Table 33-28.	hrush_PD-2P di	uring the PSE's inrush	C/ 33 SC 33.3.3.		<i>L</i> 1	# 454
CI 33 SC 33.3.3.8	P 127	L <b>39</b>	# 453	Yseboodt, Lennart	Philips		
Yseboodt, Lennart	Philips			Comment Type <b>T</b>	Comment Status X		Pres: Yseboodt
Comment Type E	Comment Status D		PD SD		ication is mismatched betweer ad accurate inrush text in 33.3.		
See TDELAY_COMMEN	NT first.			SuggestedRemedy			
"A timer used to preven	Type 3 PDs from drawing n	nore than Type	1 power and Type 4	Adopt yseboodt_03_	0916_pdinrushsd.pdf		
PDs from drawing more	than Class 2 power during t			Proposed Response	Response Status W		
and T delay-2P in Table	33-28.			TFTD			
SuggestedRemedy Change Tdelay to Tdela	v-2P			WFP			
Proposed Response	Response Status W						
PROPOSED ACCEPT I	,						
OBE by 517							

Pa **129** Li **1** 

Darshan, Yair       Microsemi       F         Comment Type       TR       Comment Status X       Pres: Darshan12       C         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         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.       S         The pse_dll_power_type is used in the PD power control state diagram (LLDP) Figure 33-50.       S         So far all is good.       Single Signature PD Type 3/4 state machine:       F         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       C	I 33 SC 33.3.3 icard, Jean icard, Jean icomment Type TR The PD behavior du 33.3.8.3. For examp PClass_PD and PP TInrush-2P min. An behavior as defined uggestedRemedy Add an editor's note iroposed Response TFTD WFP	C luring inru nple, Sing Peak_PD nother ex d in 33.2. te to revie	Comment Status X ush is not fully desc le-signature PDs a within cample is that it has .8.5.	nstruments ( cribed in the sta assigned to Clas s to meet inrush agram to cover i	F ate diagram, refe ss 1, 2, or 3 sha h requirements v	all conform to with the PSE
Comment Type       TR       Comment Status       Pres: Darshan12       Comment Status       Pres: Darshan12       Comment Status       Comment Status       Comment Status       Comment Status       Pres: Darshan12       Comment Status       Comment Stat	omment Type TR The PD behavior du 33.3.8.3. For examp PClass_PD and PP TInrush-2P min. An behavior as defined uggestedRemedy Add an editor's note roposed Response TFTD	luring inrupple, Sing Peak_PD nother ex d in 33.2.	Comment Status X ush is not fully desc gle-signature PDs a within cample is that it has .8.5. ew the PD state dia	Cribed in the state assigned to Classics to meet inrushing agram to cover it is a state and the state agram to cover it is a state agram.	ate diagram, refe ss 1, 2, or 3 sha h requirements v	erring to all conform to with the PSE
The subject is: Figure 33-32 (PD single signature state diagram), dll_power_type, dll_power_level and the synch with Figure 33-50 which is currently is good only for Type 1 and Type 2. Background: PD Type 1/2 state machine: In page 122 line 45 we have a definition for pse_dll_power_type that is used in PD Type 1 and 2 state machine in page 124 line 30 at the exit from MDI_PWR1. The pse_dll_power_type is used in the PD power control state diagram (LLDP) Figure 33- 50. So far all is good. Single Signature PD Type 3/4 state machine: In page 127 line 11 we have a definition for pse_dll_power_level that should be used in the single-signature PD Type 3 and 4 state machine on page 129 line 11 at the exit from MDI_PWR1 but instead there is pse_dll_power_type there as was in Type 1/2 PD state machine.	The PD behavior du 33.3.8.3. For examp PClass_PD and PP TInrush-2P min. An behavior as defined uggestedRemedy Add an editor's note roposed Response TFTD	luring inrupple, Sing Peak_PD nother ex d in 33.2.	ush is not fully desc le-signature PDs a within cample is that it has .8.5. ew the PD state dia	cribed in the sta assigned to Clas s to meet inrush agram to cover i	ate diagram, refe ss 1, 2, or 3 sha h requirements v	erring to all conform to with the PSE
dll_power_level and the synch with Figure 33-50 which is currently is good only for Type 1         and Type 2.         Background:         PD Type 1/2 state machine:         In page 122 line 45 we have a definition for pse_dll_power_type that is used in PD Type 1         and 2 state machine in page 124 line 30 at the exit from MDI_PWR1.         The pse_dll_power_type is used in the PD power control state diagram (LLDP) Figure 33-50.         So far all is good.         Single Signature PD Type 3/4 state machine:         In page 127 line 11 we have a definition for pse_dll_power_level that should be used in the single-signature PD Type 3 and 4 state machine on page 129 line 11 at the exit from MDI_PWR1 but instead there is pse_dll_power_type there as was in Type 1/2 PD state machine.	33.3.8.3. For examp PClass_PD and PP TInrush-2P min. An behavior as defined uggestedRemedy Add an editor's note roposed Response TFTD	pple, Sing Peak_PD nother ex d in 33.2. te to revie	gle-signature PDs a ) within cample is that it has .8.5. ew the PD state dia	assigned to Clas s to meet inrush agram to cover i	ss 1, 2, or 3 sha h requirements v	all conform to with the PSE
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.       F         Single Signature PD Type 3/4 state machine:       F         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.	Add an editor's note roposed Response TFTD			•	inrush behavior.	
50.       So far all is good.         Single Signature PD Type 3/4 state machine:       In page 127 line 11 we have a definition for pse_dll_power_level that should be used in the single-signature PD Type 3 and 4 state machine on page 129 line 11 at the exit from MDI_PWR1 but instead there is pse_dll_power_type there as was in Type 1/2 PD state machine.	roposed Response TFTD			•	inrush behavior.	·.
So far all is good. Single Signature PD Type 3/4 state machine: In page 127 line 11 we have a definition for pse_dll_power_level that should be used in the single-signature PD Type 3 and 4 state machine on page 129 line 11 at the exit from MDI_PWR1 but instead there is pse_dll_power_type there as was in Type 1/2 PD state machine.	TFTD	Re	esponse Status V	N		
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.	WFP					
MDI_PWR1 but instead there is pse_dll_power_type there as was in Type 1/2 PD state Y machine.						
The page dll power type is required in the PD power central state diagram (LLDR) Figure	/ 33 SC 33.3.3 seboodt, Lennart	3.10	P <b>129</b> Philips	) L 45	5 #	455
33-50 but is not defined in the variable list (what is defined is only pse_dll_power_level.	omment Type E "NOTE 1DO_CLA 4 PD that is brought	ASS_EVE		fined behavior f		<i>Editoria</i> pe 3 and Type
<ol> <li>For Type 3 and 4 single-signature PD: It needs to be pse_dll_power_level and not pse_dll_power_type.</li> <li>Type 3 and 4 single-signature PD state diagram and variable list should be sync with</li> </ol>	This note is attache to Type 2.	ed to the	new state diagram	n for Type 3/4 a	nd as such no lo	onger applies
Figure 33-50 that historically needs pse_dll_power_Type only for Type 1 and 2.	uggestedRemedy					
3. We need figure 33-50 to work with Legacy and new single-signature PDs. SuggestedRemedy	"NOTE 1DO_CLASS_EVENT6 creates a defined behavior for a Type 3 or Type 4 PD th is brought into the classification range repeatedly."					
Adopt darshan_12_0916.pdf if available for the meeting. If not,	roposed Response	Re	esponse Status V	N		
To add Editor Note to page 129: "Editor Note: (1) To make changes in Figure 33-50 so it can work with Type 1 and 2 by using the existing variables in Figure 33-50 and work with dll_power_level when it is Type 3 and Type 4 PDs. (2) Type 3 and 4 single-signature PD state diagram and variable list should be sync with Figure 33-50."	PROPOSED ACCE	EPT.				
Proposed Response Response Status W						
TFTD						
WFP						

See 296

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 **129** Li **45** 

Cl 33         SC 33.3.3.11         P 129         L 51         # 275           Beia, Christian         STMicroelectronics	C/ 33         SC 33.3.3.12         P 130         L 24           Darshan, Yair         Microsemi	# 251
Comment Type         T         Comment Status         D         PD SD           The Type 3 and Type4 dual-signature constants are only relevant to the state diagrams in figures 33-33 and 33-34.         PD SD         PD SD	Comment Type <b>TR</b> Comment Status <b>D</b> (This comment corrects similiar comment with error in the file name used f remedy.)	Pres: Darshan9 for the proposed
SuggestedRemedy Replace the introduction of 33.3.3.11 with the following: The Type 3 and Type 4 dual-signature PD state diagrams uses the following constants, which are only relevant to figures 33-33 and 33-34: Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 102	<ul> <li>Dual-signature state machine need to be updated to support DLL.</li> <li>See darshan_09_0916.pdf.</li> <li>SuggestedRemedy</li> <li>See darshan_09_0916.pdf for proposed remedy.</li> <li>Proposed Response Response Status W</li> <li>TFTD</li> </ul>	
Cl 33       SC 33.3.3.12       P 130       L 24       # 227         Darshan, Yair       Microsemi       Microsemi         Comment Type       TR       Comment Status       D       Withdrawn         Dual-signature state machine need to be updated to support DLL. See darshan_09_0916.pdf.       Withdrawn       See darshan_05_0916.pdf         SuggestedRemedy       See darshan_05_0916.pdf for proposed remedy.       Proposed Response       Response Status       Z         PROPOSED REJECT.       This comment was WITHDRAWN by the commenter.       OBE by 251       OBE by 251	WFP         Cl 33       SC 33.3.12       P 130       L 26         Beia, Christian       STMicroelectronics         Comment Type       T       Comment Status       D         The Type 3 and Type4 dual-signature variables are only relevant to the statigures 33-33 and 33-34.       SuggestedRemedy         Replace the introduction of 33.3.3.12 with the following:       The Type 3 and Type 4 dual-signature PD state diagrams uses the following which are only relevant to figures 33-33 and 33-34:         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       OBE by 102	U U

Pa **130** Li **26** 

C/ 33 SC 33.3.3.12 Yseboodt, Lennart	P <b>130</b> Philips	L <b>44</b>	# 456		C/ <b>33</b> Yseboodt, I	SC 33.3.3.12 Lennart	2 P 1 Philip	<b>32</b> 05	L <b>40</b>	# 458
Comment Type TR	Comment Status D			PD SD	Comment	Гуре Т	Comment Status	D		PD SI
pd_dll_enabled_modeB.	L can only be enabled or d				Contro invalio regardl valid:/	d:A non-valid PI ess of any volta A valid PD dete	eB: e detection signature D detection signature ge above V Reset a ction signature is to b any voltage above V	is to be ap oplied to Mo be applied t	plied to the lin ode B. to the link over	nk over Mode B r each pairset over
	_ of pd_dll_enabled_modeA a	nd pd_dll_enal	oled_modeB to				ur for dual-sig PDs is differing details.	already de	efined in 33.3.4	4. These descriptions
Proposed Response	Response Status W				Suggested	Remedy				
PROPOSED ACCEPT.						t_det_sig_mode				
TFTD (needs review)						A valid PD dete	D detection signature ction signature is to b			
C/ 33 SC 33.3.3.12	P <b>132</b>	L <b>32</b>	# 457		Proposed F		Response Status	w		
Yseboodt, Lennart	Philips					•	IN PRINCIPLE.	vv		
invalid:A non-valid PD regardless of any voltag valid:A valid PD detecti Mode A regardless of ar	detection signature (see 33. detection signature is to be e above V Reset applied to ion signature is to be applied by voltage above V Reset ap for dual-sig PDs is already	applied to the I Mode B. d to the link over pplied to Mode	ink over Mode A er each pairset o B.	ver	invalio	t_det_sig_mode d:A non-valid PI	eB: D detection signature ction signature is to b			
SuggestedRemedy	inering detailer									
present_det_sig_modeA invalid:A non-valid PD	: detection signature is to be ion signature is to be applied	applied to the I d to the link ove	ink over Mode A. er each pairset o	ver						
Proposed Response	Response Status W									
PROPOSED ACCEPT I	N PRINCIPLE.									
Replace with:										
	: detection signature is to be ion signature is to be applie									

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

Pa 132 Li **40** 

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PD SD

C/ 33         SC 33.3.3.12         P 133         L 44         # 278           Beia, Christian         STMicroelectronics         STMicroelectronics	C/ 33         SC 33.3.13         P 133         L 51         # 277           Beia, Christian         STMicroelectronics
Comment Type E Comment Status D Editorial	Comment Type T Comment Status D PD SD
VPD_ModeA may be defined better	The Type 3 and Type4 dual-signature timers are only relevant to the Type 3 and Type 4 state diagrams in figure 33, 32 and 32, 34
SuggestedRemedy	state diagrams in figure 33-33 and 33-34 <i>SuggestedRemedy</i>
Replace: Voltage at the PD PI as defined in 1.4.425 over Mode A with	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:
Voltage at the PD PI as defined in 1.4.425 where the powered pair belongs to Mode A	Proposed Response Response Status W
	PROPOSED ACCEPT IN PRINCIPLE.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	OBE by 102
Replace: Voltage at the PD PI as defined in 1.4.425 over Mode A	C/ 33         SC 33.3.3.14         P 134         L 10         # 280           Beia, Christian         STMicroelectronics
with	Comment Type T Comment Status D PD SD
Voltage at the PD PI as defined in 1.4.425 where the powered pairs belong to Mode A	The Type 3 and Type4 dual-signature functions are only relevant to the Type 3 and Type 4 state diagrams in figure 33-32.
Cl 33         SC 33.3.3.12         P 133         L 46         # 279           Beia, Christian         STMicroelectronics         STMicroelectronics         Entropy 10	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,
Comment Type     E     Comment Status     D     Editorial       VPD_ModeB may be defined better	which are only relevant to figures 33-33 and 33-34: Proposed Response Response Status W
SuggestedRemedy	PROPOSED ACCEPT IN PRINCIPLE.
Replace: Voltage at the PD PI as defined in 1.4.425 over Mode B	OBE by 102
with	C/ 33 SC 33.3.14 P134 L15 # 459
Voltage at the DD DL as defined in 1.4.425 where the neward pair belongs to Made P	Yseboodt, Lennart Philips
Voltage at the PD PI as defined in 1.4.425 where the powered pair belongs to Mode B Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	Comment Type     E     Comment Status     D     PD SD       do_class_timing_modeA returns variable "short_mps".     This needs to be handled on a per pairset basis.
Replace: Voltage at the PD PI as defined in 1.4.425 over Mode B	SuggestedRemedy Rename "short_mps" to "short_mps_modeA" and rename where needed in the state diagram.
with	Proposed Response Response Status W
Voltage at the PD PI as defined in 1.4.425 where the powered pairs belong to Mode B	PROPOSED ACCEPT.
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/g	

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn Li 15 8/31/2016 3:49:36 PM SORT ORDER: Page, Line

C/ 33 SC 33.3.3.14 Yseboodt, Lennart	P <b>134</b> Philips	L <b>20</b>	# 358	Cl 33 SC 33.3.3. Schindler, Fred	-	L <b>5</b> nply, Broadco	# 297
	•			,			
do_class_timing_modeB returns va This needs to be handled on a per SuggestedRemedy Rename "short_mps" to "short_mps diagram.	pairset basis.		PD SD	signature SD, which versions. For exam should be "pse_dll_r "pse_power_type >	Comment Status X tate diagram (SD), Figures will make it more likely that ble, state MDI_POWER1_r power_type > 1", and state 1". No differentiation for A power. Many DS SD need to	s 33-33 and 33-24, s at one DLL SD can b modeA, "pse_dll_pov DLL_ENABLE_mod and B is required if f	e used for both PSE wer_level_modeA > 1" leA, should be the power negotiated is
PROPOSED ACCEPT.				SuggestedRemedy			
VPD should refer to ModeA	P 135 Texas Instrume at Status D	L 5 ents	# 29 PD SD	Figure 33-33 and for figures, and on line this section and bett the Editor's note. Th	hanges made in the comm Figure 33-34 where X = A I of each figure add, "Edito er tie this information to se is comment is related to ot be considered satisfied ur t made.	or B; remove all " or's Note: readers are ction 33.6 DLL." Alte her comments mark	modeX" in these e encouraged to improve ernatively, only provide ed COMMENT-4. This
SuggestedRemedy				Proposed Response	Response Status W	1	
Replace every occurrence of VPD	—			TFTD			
Proposed Response Response PROPOSED ACCEPT IN PRINCIP	e <i>Status</i> <b>W</b> PLE.			(needs review)			
Suggest Remedy applies to all of p	age 135.			See PD_DS_DLL			
C/ 33 SC 33.3.3.15 Beia, Christian	P 135 STMicroelectro	L <b>13</b> inics	# 281	Cl 33 SC 33.3.3. Beia, Christian		L <b>25</b> electronics	# 282
Comment Type ER Commen	t Status D		PD SD	Comment Type ER	Comment Status X		PD SL
Figure 33-33 VPD is not defined for dual signature PD				Figure 33-33 pd_dll_enabled is not defined for dual signature PD			
SuggestedRemedy				SuggestedRemedy			
Change: "VPD" to: "VPD_modeA"				Change: "!pd_dll_enabled" and "pd_dll_enabled"			
Proposed Response Response	e Status W			respectively to: "!pd_dll_enabled_m	odeA"		
PROPOSED ACCEPT IN PRINCIP	PLE.			and "pd_dll_enabled_mo			
OBE by 29				Proposed Response	Response Status W	1	
				TFTD			
				See PD_DS_DLL			
TYPE: TR/technical required ER/editor							

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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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C/ 33 SC 33.3.3.15 Yseboodt, Lennart	P <b>136</b> Philips	L <b>35</b>	# 359	Cl <b>33</b> SC Beia, Christian	33.3.3.15	P <b>138</b> STMicroelecti	L <b>25</b> ronics	# 284
	Comment Status X agram has states DLL_ENA L is mandatory for dual-sig			Comment Type Figure 33-34 pd_dll_enab		Comment Status X		PD SE
- Add statement "pd_dll_	NABLE_modeA and DLL_E _enabled <= TRUE" to the N _enabled <= TRUE" to the N <i>Response Status</i> W	/IDI_POWER1_	modeA state	SuggestedReme Change: "!pd_dll_ena and "pd_dll_enat respectively "!pd_dll_enat "pd_dll_enat	abled" bled" to: abled_mode			
C/ 33 SC 33.3.3.15 Picard, Jean Comment Type TR	P 137 Texas Instrum Comment Status D	L 5 nents	# 30 PD SD	Proposed Respo TFTD See PD DS		Response Status W		
VPD should refer to Mod SuggestedRemedy Replace every occurren Proposed Response PROPOSED ACCEPT I Suggest remedy applies	ce of VPD with VPD_modeE Response Status W N PRINCIPLE.	3.		Yseboodt, Lenna <i>Comment Type</i> "A PD prese the PI, but is	E ents a valid s not power	P 138 Philips Comment Status D detection signature while it is red via the PI per Figure 33-3 ed to add references to the o	2."	
Cl 33 SC 33.3.15 Beia, Christian Comment Type ER Figure 33-34 VPD not defined for dua SuggestedRemedy Change: "VPD" to: "VPD" to: "VPD_modeB" Proposed Response PROPOSED ACCEPT I	Response Status W	L 11 ronics	# 283 PD SD	What is "a s mdi_power_ If so this sta - not require - not possibl - not allowed SuggestedReme "A PD prese	tate where required. Itement is v to do valid to do valid d to do valid edy ents a valid -31, Figure onse	it accepts power via the PI" 1 vrong: id detect when in IDLE id detect when in CLASS d detect when in MARK detection signature when it is 33-32, Figure 33-33, Figure <i>Response Status</i> <b>W</b>	? I can only images the DO_DETE	gine this being

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/ 33	SC 33.3.4	P 138	L <b>49</b>	# 361		CI 33	SC 33.3.4
Yseboodt,	Lennart	Philips				Yseboodt,	Lennart
not ac	presents a non-v	Comment Status <b>D</b> alid detection signature at the e PI per Figure 33-32." ther state diagrams and add				4PID i	<i>Type</i> <b>T</b> may indicate th in Table 79-6b o it is powered ov
where	presents a non-v	alid detection signature at the t power via the PI per Figure				we ha It is al	ast part of the se ve left out of sc so in direct con em b in 33.2.6.7
'	Response POSED ACCEPT.	Response Status W					<i>dRemedy</i> may indicate th in Table 79-6b."
<i>CI</i> <b>33</b> Yseboodt,	SC 33.3.4 Lennart	P <b>138</b> Philips	L <b>53</b>	# 362		Proposed	Response
event Missin	be 2, Type 3, or Ty state per Figure 3 ng figure ref.	Comment Status <b>D</b> ype 4 PD presents a non-valio 3-31, Figure 33-32, and Figu		gnature when in	<i>Edtiorial</i> a mark	I belie do this	POSED REJEC we the intent of s. Type 1 and T wre on one pair
	be 2, Type 3, or T	ype 4 PD presents a non-vali 33-31, Figure 33-32, Figure 33		,	a mark	<i>CI</i> <b>33</b> Jones, Ch	SC <b>33.3.4</b> ad
•	Response POSED ACCEPT.	Response Status W	-				<i>Type</i> <b>E</b> detection signat during the dete

C/ 33	SC 33.3.4	P 139	L <b>7</b>	# 363
Yseboodt, Ler	nnart	Philips		
Comment Typ	e T	Comment Status D		PD Detection

indicate the ability to accept power on both pairsets using TLV variable PD ble 79-6b or by presenting a valid detection signature on the unpowered pairset, owered over only one pairset."

rt of the sentence is a hint at Type 1 and Type 2 dual-signature PDs, something t out of scope.

direct conflict with the paragraph above it.

in 33.2.6.7, PSEs are allowed to power such a device on 4P.

indicate the ability to accept power on both pairsets using TLV variable PD ole 79-6b."

Response Status W onse

D REJECT.

e intent of the last part of the sentence is to include Type 3 and Type 4 PDs that pe 1 and Type 2 PDs are strictly forbidden from presenting a valid detection n one pairset when powered from the other pairset.

CI 33	SC 33.3.4	P 139	L 13	# 18
Jones, Cł	nad	Cisco		
Commen	t Type E	Comment Status D		PD Detection

ion signature is a resistance calculated from two voltage/current measurements ng the detection process". Didn't this used to say 'at least two measurements'?

SuggestedRemedy

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

Proposed Response Response Status W

PROPOSED REJECT.

No, it always said "two". The equation only uses two points.

TFTD

Pa 139 Li 13

C/ 33 SC 33.3.4 Yseboodt, Lennart	P <b>139</b> Philips	L <b>30</b>	# 364	C/ 33 SC 33.3.4 Yseboodt, Lennart	P <b>140</b> Philips	L 6	# 366
SuggestedRemedy	Comment Status <b>D</b> as an editing instruction. e 33-14 and 33-15 as follows:	n	Editorial	"Rdetect_invalid" in detection signature of	Comment Status <b>D</b> ainst D1.7 changed the Parame Fable 33-22. Tables 33-21 and consists of respectively. The ref the that same name in both table	33-22 show what ference to Rdete	at a valid and invalid
Proposed Response PROPOSED ACCEPT	Response Status W			SuggestedRemedy In Table 33-22, rena	me "Rdetect_invalid" to "Rdete	ct".	
C/ 33 SC 33.3.4 Jones, Chad	<i>P</i> <b>139</b> Cisco	L 31	# 19	Proposed Response PROPOSED ACCEF	Response Status W		
Comment Type <b>E</b> "while a PD that preser while a PD that PRESE	Comment Status D t the signature of Table 33–2	2 is assured to	<i>Editorial</i> fail detection"	C/ 33 SC 33.3.4 Yseboodt, Lennart	P <b>140</b> Philips	L 13	# 367
SuggestedRemedy change 'present' to 'pre Proposed Response PROPOSED ACCEPT	Response Status W			Comment Type T Figure 33-35 on 'Val SuggestedRemedy Replace by IPort-2P Proposed Response	Comment Status D d PD detection signature offset Response Status W	t' refers to IPort	<i>PD Detectior</i> [A] in the Y axis.
C/ 33 SC 33.3.4 /seboodt, Lennart Comment Type T	P <b>139</b> Philips Comment Status <b>D</b>	L <b>45</b>	# 365 PD Detection	PROPOSED ACCEF Cl 33 SC 33.3.5 Yseboodt, Lennart	PT. P <b>140</b> Philips	L <b>36</b>	# 368
containts a parameter	PD detection signature charac Voltage at the PI" with Condi ns only over 2P (right?), this s	tions "IPort = 12	24 uA".		Comment Status <b>D</b> ments for dual-signature are list ne draft this is reversed.	ted first, followe	<i>Editoria</i> d by single-signature.
SuggestedRemedy Change IPort to IPort-2		the PD PI"		SuggestedRemedy Put the paragraph or Proposed Response	n single-signature first. Response Status W		

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

C/ 33 SC 33.3.5 P 140	L <b>42</b>	# 369	C/ 33 SC	33.3.5	P <b>140</b>	L <b>45</b>	# 370
/seboodt, Lennart Philips			Yseboodt, Lenna	art	Philips		
Comment Type E Comment Status D		Editorial	Comment Type	TR	Comment Status D		PD Signature
Mode A regardless of any voltage applied to Mode     Mode B regardless of any voltage applied to Mode     Missing comma after 'Mode x'. SuggestedRemedy     "- Mode A, regardless"			voltage or c Mode A, wh Written this PD that mar creativity of	urrent is a en any vol way, the r nages to n implemen	D shall present a valid detection pplied to Mode B, and shall pre- ltage between 10.1V and 57V i equirement only holds for Mod neet this requirement on Mode tors should never be underesti	esent an invalid s applied to Mo e A. While it is A, but fails to c	detection signature on ode B." difficult to conceive a
Proposed Response Response Status W			SuggestedReme	•			
PROPOSED ACCEPT.           C/ 33         SC 33.3.5         P 140           Jones, Chad         Cisco	L <b>44</b>	# 20	when no vol detection sig	tage or cu gnature or	D shall present a valid detection rrrent is applied to the other Mode Mode A or Mode B, when any ode. These requirements apply	de, and shall p	resent an invalid en 10.1V and 57V is
Comment Type <b>TR</b> Comment Status <b>D</b> missing the converse of this sentence: "A single-sig detection signature on Mode A, when no voltage or present an invalid detection signature on Mode A, w 57V is applied to Mode B."	current is applied	d to Mode B, and shall	"A single-sig voltage or c	D ACCEPT gnature PE urrent is a	Response Status W F IN PRINCIPLE. O shall present a valid detection pplied to the other Mode, and s	shall present ar	n invalid detection
SuggestedRemedy add this sentence: "A single-signature PD shall pres			Mode. Thes		e when any voltage between 1 nents apply to both Mode A an P 140		# 518
Mode B, when no voltage or current is applied to Mo detection signature on Mode B, when any voltage b Mode A."			Stover, David	т	Linear Techno		PD Signature
Proposed Response Response Status W				-	uirements for single-signature	PDs are specif	0
PROPOSED ACCEPT IN PRINCIPLE.			SuggestedReme	∋dy			
OBE by 370			signature PI applied to M	D shall pre lode A, an	text to "A single-signature PD s esent a valid detection signatur d shall present an invalid detect v and 57V is applied to Mode A	e on Mode B, w ction signature	when no voltage is
			Proposed Respo	onse	Response Status W		
			PROPOSE	D ACCEPT	T IN PRINCIPLE.		
			OBE by 370				

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

C/ 33 SC 33.3. Yseboodt, Lennart	5 P 140 Philips	L <b>48</b>	# 371	C/ <b>33</b> Yseboodt,	SC <b>33.3.6</b> , Lennart	P ' Philip		L <b>21</b>	# 373
	Comment Status D 5.5 on PD signature we list the tw	o requirements f	<i>Editorial</i> or single and dual sig		all conform to	<i>Comment Status</i> Type 1 PD power restri	ctions and s		
	oh: nts allow the PD to be correctly id as defined in 33.2.6.1." <i>Response Status</i> <b>W</b> EPT.	dentified by a PS	E performing # <u>372</u>	The 'a - unte - out Suggester " sh Proposed PROF	active indicatio estable of scope for an <i>dRemedy</i> all conform to <i>Response</i> POSED REJEC	n interoperability standa Type 1 PD power restri <i>Response Status</i>	ard ctions." W		·
Comment Type E	Comment Status D	fication of the PC	) is the maximum power	TFTD					· · · · · · · · · · · · · · · · · · ·
	ype 4 PD shall draw across all in			<i>Cl</i> <b>33</b> Beia, Chri	SC 33.3.6 stian		141 icroelectron	L <b>42</b> ics	# 285
Clunky. modes.				Comment		Comment Status	D		Editoria
	sed by the PD during Physical L 3 or Type 4 PD shall draw."	ayer classificatio	n is the maximum	In ado classi	fication signate	detection signature, P ure as specified in Tabl ssifications, not only to	e 33-23		
Proposed Response PROPOSED ACC	Response Status W			Suggester Move In add classi	<i>dRemedy</i> the following dition to a valid fication signati	sentence to the end of detection signature, P ure as specified in Tabl	paragraph 3 Ds shall pro e 33-23.	33.3.6:	
				Proposed	Response	Response Status	W		

PROPOSED ACCEPT.

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

C/ 33 SC 33.3.6.2 Stover, David	P <b>142</b> Linear Techn	L <b>43</b> oloav	# 519	Cl 33 Schindler,	SC <b>33.3.</b> Fred	5.2	P <b>143</b> Seen Simply	L <b>18</b> . Broadco	# 300	
Comment Type T	Comment Status X	0.099	PDClass	Comment		Cor	nment Status D	, 2.00000		PD Powe
For Class 8 PDs, P_C calculated by Equatio (min), R_Chan (max) SuggestedRemedy	Class as defined in Table 33-1 n 33-2. Specifically, P_Class and P_Class_PD (min).	in 33-2 is ~89.5 <sup>1</sup>	h P_Class as W with V_Port_PSE	Variab Type 3 33–28 the lev comm	le pse_powe and Type 4 for rel defined in ents marked	r_level is n PDs shall the pse_po	ot defined for Type-2 conform to the electri	cal requirement	ting sentence is s as defined by <sup>-</sup>	"Type 2, Table
71.3W.				Suggestea	Type 2, ".					
Proposed Response	Response Status W					Dee				
TFTD				Proposed	Response OSED ACCE	'	ponse Status W			
It was 71.3W at one p to going back to 71.3	ooint and we decided to just rc N?	ound it off to 71V		CI 33	SC 33.3.		P 143	L 29	# 298	
C/ 33 SC 33.3.6.2		L 1	# 520	Schindler,			Seen Simply	, Broadco		
Stover, David	Linear Techn	ology		Comment	51		<i>mment Status</i> <b>D</b> implement short			Editoria
V_Port_PSE (min), R SuggestedRemedy	d by Equation 33-2. Specifical _Chan (max), and P_Class_P ase P_Class_PD for dual-sign <i>Response Status</i> <b>W</b>	D (min).		short_ Proposed	ce the called- mps to"	Res	th, "If a PD chooses t	o implement sh	ort MPS, it may s	set
TFTD				C/ 33	SC 33.3.	5.2.1	P 144	L <b>3</b>	# 374	
C/ 33 SC 33.3.6.2	P 143	L <b>4</b>	# 299	Yseboodt,			Philips	-		
Schindler, Fred	Seen Simply,	Broadco		Comment	Туре Е	Cor	mment Status D			Editoria
Mode. The definitions Pclass_PD-2P rather SuggestedRemedy Replace Pclass_PD in	Comment Status <b>D</b> al-signature PDs that may hav s provide on page 148 line 20 than Pclass_PD.	e different powe also require tha		Figure Incom <i>Suggestea</i> "When Figure	33-32" plete Figure <i>IRemedy</i> the PD is pr 33-31, Figur	eference. esenting a e 33-32, Fi	mark event signature mark event signature gure 33-33, and Figu	e as shown in th	Ū	
Proposed Response PROPOSED ACCEP	Response Status W T.			Proposed PROP	Response OSED ACCE		oonse 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 8/3

Pa **144** 

Li **3** 

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CI 33 SC 33.3.6		L <b>23</b>	# 375	C/ 33	SC 33.3.7	P 145	L <b>1</b>	# 301
Yseboodt, Lennart	Philips			Schindler, Fr	ed	Seen Simply	y, Broadco	
Comment Type E	Comment Status D		Editorial	Comment Ty	pe TR	Comment Status X		Pres: Yseboodt4
"See Annex 33C for There is no such thi SuggestedRemedy Axe sentence. Proposed Response PROPOSED ACCE	Response Status W	s."		default v classifica successi classifica The PD state.". sentence signature	alue of pse_p ation has com ul Data Link L ation has com resets the pse This text only e. DLL does n e state diagram	pleted, the pse_power_level e_power_level to '1' when the applies to Type 3 and 4 PDs ot affect the variable and Ph ms may remove the append	essful Multiple-I is set to either 3 e PD enters the the first sent ysical layer alwang of _modeA co	Event Physical Layer 3, 4, 6, or 8. After a 3, 4, 6 or 8. DO_DETECTION ence contradicts the last ays sets it. Dual- or _modeB to
CI 33 SC 33.3.7	P 145	L <b>1</b>	# 376			t is better to address DS usin narked COMMENT-4 and C		ote. This comment is
Yseboodt, Lennart	Philips			SuggestedRo	emedy			
<ul> <li>It is only valid for T</li> <li>SuggestedRemedy</li> </ul>	Comment Status X Type identification has two pro ype 3 and Type 4, we lost the _0916_psetypeid.pdf		Pres: Yseboodt4	default v sentence pse_pow provides	alue of 3 for p e, "After a suc rer_level is se a related Edit	value of pse_power_level is use_power_level in the DO_t ccessful Data Link Layer class to either 3, 4, 6 or 8. " A co tor's Note. Strike the senten- ters the DO_DETECTION st	DETECTION sta sification has co mment marked ce "The PD rese	ate." Delete the ompleted, the COMMENT-4 already
Proposed Response	Response Status W			Proposed Re	sponse	Response Status W		
TFTD				TFTD				
WFP				WFP				
				C/ <b>33</b> Yseboodt, Le	SC 33.3.7	P <b>145</b> Philips	L <b>5</b>	# 377
				Comment Ty "The PD		Comment Status X e_power_level to '1' when the	e PD enters the	Pres: Yseboodt4 DO_DETECTION state."
				Wrong. S	Should be 3.			
				SuggestedRe	emedy			
						e_power_level to '3' when th boodt_04_0916_psetypeid.pd		DO_DETECTION state."
				Proposed Re	sponse	Response Status W		
				TFTD				

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

C/ <b>33</b> SC <b>33.3.7</b> Stover, David	P <b>145</b> Linear Techno	L <b>5</b> blogy	# 521	Cl 33 SC 33.3. Stover, David	В	P <b>146</b> Linear Techn	L <b>8</b> nology	# 522
state." False. The Type Type 2 PDs do not hav	Comment Status X e_power_level to '1' when the a 3 and Type 4 PD reset pse_ e a defined variable named p o (TFTD) why do we have two	_power_level to ose_power_type	3 in DO_DETECTION. e, which IS set to 1 in	Class 8. SuggestedRemedy	le-signature PD, (			PD Type
enters the DO_DETEC	e 1 and Type 2 PDs reset the TION state. Type 3 and Type e DO_DETECTION state."			Replace "All" in PE Proposed Response PROPOSED ACCI	Response	Status W	re PD, Class 0 to	5 6 with "1, 2, 3"
Proposed Response TFTD	Response Status W			C/ 33 SC 33.3. Stover, David	8	P <b>146</b> Linear Techn	L <b>25</b> nology	# 523
WFP				Comment Type ER PD Type column fo		t <i>Status</i> <b>D</b> entries in I_Inru	sh_PD-2P is inc	PD Pow orrect.
/ 33 SC 33.3.8	P 145	L 15	# 378	SuggestedRemedy				"3" (is 4); for "Dual-
seboodt, Lennart	Philips						class 1 to 4" with	
seboodt, Lennart comment Type <b>E</b>	Comment Status D	ole 33-28 is inco	<i>Editorial</i> onsistent.	Replace PD Type of signature PD, Clas Proposed Response PROPOSED ACCI	s 5" with "4" (is bl <i>Response</i>	lank). Status W	Jass 1 to 4" with	e (ie i), iei 200.
'seboodt, Lennart Comment Type E The fontsize of the add	Comment Status <b>D</b> itional information field in Tab eps reappearing.	ble 33-28 is inco		signature PD, Clas Proposed Response PROPOSED ACCI	s 5" with "4" (is bl <i>Response</i> EPT IN PRINCIPL column for "Dual-s	lank). <i>Status</i> <b>W</b> LE. signature PD, C		"3" (is 4); for "Dual-
seboodt, Lennart Comment Type E The fontsize of the add This damn problem kee CuggestedRemedy	Comment Status D itional information field in Tab eps reappearing. Response Status W	ole 33-28 is inco		signature PD, Clas Proposed Response PROPOSED ACCI Replace PD Type of signature PD, Clas Also, replace PD T	s 5" with "4" (is bl <i>Response</i> EPT IN PRINCIPL column for "Dual-s s 5" with "4" (is bl ype column for "S	lank). <i>Status</i> <b>W</b> LE. signature PD, C lank). Single-signature	Class 1 to 4" with	"3" (is 4); for "Dual- 8" with "4" (is 3, 4).
seboodt, Lennart omment Type E The fontsize of the add This damn problem kee uggestedRemedy Make font size correct. proposed Response PROPOSED ACCEPT.	Comment Status D itional information field in Tab eps reappearing. Response Status W P 145	ble 33-28 is inco <i>L</i> <b>41</b>		signature PD, Clas Proposed Response PROPOSED ACCI Replace PD Type of signature PD, Clas	s 5" with "4" (is bl <i>Response</i> EPT IN PRINCIPL column for "Dual-s s 5" with "4" (is bl ype column for "S	lank). <i>Status</i> <b>W</b> LE. signature PD, C lank).	Class 1 to 4" with	"3" (is 4); for "Dual-
seboodt, Lennart omment Type E The fontsize of the add This damn problem kee uggestedRemedy Make font size correct. roposed Response PROPOSED ACCEPT. 1 33 SC 33.3.8 seboodt, Lennart formment Type TR	Comment Status D itional information field in Tab eps reappearing. Response Status W	L 41	onsistent.	signature PD, Clas Proposed Response PROPOSED ACCI Replace PD Type of signature PD, Clas Also, replace PD T CI 33 SC 33.3.	s 5" with "4" (is bl Response EPT IN PRINCIPL column for "Dual-s s 5" with "4" (is bl ype column for "S B Comment	lank). Status W LE. signature PD, C lank). Single-signature P 146	Class 1 to 4" with PD, Class 7 to a	"3" (is 4); for "Dual- 8" with "4" (is 3, 4).
seboodt, Lennart comment Type E The fontsize of the add This damn problem kee uggestedRemedy Make font size correct. troposed Response PROPOSED ACCEPT. 33 SC 33.3.8 seboodt, Lennart comment Type TR Table 33-28 has an inc At Class 8 worst case w 1.841A.	Comment Status D itional information field in Tab eps reappearing. Response Status W P 145 Philips Comment Status D	L <b>41</b> bad. 5 * 71W = 74.55	# 379 PD Power	signature PD, Clas Proposed Response PROPOSED ACCI Replace PD Type of signature PD, Clas Also, replace PD T Cl 33 SC 33.3. Yseboodt, Lennart Comment Type T TDELAY_COMME In table 33-28 we fr	s 5" with "4" (is bl Response EPT IN PRINCIPL column for "Dual-s s 5" with "4" (is bl ype column for "S <b>B</b> Comment NT ave both Tdelay a 3.3.8.3 never uses	lank). <i>Status</i> <b>W</b> LE. signature PD, C lank). Single-signature <i>P</i> 146 Philips <i>Status</i> <b>D</b> and Tdelay-2P s Tdelay, and th	Class 1 to 4" with PD, Class 7 to a <i>L</i> <b>29</b> with the same vanis text is written	"3" (is 4); for "Dual- 8" with "4" (is 3, 4). # <u>380</u> PD Pow
seboodt, Lennart omment Type E The fontsize of the add This damn problem kee uggestedRemedy Make font size correct. roposed Response PROPOSED ACCEPT. <b>1 33</b> SC <b>33.3.8</b> seboodt, Lennart omment Type <b>TR</b> Table 33-28 has an inc At Class 8 worst case w 1.841A. The resulting PD voltag uggestedRemedy	Comment Status D itional information field in Tab eps reappearing. Response Status W P145 Philips Comment Status D orrect value for Type 4 overlow we have Pclass_pd-2P = 1.05 ge is 52 - 6.25 * 1.841 = 40.5	<i>L</i> <b>41</b> bad. 5 * 71W = 74.55 ∨	# 379 PD Power	signature PD, Clas Proposed Response PROPOSED ACCI Replace PD Type of signature PD, Class Also, replace PD T Cl 33 SC 33.3. Yseboodt, Lennart Comment Type T TDELAY_COMME In table 33-28 we f Since the text in 33 as dual signature, f SuggestedRemedy	s 5" with "4" (is bl Response EPT IN PRINCIPL column for "Dual-s s 5" with "4" (is bl ype column for "S <b>8</b> Comment NT ave both Tdelay a 3.3.8.3 never uses we don't really ne	lank). <i>Status</i> <b>W</b> LE. signature PD, C lank). Single-signature <i>P</i> 146 Philips <i>Status</i> <b>D</b> and Tdelay-2P s Tdelay, and th	Class 1 to 4" with PD, Class 7 to a <i>L</i> <b>29</b> with the same vanis text is written	"3" (is 4); for "Dual- 8" with "4" (is 3, 4). # <u>380</u> <i>PD Pow</i> alue of 80ms.
seboodt, Lennart comment Type E The fontsize of the add This damn problem kee uggestedRemedy Make font size correct. roposed Response PROPOSED ACCEPT. 3 3 SC 33.3.8 seboodt, Lennart comment Type TR Table 33-28 has an inc At Class 8 worst case w 1.841A. The resulting PD voltag uggestedRemedy	Comment Status D itional information field in Tab eps reappearing. Response Status W P145 Philips Comment Status D orrect value for Type 4 overlow we have Pclass_pd-2P = 1.05	<i>L</i> <b>41</b> bad. 5 * 71W = 74.55 ∨	# 379 PD Power	signature PD, Clas Proposed Response PROPOSED ACCI Replace PD Type of signature PD, Clas Also, replace PD T Cl 33 SC 33.3. Yseboodt, Lennart Comment Type T TDELAY_COMME In table 33-28 we h Since the text in 33 as dual signature, the second se	s 5" with "4" (is bl Response EPT IN PRINCIPL column for "Dual-s s 5" with "4" (is bl ype column for "S <b>B</b> Comment NT ave both Tdelay a 3.3.8.3 never uses we don't really ne 3-28, item 8 -28, item 9 (Tdela	lank). <i>Status</i> <b>W</b> LE. signature PD, C lank). Single-signature <i>P</i> <b>146</b> Philips <i>Status</i> <b>D</b> and Tdelay-2P s Tdelay, and the red the Tdelay p ay-2P), add info	Class 1 to 4" with PD, Class 7 to 8 <i>L</i> 29 with the same vanis text is written barameter.	"3" (is 4); for "Dual- 8" with "4" (is 3, 4). # <u>380</u> <i>PD Pow</i> alue of 80ms. to apply to both single

TTPE. TR/lechnical required ER/editonal required GR/gene	ra required Trechnical Ereditorial Grgeneral	ra 140	Fage of 01 124
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	Li <b>29</b>	8/31/2016 3:49:36 PM
SORT ORDER: Page, Line			

C/ 33 SC 33.3.8 Stover, David	P <b>146</b> Linear Techn	L <b>44</b> ology	# 524	Cl 33 SC 33.3.8. Bennett, Ken		L <b>37</b> chnologies, In	# 47
Comment Type <b>T</b> P_Peak_PD-2P (use	Comment Status X ed in section 33.3.8.5, which ret	erences this tab	<i>PD Power</i> le) is missing.	Comment Type <b>T</b> This section states:	Comment Status X		Extended Powe
SuggestedRemedy Define P_Peak_PD-	-2P (TFTD).			"the PD may consu PClass at the PSE P	ume greater than PClass_ I."	PD but shall not cor	nsume greater than
Proposed Response TFTD as requested	Response Status W				33-2 defines Pclass by Rcl D, it will by definition cause		
C/ 33 SC 33.3.8. Yseboodt, Lennart	.1 P 148 Philips	L 15	# 381	SuggestedRemedy Append the following	text to the end of the stat	tement:	
Comment Type <b>T</b>	Comment Status X PD at a voltage outside of V Por	t PD-2P is unde	PD SD	, where PClass is the PClass is the PClass value in table	ne lesser of: a) the PSEs F e 33-12."	PClass allocation; a	nd b) the overmargined
	ER1, until V PD falls below V R			Proposed Response	Response Status 🛛 🛚	v	
Name that see the second	the first state of the state of the de-			TFTD		-	
Now that we have the the state diagram.	nis text, we can do away with the	e inelegant MDI_	NOPOWER state in	Kan and Lannart to a	lign before meeting.		
•••	nove variable 'pd_undefined'			Ken and Lennan to a	light before meeting.		
- From 33.3.3.7 rem - From Figure 33-32 - From 33.3.3.12 rer - From Figure 33-33	nove variable 'pd_undefined' 2 remove state MDI_NOPOWEF move variables 'pd_undefined_r 3 remove state MDI_NOPOWEF 4 remove state MDI_NOPOWEF	modeA' and _mo R_modeA	deB	Ken and Lennart to a	ngn beiore meeting.		
- From Figure 33-32 - From 33.3.3.12 rer - From Figure 33-33	2 remove state MDI_NOPOWEF move variables 'pd_undefined_r 3 remove state MDI_NOPOWEF	modeA' and _mo R_modeA	deB	Ken and Lennart to a	ingri Delore meeting.		
- From 33.3.3.7 rem - From Figure 33.32 - From 33.3.3.12 rer - From Figure 33-33 - From Figure 33-34 Proposed Response TFTD	2 remove state MDI_NOPOWEF move variables 'pd_undefined_ 3 remove state MDI_NOPOWEF 4 remove state MDI_NOPOWEF Response Status W	modeA' and _mo R_modeA	deB # <u>382</u>	Ken and Lennart to a	ingri Delore meeting.		
- From 33.3.3.7 rem - From Figure 33.32 - From 33.3.3.12 rer - From Figure 33.33 - From Figure 33.34 - From Figure 33.34 Proposed Response TFTD C/ 33 SC 33.3.8	2 remove state MDI_NOPOWEF move variables 'pd_undefined_ 3 remove state MDI_NOPOWEF 4 remove state MDI_NOPOWEF Response Status W	nodeA' and _mo {_modeA {_modeB		Ken and Lennan to a	ingri Delore meeting.		
- From 33.3.3.7 rem - From Figure 33-32 - From 33.3.3.12 rer - From Figure 33-33 - From Figure 33-34 Proposed Response TFTD C/ 33 SC 33.3.8. (seboodt, Lennart	2 remove state MDI_NOPOWEF move variables 'pd_undefined_r 3 remove state MDI_NOPOWEF 4 remove state MDI_NOPOWEF <i>Response Status</i> W 2.2.1 P148	nodeA' and _mo {_modeA {_modeB		Ken and Lennan to a	ingri Delore meeting.		
- From 33.3.3.7 rem - From Figure 33-32 - From 33.3.3.12 rer - From Figure 33-33 - From Figure 33-34 Proposed Response TFTD C/ 33 SC 33.3.8. (seboodt, Lennart Comment Type E	2 remove state MDI_NOPOWEF move variables 'pd_undefined_r 3 remove state MDI_NOPOWEF 4 remove state MDI_NOPOWEF <i>Response Status</i> W 2.2.1 <i>P</i> 148 Philips	nodeA' and _mo {_modeA {_modeB <i>L</i> <b>35</b>	# <u>382</u> Editorial	Ken and Lennart to a	ingri Delore meeting.		
<ul> <li>From 33.3.3.7 rem</li> <li>From Figure 33-32</li> <li>From 33.3.3.12 rer</li> <li>From Figure 33-33</li> <li>From Figure 33-34</li> <li>Proposed Response TFTD</li> <li>Cl 33 SC 33.3.8.</li> <li>(seboodt, Lennart</li> <li>Comment Type E</li> <li>"33.3.8.2.1 Input ave</li> <li>While technically co sounding header.</li> </ul>	2 remove state MDI_NOPOWEF move variables 'pd_undefined_r 3 remove state MDI_NOPOWEF remove state MDI_NOPOWEF Response Status W 2.2.1 P 148 Philips Comment Status D	nodeA' and _mo {_modeA {_modeB <i>L</i> 35 and Class 8 PD:	# <u>382</u> Editorial	Ken and Lennan to a	ingri Delore meeting.		
<ul> <li>From 33.3.3.7 rem</li> <li>From Figure 33-32</li> <li>From Figure 33-33</li> <li>From Figure 33-33</li> <li>From Figure 33-34</li> <li>Proposed Response TFTD</li> <li>Cl 33 SC 33.3.8.</li> <li>Xseboodt, Lennart</li> <li>Comment Type E</li> <li>"33.3.8.2.1 Input ave While technically co sounding header. The deciding factor is</li> <li>SuggestedRemedy</li> </ul>	remove state MDI_NOPOWEF move variables 'pd_undefined_r remove state MDI_NOPOWEF     remove state MDI_NOPOWEF <i>Response Status</i> <b>W .2.1</b> <i>P</i> 148     Philips <i>Comment Status</i> <b>D</b> erage power for certain Class 6 prrect, the word 'certain' causes is mentioned in the section.	nodeA' and _mo {_modeA {_modeB <i>L</i> <b>35</b> and Class 8 PD this to be a very	# <u>382</u> Editorial	Ken and Lenhart to a	ingri Delore meeting.		
<ul> <li>From 33.3.3.7 rem</li> <li>From Figure 33-32</li> <li>From Figure 33-33</li> <li>From Figure 33-34</li> <li>Proposed Response TFTD</li> <li>Cl 33 SC 33.3.8.</li> <li>Yseboodt, Lennart</li> <li>Comment Type E         "33.3.8.2.1 Input ave</li> <li>While technically co sounding header. The deciding factor is</li> <li>SuggestedRemedy</li> </ul>	remove state MDI_NOPOWEF move variables 'pd_undefined_r remove state MDI_NOPOWEF     remove state MDI_NOPOWEF <i>Response Status</i> <b>W .2.1</b> <i>P</i> <b>148</b> Philips <i>Comment Status</i> <b>D</b> erage power for certain Class 6 orrect, the word 'certain' causes	nodeA' and _mo {_modeA {_modeB <i>L</i> <b>35</b> and Class 8 PD this to be a very	# <u>382</u> Editorial	Ken and Lenhart to a	ing i Delore meeting.		
<ul> <li>From 33.3.3.7 rem</li> <li>From Figure 33-32</li> <li>From Figure 33-33</li> <li>From Figure 33-33</li> <li>From Figure 33-34</li> <li>Proposed Response TFTD</li> <li>Cl 33 SC 33.3.8.</li> <li>Yseboodt, Lennart</li> <li>Comment Type E</li> <li>"33.3.8.2.1 Input ave</li> <li>While technically co sounding header. The deciding factor is</li> <li>SuggestedRemedy</li> </ul>	remove state MDI_NOPOWEF move variables 'pd_undefined_r remove state MDI_NOPOWEF     remove state MDI_NOPOWEF <i>Response Status</i> <b>W .2.1</b> <i>P</i> 148     Philips <i>Comment Status</i> <b>D</b> erage power for certain Class 6 prrect, the word 'certain' causes is mentioned in the section.	nodeA' and _mo {_modeA {_modeB <i>L</i> <b>35</b> and Class 8 PD this to be a very	# <u>382</u> Editorial	Ken and Lennari to a	ing i Delore meeting.		

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 **148** Li **37**  Page 81 of 124 8/31/2016 3:49:36 PM

CI <b>33</b>	SC 33.3.8.2.2	P 148	L <b>47</b>	# 383	CI 33	SC 33.3	.8.4	P 149	L 17	# 221
Yseboodt,	Lennart	Philips			Darshan, Ya	air		Microsemi		
Comment <sup>·</sup>	Туре Т	Comment Status D		PD Power	Comment T	Type TR	2	Comment Status X		PD Powe
we finc "When supplie	d: a Type 1, Type 2 ed with V Port_PS	stability test conditions during 2, single-signature Type 3, or SE-2P min to V Port_PSE-2P	single-signatur max with R Ch	e Type 4 PD is (as defined in Table	isolateo Cx+Cy Howeve	d circuits (lo as seen by er dual sigr	oads) o the P nature	of Figure 33-36 is presenting connected to mode A and m SE. PDs may be implemented in hich result with lower than C	ode B and show	ving total capacitance
		-28, with the ripple and	Suggested	Remedy						
	d by Table 33-28.	ating voltage range as				elow Figure 33-36:				
								of Figure 33-36 is presentir		
and						as seen by		connected to mode A and m SE.	ode B and show	ving total capacitance
with R	Ch (as defined ir	PD is supplied with V Port_P Table 33-1) in series, it shall	operate at PP	ort_PD-2P , as defined	Howeve	er dual sigr	nature	PDs may be implemented in hich result with lower than C		e.g. using single load
		ripple and noise content as d age range as defined by Table		33-28, and with the	Proposed F TFTD	Response		Response Status W		
		ements already in Table 33-2	8, a Table that	has a shall associated	C/ 33	SC 33.3	0.2	P 149	L 21	# 385
with it.		g in this section anyway.			Yseboodt, L		.0.3	P 149 Philips	L <b>Z I</b>	# 385
Suggested					Comment T			Comment Status X		PD Powe
	•	ns from this section.					et the i	nrush requirements with the	PSE behavior	
Proposed I	1 0 1	Response Status W								
'	OSED ACCEPT.				•	the intent es to 33.2.8		say "PD only needs to mee	t the inrush req	uirements if the PSE
								this? The same applies to	nearly every ot	her PD parameter as
CI 33	SC 33.3.8.3	P 149	L <b>1</b>	# 384	well.	o oprijor sl	halle a	re not conditional upon this	one so it has n	a effect in its current
rseboodt,		Philips			form.		ialis a			o enect in its current
Comment		Comment Status D		Editorial	Suggested	Remedy				
		33.3.8.3 isn`t entirely logical.					shall r	neet the inrush requirement	s with the PSE	behavior described in
Suggested	,		- the Manual law	and a summarial and a factor of the	33.2.8.					
- Move paragr		that describes Cport) to befor	e the "Input inr	ush currents at startup"	Proposed F	Response		Response Status W		
		er the "Single-signature PDs a	assigned to" pa	ragraph.	TFTD					
	Response	Response Status W						e was added to make sure th at different voltage levels (s		

Pa **149** Li **21** 

C/ 33 SC 33.3.8.3 P 149 L 30 # 460
Yseboodt, Lennart Philips
Comment Type TR Comment Status D PD Power
"If a PD has a larger C Port or C Port-2P value, then the PD shall limit the input inrush current such that I Inrush_PD max and I Inrush_PD-2P max, as defined in Table 33-28, are met."
Very true, but also redundant to the requirement a few paragraphs above: "PDs shall draw less than I Inrush_PD and I Inrush_PD-2P from T Inrush-2P min until T delay-2P min."
SuggestedRemedy Remove the "If a PD has a larger" sentence.
Proposed Response Response Status W PROPOSED ACCEPT.
PROPOSED ACCEPT.
TFTD
The PD actually needs to limit inrush current so that Pclass_PD is met after Tinrush_min (50ms).
The inrush requirements were written to make sure this is true.
C/ 33         SC 33.3.8.4         P 150         L 43         # 525           Stover, David         Linear Technology         525
Comment Type         ER         Comment Status         D         Editorial           "P_Class_PD as defined in Table 33-28". P_Class_PD is defined in Table 33-24.
SuggestedRemedy
Correct reference to Table 33-24.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

OBE by 461

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

C/ 33 SC 33.3.8. (seboodt, Lennart	4 P 150 Philips	L <b>43</b>	# 461	<i>CI</i> <b>33</b> Bennett, Ken	SC 33.3.8.4.1	P 151 Sifos Techno	L <b>2</b> plogies, In	# 48
Comment Type <b>TR</b> In equation 33-26:	Comment Status D		PD Power	Comment Ty The state	•	Comment Status X		Extended Powe
	maximum power, P Class_PD le value, not a range. Remove		In Table 33-28			not exceed PClass at the F and with 5% duty cycle."	PSE PI for more	than TCUT-2P min, as
SuggestedRemedy		oo dofinad in T	-bla 22 24			class. Three interpretations rovided by the connected l		quation 33-2, Table 33-
Proposed Response PROPOSED ACCEF	maximum power, P Class_PD, Response Status W	as defined in Ta	adie 33-24	SuggestedRe Append t	2	the end of the statement:		
C/ 33 SC 33.3.8.		L <b>50</b>	# 462		PClass is the le alue in table 33	sser of: a) the PSE's PCla -12."	ss allocation; and	d b) the overmargined
seboodt, Lennart	Philips			Proposed Re	esponse	Response Status W		
Comment Type E	Comment Status D		Editorial	TFTD				
"33.3.8.4.1 Peak ope	erating power for certain Class	6 and Class 8 P	Ds"	Ken and	Lennart to align	before meeting.		
While technically cor sounding header.	rrect, the word 'certain' causes	this to be a very	odd and unsure		SC 33.3.8.4.1	<i>P</i> 151	L <b>2</b>	# 49
SuggestedRemedy				Bennett, Ken		Sifos Techno	biogles, in	
"33.3.8.4.1 Peak ope	erating power for Class 6 and C	lass 8 PDs"		Comment Ty	•	Comment Status X		Extended Powe
Proposed Response PROPOSED ACCEF	Response Status W					beak power for Class 6 and issing a Peak Power value		ver. It mirrors section
FROFOSED ACCEP	- 1.			Ppeak_F the PD a For intere	PD limits use a fi nd is variable w	rt_PD) in extended mode xed multiplier (1.05 x PCla ith respect to PClass at the clarity, the Peak Power limi 2D PI.	ass_PD). Ppeak_ e PSE (due to ch	_PD is a fixed limit at anges in channel loss).
				SuggestedRe	2	the paragraph ending on	Pa 151, I n 2,	
							0	
						nall not exceed 1.05 x Port	_PD max.	
				Proposed Re TFTD	esponse	Response Status W		
				Ken and	Lennart to align	before meeting.		

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

C/ 33 SC 33.3.8.5 P 151 L 21 # 526	Cl 33 SC 33.3.8.5 P 151 L 32 # 51
Stover, David Linear Technology	Bennett, Ken Sifos Technologies, In
Comment Type E Comment Status D Editoria	Comment Type E Comment Status D PD Powe
Current slew rate is redundantly defined here and Table 33-28, Item 11.	The templates show a second upperbound step after Tcut-2P min. This step is the power
SuggestedRemedy	that a peak pulse must fall below before PSE TCut timing is reset.
Assign a symbol to Table 33-28, Item 11. Reference this symbol in 33.3.8.5.	After a Peak lasting TCut-2P min ends, the instantaneous power must stay below the
Proposed Response Response Status W	second step for 950msecs. Peaks lasting less than TCut-2P min may exceed the second step after droppin below the PClass_PD power level.
PROPOSED ACCEPT.	step alter droppin below the P class_PD power level.
	The always-valid portion of the second step is the transition at TCut-2P-min.
C/ 33 SC 33.3.8.5 P 151 L 21 # 527	SuggestedRemedy
Stover, David     Linear Technology       Comment Type     ER     Comment Status     D     Editorial	For clarity, shorten the duration of the second step in Figures 33-37, 33-38, 33-39 to 1/4 or 1/8 of their existing length.
"When the input voltage at the PI is static and in the range of V_Port_PD defined in Table	Proposed Response Response Status W
33-28" V_Port_PD in Table 33-28 has changed to V_Port_PD-2P. There are multiple entries in the text that need changed to reflect this.	PROPOSED ACCEPT IN PRINCIPLE.
SuggestedRemedy	I believe what Ken would like is to shorten (in time) the horiztonal line that extends along the Pclass PD(-2P) line.
Global search and replace V_Port_PD with V_Port_PD-2P.	
Proposed Response Response Status W	If correct, make the change. If incorrect, Ken to comment.
PROPOSED ACCEPT.	C/ 33 SC 33.3.8.5 P152 L10 # 463
C/ 33 SC 33.3.8.5 P 151 L 31 # 50	Yseboodt, Lennart Philips
Bennett, Ken Sifos Technologies, In	Comment Type TR Comment Status D PD Powe
Comment Type T Comment Status X PD Power	In equation 33-28:
Figures 33-37, 33-38, and 33-39 show PD upperbound templates. These are also described as operating masks, and a normative shall states the PDs must operate below	PPeak_PD => is the peak operating power, Ppeak_PD max, as defined in Table 33-28 Pclass_pd => is the maximum power, P Class_PD max, as defined in Table 33-28
these upperbound templates.	PClass_PD is a single value, not a range. Remove 'max'
The figures are valid up to TCut-2P min for a single peak rising above the PClass_PD power level. The figures are not valid for multiple peaks that are shorter duration than	Ditto for PPeak_PD. Also wrong table reference.
TCut-2P min (see 5% duty cycle in 33.3.8.4).	SuggestedRemedy
SuggestedRemedy	PPeak_PD => is the maximum peak operating power, Ppeak_PD, as defined in Table 33-
Change the NOTE as follows and put it under each respective template (replacing the	28 Pclass_pd => is the maximum power, P Class_PD, as defined in Table 33-24
existing notes where they appear):	
	Proposed Response Response Status W PROPOSED ACCEPT.
NOTE - Figure 33-## applies to a single peak which exceeds the PClass PD power value.	
NOTE - Figure 33-## applies to a single peak which exceeds the PClass_PD power value.         Proposed Response       Response Status         W	

Pa **152** Li **10** 

C/ 33 SC 33	.3.8.5	P 152	L <b>32</b>	# 21	CI 33	SC 33.3.8.	5 P 153	L <b>3</b>	# 52
lones, Chad		Cisco			Bennett, K	en	Sifos Teo	chnologies, In	
Comment Type	E Comm	ent Status D		PD Power	Comment	Туре Т	Comment Status X		Extended Pow
Equation (33–2) Figure 33–37, F	which results in igure 33–38, Equ	uation (33–27), Equ	wer and current the and current the and current the angle of the angle	required to meet han results from 17 d Equation (33–30)." oesn't mention figure	lpeak*	Vpse.	to "know" Vpse: without V		·
SuggestedRemedy	00" to the note (tu	ua placea, paga 15	1 line 16 and no	as 152 line 17) and			omment suggested "1.05 x was accepted, it should ap		a Ppeak limit for
		3-38 page 152, line		ge 153, line 17) and	Suggested	Remedy			
Proposed Response	e Respon	nse Status W			Replac	ce Ipeak*Vpse	with "1.05 x Pport_PD ma	x".	
PROPOSED AC	CCEPT.				Proposed I	Response	Response Status W		
C/ 33 SC 33	295	P 152	L <b>43</b>	# 464	TFTD				
/seboodt, Lennart	.3.0.3	P 152 Philips	L 43	# 464	Ken ar	nd Lennart to a	lign before meeting.		
Comment Type I In Eq 33-29, var		<i>ent Status</i> <b>D</b> e a non-subscript "	-2P"	Editorial	C/ <b>33</b> Yseboodt,	SC 33.3.8.0 Lennart	6 P 153 Philips	L <b>44</b>	# 466
SuggestedRemedy Fix. Proposed Response	1	ose Status W			consec	econd paragrap quetive senten	Comment Status <b>D</b> oh of 33.3.8.6 is hard to reaces. to table format either.	ad as it lists a bunch	Editor
PROPOSED AC	CEPT.				Suggested	Remedy			
CI 33 SC 33	.3.8.5	P 153	L <b>1</b>	# 465	Itemize	e the sentence	s in the second paragraph	, this makes is visua	ally easier to parse.
rseboodt, Lennart		Philips			Proposed I	Response	Response Status W		
Comment Type Figure 33-39 is a	E Comm clipped a bit on th	ent Status D		Editorial	PROP	OSED ACCEF	ΥТ.		
SuggestedRemedy Unclip.									
Proposed Response PROPOSED AC		nse Status W							

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

CI 33	SC 33.3.8.9	P 155	L <b>24</b>	# 467	C/ 33	SC 33.3.8	3.10	P 155	L <b>33</b>	# 468
Yseboodt, I	Lennart	Philips			Yseboodt,	Lennart		Philips		
Comment 7		Comment Status D		PD Power	Comment			ent Status D		Editoria
"When	V_Port_PD-2P	max is applied across the PI ode A or Mode B according to	at either polarity	specified on the			Fig 33-39, st	nould be 33-40.		
across	the PI for the ot	her Mode with a 100 kOhm lo in Table 33-28."			Suggested Replac	,	and on line 4	0.		
v bla li					Proposed			nse Status W		
Note: le	egacy text!				,	POSED ACCE	,			
This 'sh exist.	hall' only applies	when precisely 57.0V is app	lied. In essence,	the shall does not	C/ 33	SC 33.3.8	3.10	P 155	L 34	# 241
Suggestedl	Remedy				Darshan,	Yair		Microsemi		
TFTD	lomouy				Comment	Type E	Comm	ent Status D		Editoria
					Error i	n the link to F	- igure 33-39.	Need to be 33-40.		
	any voltage bet v specified "	ween 0V and V_Port_PD-2P	max is applied a	cross the PI at either	Suggested	dRemedv	-			
or					00	ge from "Figu	re 33-39"			
		is applied across the PI at eit	her polarity spec	ified "	To: "F	igure 33-40".				
Proposed F PROPC	Response DSED ACCEPT	Response Status W			Proposed PROP	'	<i>Respor</i> PT IN PRINC	nse Status W CIPLE.		
TFTD					OBE t	oy 468				
C/ 33	SC 33.3.8.10	P <b>155</b>	L <b>30</b>	# 53	C/ 33	SC 33.3.8	3.10	P 155	L 34	# 213
Bennett, Ke	en	Sifos Technol	ogies, In		Darshan, `	Yair		Microsemi		
Comment 7	Туре Т	Comment Status X		Pres: Bennett1	Comment	Туре Т	Comm	ent Status X		Pres: Darshan7
	n 33.3.8.10 desc ary for interope	ribes a test set-up to meet lo	on-2P and Icon-2	2P_unb, which are			arked "PDPI_			
necess		ability.						All my comments re an_07_0916.pdf.	lated to 33.3.8.	10 are shown with
		refers to a test set-up (derive				,	.9			
	sult in interopera	n-2P_unb must be met. There bility problems.	are deficiences	in this approach which	Suggested	dRemedy				
Suggestedl								.8.10 are shown with	n editing marks	on page 2 in
55	ennett_01_0916	.pdf				an_07_0916.				
See Be					Proposed	kesponse	Respor	nse Status W		
	Response	Response Status W			TETO					
	Response	Response Status W			TFTD					
Proposed F	Response	Response Status W			TFTD WFP					

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 **155** Li **34**  Page 87 of 124 8/31/2016 3:49:37 PM

CI 33 SC 33.3.8.	10 P 155	L <b>34</b>	# 528	CI 33	SC 33.3.8.1	0 P 155	L <b>42</b>	# 243
Stover, David	Linear Techn	ology		Darshan,	/air	Microsemi		
Comment Type ER	Comment Status D		Editorial	Comment	Туре Т	Comment Status X		Pres: Darshan7
"and R_source_m Actually, Figure 33-4	n is in the range of 0.168ohm 0.	to 5.28ohm as sh	nown in Figure 33-39".		rce_min and Rs	source_max represent the Vin		
SuggestedRemedy						ts of the PSE PI components , VPort PSE diff as specifie		
On Lines 34 and 40,	replace reference to Figure 33	-39 with reference	ce to Figure 33-40.	resista	ance). Common	mode effective resistance is	the resistance of	two conductors of the
Proposed Response PROPOSED ACCEF	Response Status W PT IN PRINCIPLE.			VPort_	_PSE_diff. IA ar	ther components connected in nd IB are the pair currents of e lines for meeting the above	oairs with the sar	
OBE by 468				There	is some missin	g information that clarifies the	e text and some r	eduntant information.
C/ 33 SC 33.3.8.	10 P 155	L <b>40</b>	# 242	Suggested	Remedy			
Darshan, Yair	Microsemi				e from:			
Comment Type E Error in the link to Fi	Comment Status <b>D</b> gure 33-39. Need to be 33-40.		Editorial	resista specifi	ance that consis ed in 33.2.8.4.1	source_max represent the Vin ts of the PSE PI components I, VPort_PSE_diff as specified	(RPSE_min and d in Table 33–17	d RPSE_max as and the channel
SuggestedRemedy Change from "Figure To: "Figure 33-40".	33-39"			same VPort_	pair and their of _PSE_diff. IA ar	mode effective resistance is ther components connected in and IB are the pair currents of e lines for meeting the above	n parallel includir pairs with the sar	ng the effect of
Proposed Response	Response Status W			Т0:				
PROPOSED ACCEF	ΥТ.			"Rsou resista specifi and R Rsour two co conne	ance that consis ed in 33.2.8.4.1 PAIR_PD_min ce_min and Rso nductors of the cted in parallel	source_max represent the Vin ts of the PSE PI components , VPort_PSE_diff as specifie, , RPAIR_PD_max specified in purce_max. Common mode e same pair and their other con including the effect of the sys currents of pairs with the sam	(RPSE_min and d in Table 33-17, a 33A.5. See Anr ffective resistand mponents (that a tem total pair to	d RPSE_max as channel resistance nex D for derivation of ce is the resistance of re forming Rsource)
				Proposed TFTD	Response	Response Status W		
				WFP				

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

Cl 33 SC 33.3.8. Darshan, Yair	<b>10</b> <i>P</i> <b>155</b> Microsemi	L <b>46</b>	# 222	Cl 33 SC 33 Darshan, Yair	.3.8.10	P <b>156</b> Microsemi	L 17	# 245
Comment Type TR	Comment Status X 016.pdf page 4 for editing mark	(2 0 2 2 4 E )	Pres: Darshan7	Comment Type	E the title o	Comment Status D		Editorial
Annex 33A.5 needs 1. Equation 33A-4 w	updates: as not implemented correctly.		everse order.	"Figure 33-40-P	D PI pair	-to-pair current unbalance to st models in the spec.	est setup"	
2. Some text clarifica	ation was missing. update for editorials and missi	ing information		SuggestedRemedy				
5. Hyure 55A 4 was		ng mornation.				-40-PD PI pair-to-pair currer pair-to-pair current unbaland		est setup"
SuggestedRemedy				Proposed Response	9	Response Status W		
See page 4 in darsh	an_07_0916.pdf for proposed i	remedy.		PROPOSED AC	CEPT.			
Proposed Response	Response Status W			C/ 33 SC 33	.3.8.10	P 156	L 19	# 246
TFTD				Darshan, Yair		Microsemi		
WFP				Comment Type	E	Comment Status D		Editorial
CI 33 SC 33.3.8	10 P 156	L 9	# 244	The words "test	setup" ca	an be improved in by replac	ng it to "test m	odel":
Darshan, Yair	Microsemi	-		"NOTE 1-Rsou	urce inclu	des test setup plug resistan	ce Rcon. The	maximum
Comment Type TR	Comment Status X		Pres: Darshan4			ie is 0.02 ohm however it tion specific choice how to n	neet Rsource	min and Rsource max "
	16.pdf for the correct drawing.		·	SuggestedRemedy				
	esistors are marked as Rsourc source_min from top, and ther order.			Change from: "to To: "test model"		n		
See darshan_04_09	16.pdf for the correct drawing.			Proposed Response	è	Response Status W		
SuggestedRemedy				PROPOSED AC	CEPT.			
See darshan 04 09	16.pdf for the correct drawing.			C/ 33 SC 33	39	P 157	L 1	# 469
	Response Status W			Yseboodt, Lennart	.0.0	Philips		100
Proposed Response	,							
					ER for PD de	Comment Status <b>D</b>	havior	Editorial
Proposed Response TFTD	,			See Annex 33F		Comment Status <b>D</b> esign guidelines for MPS be	havior.	Editorial
Proposed Response TFTD	,			See Annex 33F SuggestedRemedy	for PD de s not exis		havior.	Editorial

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C/ 33 SC 33.3.9 P 157 L 16 # 470	C/ 33 SC 33.3.9 P157 L 31 # 471
Yseboodt, Lennart Philips	Yseboodt, Lennart Philips
Comment Type TR Comment Status X PD MPS	Comment Type E Comment Status D Editorial
There is a interoperability issue for dual-signature PDs connected to Type 1/2 PSEs. The Iport_mps-2P is 8mA (min) for the PD, but can be up to 10mA for the PSE.	"Such a PD should increase its I Port min or make other such provisions to meet the Maintain Power Signature."
SuggestedRemedy	Note below Table 33-30. Should also refer to IPort-2P.
Two options. Simple: Change Table 33-30, IPort MPS-2P to 0.010 A	SuggestedRemedy
Complex: Change Table 33-30, such that depending on short_mps_modeA and short_mps_modeB the current is 8mA or 10mA	"Such a PD should increase its IPort min, or IPort-2P min or make other such provisions to meet the Maintain Power Signature."
Proposed Response Response Status W	(Did I get the comma`s right?)
TFTD	Proposed Response Response Status W
my vote: change to 10mA	PROPOSED ACCEPT IN PRINCIPLE.
Cl 33         SC 33.3.9         P 157         L 29         # 302           Schindler, Fred         Seen Simply, Broadco	"Such a PD should increase its IPort min or IPort-2P min or make other such provisions to meet the Maintain Power Signature."
Comment Type TR Comment Status D PD MPS	I don't believe any commas are needed.
The existing table note can be improved to make PD designers aware of other concerns that may affect PDs using low-MPS. PSEs have a noise allowance covered in Table 33-17 item 4, that permit 0.5Vpp at 500 Hz, which could null the PD MPS current. The PSE	C/ 33         SC 33.4.3         P 160         L 10         # 472           Yseboodt, Lennart         Philips
noise value is only around 0.7% of the PI voltage so the noise allowance is not likely to be lowered.	Comment Type ER Comment Status D Editorial
SuggestedRemedy	Table 33-32 uses "," rather than "." as the decimal point.
Replace the legacy note text "resistance RCh)" with "resistance RCh) or the PSE power feeding ripple and noise covered in Table 33-17".	SuggestedRemedy Fix.
Proposed Response Response Status W	Proposed Response Response Status W
PROPOSED REJECT.	PROPOSED ACCEPT IN PRINCIPLE.
The note there already gives guidance to PD designers that other factors need to be taken in consideration when using MPS pulsing. I believe the new note only confuses the manner more.	OBE by 255
TFTD	

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

C/ 33 SC 33.4.3 Jones, Chad	P 160 Cisco	L 10	# 22	C/ 33 SC 33.4.4 Jones, Chad	<i>P</i> <b>161</b> Cisco	L <b>34</b>	# 23
Comment Type ER Table 33-32. commas to SuggestedRemedy Table 33-32. commas to	Comment Status D be replaced with decimal po be replaced with decimal po Response Status W	•	Editorial	Comment Type ER Table 33-33. commas SuggestedRemedy	Comment Status D to be replaced with decimal po to be replaced with decimal po <i>Response Status</i> W		Editorial
C/ 33 SC 33.4.3 Grow, Robert	P <b>160</b> RMG Consulti	L <b>53</b> ng	# 142	C/ 33 SC 33.4.4 Trowbridge, Steve	<i>P</i> <b>163</b> Nokia	L 12	# 41
P802.3bz draft, and if P8 approval status of P802.3 <i>SuggestedRemedy</i> Update specifications if r P802.3bz is approved by	equired, remove note if D2.	er 22 September	, we will know the	33-45 SuggestedRemedy Uses a consistent sym	fferent symbol for ground than bol for ground across all figure rents that form it need to be tic <i>Response Status</i> <b>W</b>	es. If the symbol	from Figure 33-44 is
Cl 33 SC 33.4.4 Yseboodt, Lennart Comment Type ER	P 161 Philips Comment Status D	L <b>34</b>	# 473 Editorial	5	P 163 Linear Techno <i>Comment Status</i> D be ripple from the power supply		# 529 Editorial em 3)". Actually, item
SuggestedRemedy Fix.	er than "." as the decimal portion of the dec	JINT.		4. SuggestedRemedy Correct reference to ite Proposed Response	em 4. Response Status W		
OBE by 255	•			PROPOSED ACCEPT	,		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Page, Line Pa **163** Li **48**  Page 91 of 124 8/31/2016 3:49:37 PM

CI 33 SC 3									
	33.4.9	P 166	L <b>33</b>	# 535		SC 33.4.9.1	P 168	L 9	# 536
Flatman, Alan		LAN Technolo	gies		Flatman, Alan		LAN Techno	nogies	
version of ISO	)/IEC 1180	Comment Status D d "cross connect models" a 1: Edition 2.1 2008 but will I tly at DIS stage.			type in this	1801: 2002 do s subclause. C	Comment Status D bes not include cabling for Cabling for 10GBASE-T is i ed in ISO/IEC 11801: Editi	ncluded in ISO/I	EC 11801: Edition 2.1
SuggestedRemedy	ly				SuggestedRen	nedy			
change referer	nce to ISO	/IEC 11801 Edition 3 clause	ə 5.1.		change ref	ference to ISC	/IEC 11801: Edition 2.1 20	008 or ISO/IEC	11801: Edition 3.
Proposed Respons PROPOSED A		Response Status W			Proposed Res PROPOSE	<i>ponse</i> ED ACCEPT.	Response Status W		
C/ 33 SC 3 Trowbridge, Steve	33.4.9 9	<i>P</i> <b>167</b> Nokia	L 16	# 42	CI 33 S Jones, Chad	SC 33.4.9.1.1	P <b>168</b> Cisco	L <b>35</b>	# 24
21	E elements in	Comment Status D Figure 33-47: in the cross-	connect model	Editorial	Comment Type EQ 33-34		Comment Status <b>D</b> mas to be replaced with de	ecimal points. 12	Edito 2 places total
	ds past the	jumper, and in the midspan			SuggestedRen	nedy	·	·	
jumper extend meet the line a SuggestedRemedy Tidy up the fig	ds past the at the left s /y gure use	jumper, and in the midspan			SuggestedRen EQ 33-34 Proposed Res	nedy to 33-38. com ponse ED ACCEPT I	mas to be replaced with de <i>Response Status</i> <b>W</b> N PRINCIPLE.	·	2 places total
jumper extends meet the line a SuggestedRemedy Tidy up the figu Proposed Respons PROPOSED A Cl 33 SC 3	ds past the at the left s dy gure ase ACCEPT.	jumper, and in the midspar ide			SuggestedRen EQ 33-34 Proposed Res PROPOSE OBE by 25	nedy to 33-38. com ponse ED ACCEPT I 55 56 <b>33.4.9.1.4</b>	mas to be replaced with de Response Status W	·	2 places total # 474
jumper extends meet the line a SuggestedRemedy Tidy up the fig Proposed Respons PROPOSED A Cl 33 SC 3 Klempa, Michael Comment Type	ds past the at the left s fy gure lise ACCEPT. 33-47 E	jumper, and in the midspan ide <i>Response Status</i> <b>W</b> <i>P</i> <b>167</b>	h insertion mode	el the jumper arc doesn't # 256 Editorial	SuggestedRen EQ 33-34 Proposed Res PROPOSE OBE by 25 C/ 33 S Yseboodt, Len Comment Type	nedy to 33-38. com ponse ED ACCEPT I 55 56 <b>33.4.9.1.4</b> nart e <b>ER</b>	mas to be replaced with de Response Status W N PRINCIPLE. P 170	ecimal points. 12	

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 **170** Li **9** 

C/ 33 SC 33.4.9.1.4 Maguire, Valerie	<i>P</i> <b>170</b> Siemon	L 17	# 148	<i>Cl</i> <b>33</b> Law, David	SC 33.5	<i>P</i> <b>172</b> HPE	L <b>26</b>	# 335
Comment Type E Comr Incorrect '568-C.2 reference ("/E SuggestedRemedy Replace, "ANSI/TIA/EIA-568-C. 35.	·		Editorial	does not 33-2, it ir show the	owledged in s appear in the iterfaces to the PSE and PE	Comment Status X subclause 33.1.2, as an optional e seven layer model. Regardle ne medium at the same point a D function adjoining the PHY. F e 33 has provided the option fo	ss, as illustrate as the PHY, and Perhaps becaus	d in Figures 33-1 and d these figures also se of this, or perhaps for
	onse Status W			optional	xMII, as for P	HYs. This is through the option defined in subclause 33.5.	nal support of th	he MDIO interface, and
Cl 33 SC 33.4.9.1.4 Flatman, Alan Comment Type E Comm ISO/IEC 11801: 2002 does not subclause. 10GBASE-T cords a contained in ISO/IEC 11801: Ec	are included in ISO/II	cords which ar EC 11801: Editi	on 2.1 2008 and will be	interface doesn't r mandato or 45.2 ( registers	and instead natter if IEEE ry if 'the PS MDIO)'. He don't need to	t implementations of PSE func- use other approaches. From the 802.3 specifies registers in su SE is implemented with a mana- ence if the MDIO interface isn't be implemented, only somether to be no point specifying thes	he perspective of ubclause 33.5 s agement interfa t implemented of hing equivalent.	of an implementer it since they are only ace described in 22.2.4 on the PSE function, the
SuggestedRemedy change reference to ISO/IEC 11				never us additiona	ed, as that we	ould just be unnecessary work EE P802.3bt as there is no spa ok at how to use the Clause 4	a. And there wou	uld appear to be an lause 22 register space,
PROPOSED ACCEPT. Cl 33 SC 33.4.9.1.4 Maguire, Valerie	P 170 P 170 Siemon ment Status D	L 22	# 149 Editorial	xMII (see We've n abstract	e subclause 1 ot defined one services inter een in an imp	we've only defined an optional .1.3.2), for access to the statu e for the MAC, MAC Control ar faces. Hence access to contro olementation specific way. May	is and control in nd upper sublay ol and status in	formation to the PHY. /ers, instead only these sublayers has
Incorrect category reference.				SuggestedR	emedy			
SuggestedRemedy Replace "category 6a" with "cat Proposed Response Respo PROPOSED ACCEPT.	egory 6A" in one loc Inse Status W	ation in Table 3	3-35.	Conside requirem 22 MII of behaviou the case diagram and show	either depre ents'. For all Clause 35 G Irs will then o for all MAC, variables with Id be rename	cating, or even removing, sub DTE Power via MDI attributes SMII is present, then this will m nly make reference to subclau MAC Control and other upper n 'mr_' prefixes should have th ed by removing the text 'mr_'. sentation time at the 2016 Sept ment.	in Clause 30 re ap to' text so use, state diagra sublayers relate e text related to	emove the 'If a Clause that the attributes ams and functions as is ed attributes. State o register bits removed
				Proposed Re TFTD		Response Status W		
				WFP				

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 **172** Li **26**  Page 93 of 124 8/31/2016 3:49:37 PM

CI 33	SC 33.5	P <b>172</b>	L <b>26</b>	# 211
Darshan, Ya	ir	Microsemi		
Comment Ty	/pe TR	Comment Status X		Pres: Law1

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:

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.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."

Proposed Response Response Status W

TFTD

WFP

CI 33 S	C 33.5.1.2	P 175	L 32	#	98
Zimmerman, G	eorge	CME Consul	ting, Aqua		
Comment Type	→ TR	Comment Status X			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.

Proposed TFTD	Response	Response Status	W		
WFP					
C/ 33 Grow, Rob	SC 33.5.1.2	P 17 BMG	7 <b>5</b> Consulting	L <b>50</b>	# 143
	en	T(MO	Consulting		
Comment	Type <b>TR</b>	Comment Status	Х		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

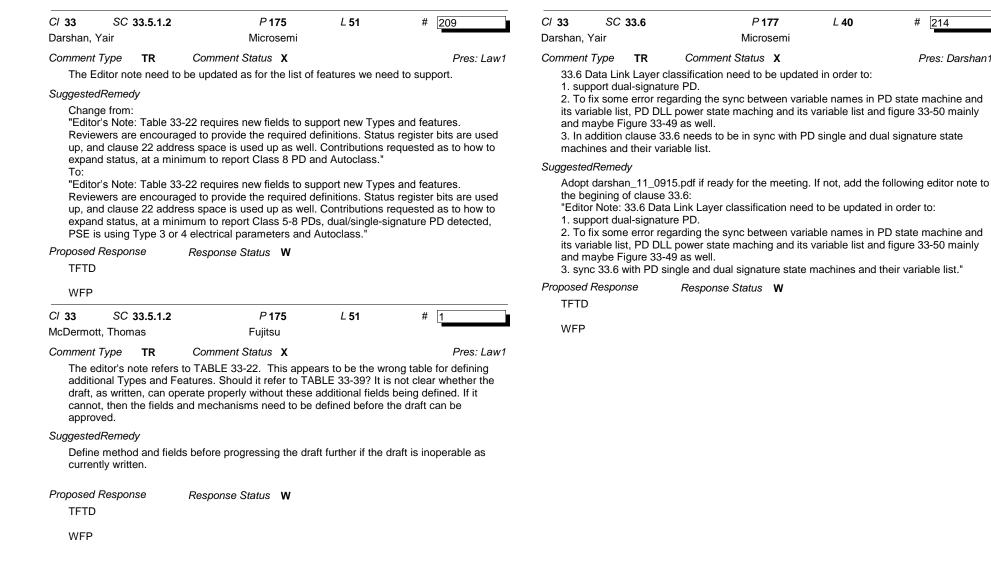
Unfortunately, I don't think I have a solution for you, but you need one prior to the next recirculation. All that occurs to me is to deprecate the use of Clause 22 registers, require the use of Clause 45 registers (possibly including the mapped Clause 22 registers, and get the extra registers and bits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

Proposed Response Response Status W

TFTD

WFP

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



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 177 Li 40

Pres: Darshan11

C/ 33         SC 33.6         P1           Darshan, Yair         Micro	-	# 239	Cl 33 SC 3 Schindler, Fred	33.6.1	P <b>177</b> Seen Simply,	L 53 Broadco	# 30	3
Comment Type TR Comment Status	х	DLL	Comment Type	TR Co.	mment Status D			DLL
Type 3 and Type 4 single signature state m power management in clause 33.6.	achine is not complete ar	nd contradicts DLL			easurements" TLVs are dicate that this TLV is n			
The main issues are: 1. Figure 33-50 is not supporting Type 3 ar	d Type 4 single-signature	PDs (need to support	SuggestedRemedy	ly				
pse_dll_power_level and pse_dll_power_ty 2. Duplicate variables used in 33.6 and 33.	pe)				xt "and the Power via er via MDI Measureme		ments TLV	" to
SuggestedRemedy			Proposed Respons	ise Res	ponse Status W			
Add "Editor Note: clause 33.6 and 33.3.3.7	need to be in sync.		PROPOSED A	ACCEPT.				
The following issues need to be adressed: 1. Figure 33-50 is not supporting Type 3 ar pse_dll_power_level and pse_dll_power_ty 2. Duplicate variables used in 33.6 and 33.	pe)		C/ 33 SC 3 Schindler, Fred	33.6.3.2	P <b>179</b> Seen Simply,	L <b>6</b> Broadco	# 30	6
Proposed Response Response Status		_icvci).	Comment Type	TR Co	mment Status D			DLL
TFTD	••		The variable pettors this description		exists in Type 1,2 and	Type 3,4 state	diagrams. Bo	th apply to
IIID			•					
I don't think adding editor's notes pointing on this point. We need actual soluitions.	out technical incompletene	ess are a good idea at		ly	gram (Figure 33-32:" w	ith " diagram	s (Figures 33-	31 and 33-
I don't think adding editor's notes pointing o		ess are a good idea at # 304	Replace existin 32:"	<i>ly</i> ing text, " dia(		ith " diagram	s (Figures 33-	31 and 33-
I don't think adding editor's notes pointing of this point. We need actual soluitions.			Replace existin 32:" Proposed Respons	ly ing text, " diaç ise Res	gram (Figure 33-32:" w sponse Status W	ith " diagram	s (Figures 33-	31 and 33-
I don't think adding editor's notes pointing of this point. We need actual soluitions.	77 L 40 Simply, Broadco		Replace existin 32:"	ly ing text, " diaç ise Res		ith " diagram		
I don't think adding editor's notes pointing of this point. We need actual soluitions. CI 33 SC 33.6 P1 Schindler, Fred Seer	77 <i>L</i> 40 Simply, Broadco X tt covering dual-signature	# <u>304</u> DLL PDs. A state diagram	Replace existin 32:" Proposed Respons PROPOSED A	ly ing text, " diaç ise Res		L 18	s (Figures 33- # 30	
I don't think adding editor's notes pointing of this point. We need actual soluitions. Cl 33 SC 33.6 P 1 Schindler, Fred Seen Comment Type TR Comment Status A DLL subject matter expert should add tex	77 <i>L</i> 40 Simply, Broadco X tt covering dual-signature	# <u>304</u> DLL PDs. A state diagram	Replace existin 32:" Proposed Respons PROPOSED A CI 33 SC 3	ly ing text, " diag ise Res ACCEPT. 33.6.3.2	P 179	L 18	# 30	
I don't think adding editor's notes pointing of this point. We need actual soluitions. Cl 33 SC 33.6 P 1 Schindler, Fred Seen Comment Type TR Comment Status A DLL subject matter expert should add tex may be required and a LLDP attribute map	77 <i>L</i> 40 Simply, Broadco X tt covering dual-signature would also then be requir encouraged to improve the not be considered satisfi	# <u>304</u> DLL PDs. A state diagram red.	Replace existin 32:" Proposed Respons PROPOSED A Cl 33 SC 3 Schindler, Fred Comment Type Variable paran therefore it will	ly ing text, " diag ase Res ACCEPT. 33.6.3.2 TR Co meter_type is de Il only have valu	P 179 Seen Simply, mment Status X etermined only by Type ues 1 and 2. Variable p	L 18 Broadco e 1 and 2 functi od_allocated_po	# <u>30</u> Pre on set_param	5 es: Schindler eter_type,
I don't think adding editor's notes pointing of this point. We need actual soluitions. CI 33 SC 33.6 P 1 Schindler, Fred Seen Comment Type TR Comment Status A DLL subject matter expert should add tex may be required and a LLDP attribute map SuggestedRemedy Add on line 40, "Editor's Note: readers are dual-signature PDs." This comment should solution is provided to addess the comment	77 <i>L</i> 40 Simply, Broadco X tt covering dual-signature would also then be requir encouraged to improve th d not be considered satisfit t made.	# <u>304</u> DLL PDs. A state diagram red.	Replace existin 32:" Proposed Respons PROPOSED A Cl 33 SC 3 Schindler, Fred Comment Type Variable paran therefore it will anywhere and	ly ing text, " diag ase Res ACCEPT. 33.6.3.2 TR Co meter_type is de Il only have valu d is required to c	P 179 Seen Simply, mment Status X etermined only by Type	L 18 Broadco e 1 and 2 functi od_allocated_po	# <u>30</u> Pre on set_param	5 es: Schindler eter_type,
I don't think adding editor's notes pointing of this point. We need actual soluitions. Cl 33 SC 33.6 P 1 Schindler, Fred Seen Comment Type TR Comment Status A DLL subject matter expert should add tex may be required and a LLDP attribute map SuggestedRemedy Add on line 40, "Editor's Note: readers are dual-signature PDs." This comment should solution is provided to addess the commen	77 <i>L</i> 40 Simply, Broadco X tt covering dual-signature would also then be requir encouraged to improve th d not be considered satisfit t made.	# <u>304</u> DLL PDs. A state diagram red.	Replace existin 32:" Proposed Respons PROPOSED A Cl 33 SC 3 Schindler, Fred Comment Type Variable paran therefore it will anywhere and SuggestedRemedy	ly ing text, " diag ase Res ACCEPT. 33.6.3.2 TR Co meter_type is de Il only have valu I is required to c	P 179 Seen Simply, mment Status X etermined only by Type ues 1 and 2. Variable p	L 18 Broadco e 1 and 2 functi od_allocated_po	# <u>30</u> Pre on set_param	95 es: Schindler eter_type,
I don't think adding editor's notes pointing of this point. We need actual soluitions.         Cl 33       SC 33.6         P1         Schindler, Fred       Seen         Comment Type       TR         Comment Type       TR         Comment Status         A DLL subject matter expert should add texmay be required and a LLDP attribute map         SuggestedRemedy         Add on line 40, "Editor's Note: readers are dual-signature PDs." This comment should solution is provided to addess the comment         Proposed Response       Response Status	77 <i>L</i> 40 Simply, Broadco X tt covering dual-signature would also then be requir encouraged to improve the not be considered satisfit t made. W	# <u>304</u> <i>DLL</i> PDs. A state diagram red. the DLL to encorporate ied until an acceptable	Replace existin 32:" Proposed Respons PROPOSED A Cl 33 SC 3 Schindler, Fred Comment Type Variable paran therefore it will anywhere and SuggestedRemedy	ly ing text, " diag ase Res ACCEPT. 33.6.3.2 TR Co. TR Co. TR Co. I only have valu I is required to c ly s provided in sc	P 179 Seen Simply, mment Status X etermined only by Type ues 1 and 2. Variable p determine PSE_INITIA	L 18 Broadco e 1 and 2 functi od_allocated_po	# <u>30</u> Pre on set_param	5 es: Schindler eter_type,

Pa **179** Li 18

C/ 33 SC 33.6.3.2 Yseboodt. Lennart	P <b>179</b> Philips	L 19	# 475	CI <b>33</b> Law. David	SC 33.6.3.3	<i>P</i> 179 HPE	L <b>43</b>	# 336	
The constant PSE_INITIAL_VALUE different for Type 1/2 and Type 3/4. Since we want to avoid splitting the variable that is causing trouble, we s SuggestedRemedy Adopt yseboodt_02_0916_pseinitial Proposed Response Response TFTD WFP C/ 33 SC 33.6.3.2 Schindler, Fred	DLL state diagrams, should initialize it diffe value.pdf <i>Status</i> <b>W</b> <i>P</i> <b>179</b> Seen Simply, Broa <i>t Status</i> <b>D</b>	and this is (for r erently dependir <i>L</i> <b>35</b> Idco	now) the only	that it is system.' Power V and Mirr SuggestedR Suggest [1] For th PDRequ Request [2] For th PSEAllo Allocater [3] For th PSEAllo	clause 33.6.3.3 The copy of P . PDRequester ia MDI TLV. TI oredPSEAlloca emedy that: ne MirroredPDI estedPowerValue ne MirroredPSI catedPowerValue ne MirroredPSI catedPowerValue ne MirroredPSI catedPowerValue	HPE Comment Status D definition of the MirroredPDF DRequestedPowerValue that dPowerValue should be the PI here is a similar issue with the atedPowerValueEcho varibles RequestedPowerValueEcho varibles RequestedPowerValue variabl lue that the' should be char field in the Power Via MDI TL EAllocatedPowerValueEcho va- lue that the' should be char field in the Power Via MDI TL EAllocatedPowerValueEcho va- lue that the' should be char field in the Power Via MDI TL EAllocatedPowerValueEcho va- lue that the' should be char field in the Power Via MDI TL EAllocatedPowerValueEcho va- lue that the' should be char field in the Power Via MDI TL Response Status W	the PSE receiv D Requested Po MirroredPSEA	es from the remot ower Value field ir llocatedPowerVal opy of copy of the PD opy of copy of the PSE ' copy of	e n the
Use the cross reference, " found i	in 33.3.8.2.1." <i>Status</i> <b>W</b>			PROPO Cl 33 Schindler, Fr Comment Ty Variable request before D SuggestedR At the er marked 35. Proposed Re	SED ACCEPT SC 33.6.3.3 ed pe TR MirroredPDRe because this to raft 1.0. The c emedy nd of this defini COMMENT-1 i	P 179 Seen Simply, I Comment Status D equestedPowerValueEcho was ext is missing from the 802.3a correction is missing values. tion add, "Values: 0 through 9 s accepted. Use the same co Response Status W	s likely added d t-2009 specifica 199" Note this a	ation but appears	ent

Pa **179** Li **48** 

CI 33	SC 33.6.3.3	P 1	<b>79</b> L	. 49	#	337
Law, David		HPE				
Comment Ty	vpe T	Comment Status	D			DLL

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

#### SuagestedRemedv

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

Proposed Response Response	se Status W
----------------------------	-------------

PROPOSED ACCEPT.

C/ 33	SC 33.6.3.3	P 180	L <b>25</b>	# 338
Law, David	t	HPE		
Comment	Type TR	Comment Status D		DU

Comment Type Comment Status D TR

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

#### SuagestedRemedv

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

#### Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

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

Removed extra "in" from "maps in to"

C/ 33	SC 33.6.3.3	P 180	L <b>43</b>	# 30	9
Schindler,	Fred	Seen Simply,	Broadco		
Comment	Type <b>TR</b>	Comment Status D			DLL

Variable parameter type is determined only by Type 1 and 2 function set parameter type. therefore it will only have values 1 and 2. The value of this variable is not used by the Type 3 and 4 PSE state diagram (it is a don't care).

### SuaaestedRemedv

Delete text for values 3 and 4. Modify legacy sentence,

"A control variable output by the PSE state diagram (Figure 33-13) used by a Type 2. Type 3, or Type 4 PSE to choose operation with Type 1, Type 2, Type 3, or Type 4 PSE output PI electrical requirement parameter values defined in Table 33–17."

to read

"A control variable output by the Type 1 and 2 PSE state diagram (Figure 33-13) used by a Type 2 PSE to choose operation with Type 1 or Type 2 PSE output PI electrical requirement parameter values defined in Table 33-17."

Proposed Response	Response Status	W
Proposed Response	Response Status	

PROPOSED ACCEPT.

C/ 33	SC 33.6.3.3		P 181	L <b>4</b>	#	310	
Schindler, Fred			Seen Simply,	Broadco			
_	_	_	-			_	

Comment Type **TR** Comment Status D

DLL

The DLL state diagram only requires pd\_dll\_power\_type values of 1 or 2 to set the electrical parameters. New types are required to support DLL so electrical parameters are fixed and do not require a transition from physical layer to DLL when a Type-2 PD is discovered. The value of this variable is not used by the Type 3 and 4 PSE state diagram (it is a don't care).

SugaestedRemedv

Delete text for values 3 and 4.

#### Modify legacy sentence

"A control variable that indicates the Type of PD that is connected to the PSE as advertised through Data Link Laver classification."

to read

"A Type 1 and 2 PSE state diagram control variable that indicates the Type of PD that is connected to the PSE as advertised through Data Link Layer classification. Type 3 and 4 PSE state diagrams do not use this variable.".

Proposed Response Response Status W

PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa <b>181</b>	Page 98 of 124
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	Li <b>4</b>	8/31/2016 3:49:37 PM
SORT ORDER: Page, Line		

C/ 33 SC 33.6.3.3 Schindler, Fred	P 181 L 38 Seen Simply, Broadco	# 312	C/ 33         SC 33.6.3.5         P 183         L 33         # 56           Tremblay, David         Hewlett Packard Enter
Variable pse_power_level is define other comments marked COMMEN SuggestedRemedy Delete this defintion. Proposed Response Response PROPOSED ACCEPT. C/ 33 SC 33.6.3.3 Schindler, Fred	NT-5. e Status W P 181 L 41 Seen Simply, Broadco nt Status D	DLL . This is related to # <u>311</u>	Comment Type       E       Comment Status       D       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 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.       W         Proposed Response       Response Status       W         PROPOSED REJECT.       The UCT is the logic that defines when to transition from MIRROR UPDATE to RUNNING. It cannot be used to reset a variable, that must be done inside a state.
SuggestedRemedy Add " Values: 3: The PSE has allocated Class 3 4: The PSE has allocated Class 4 5: The PSE has allocated Class 5 6: The PSE has allocated Class 6 7: The PSE has allocated Class 7 8: The PSE has allocated Class 8 Note that the phrase "or less is not at least class 3 power before DLL i Proposed Response Response PROPOSED ACCEPT IN PRINCIF OBE by 312	power. power. power. power." t used for class 3 because PSE a is operational. e Status W	re required to provide	TFTD         Cl 33       SC 33.6.3.5       P 184       L 10       # 314         Schindler, Fred       Seen Simply, Broadco         Comment Type       ER       Comment Status       D       Editorial         The symbols [] have no meaning in state diagrams and should be replaced by ().       SuggestedRemedy       Use () in the state diagram.         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       Also replace the "[]" with "()" in the Type 1/2 PSE State Diagram (page 62, line 41).
Cl 33 SC 33.6.3.4 Schindler, Fred Comment Type ER Commen Attribute hyper-links are not correc SuggestedRemedy Correct the hyper-links.	P 182 L 9 Seen Simply, Broadco <i>nt Status</i> D ct.	# <u>313</u> Editorial	

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 **184** Li **10** 

				<b>.</b> .			
C/ 33 SC 33.6.4.1 Tremblay, David	<i>P</i> 185 Hewlett Packard Er	L <b>27</b> # 55 nter		CI 33 SC 33 Yseboodt, Lennart	8.6.5 P 18 Philips	-	# 476
Comment Type E	Comment Status D		DLL	Comment Type	TR Comment Status	х	Pres: Yseboodt1
Use of the word "different diagram.	" on line 27 does not align with t	he PSE power control state	e	DLL Autoclass SuggestedRemedy	section is missing content.		
SuggestedRemedy					_01_0916_dllautoclass.pdf		
Replace the word "differe PSE power control state	nt" with "smaller" on line 27 in or diagram.	rder maintain consistency v	vith the	Proposed Response TFTD	·	w	
PSE_NEW_VALUE is sm UPDATE state	naller than PSEAllocatedPowerV	alue, it enters the MIRROF	R	WFP			
Proposed Response PROPOSED ACCEPT.	Response Status W			Cl 33 SC 33 Schindler, Fred		6 L 4 Simply, Broadco	# 316
C/ 33 SC 33.6.4.1	P 185	L <b>27</b> # <u>315</u>		Comment Type	TR Comment Status	x	Pres: Yseboodt1
Schindler, Fred	Seen Simply, Broad	dco			ubject matter expert should ac		
Comment Type TR	Comment Status D		DLL		d and a LLDP attribute map w comments marked COMMEN		ured. This comment is
PSEs to increase the PD to legacy text resulted in, PSE_NEW_VALUE is dif	aft 1.7 review covered in trembla power when a PSE has an incre "If the PSE is in sync with the F ferent than PSEAllocatedPower E_NEW_VALUE is assigned to	vased power budget. The c PD or if Value, it enters the MIRRO	change R	adding text and	Editor's Note: readers are end state diagrams as approporia n acceptable solution is provid	te." This comment sh	nould not be considered
PSE_NEW_VALUE is sm	LL SD Figure 33-49. The chang naller than" with "PSE_NEW due to this presentation. The fi			Proposed Response TFTD	e Response Status	w	
one highlighted in this co SuggestedRemedy				WFP			
produces the desired res local_system_change, wh increased power budget. the PSE is in synch. The normally occurs when the	E_NEW_VALUE is smaller than ult. A PSE that wants to increas nich results in PSE POWER REV The power budget is provided ir PD will only increase its deman PSE is also in synch. I suspec nd MIRROR UPDATE could be e a PD problem.	e the power provided asset /IEW, which results in the n state MIRROR UPDATE d when the PD is in synch, t that the PSE test betweer	when which state				
Proposed Response PROPOSED ACCEPT IN	Response Status W I 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** 

CI 33 Bennett, K	SC <b>33.6.5</b> Ken	P <b>186</b> Sifos Technolo	L <b>13</b> gies, In	# 54	<i>Cl</i> <b>33</b> Anslow, Pe	SC 33.8.1 te	<i>P</i> <b>188</b> Ciena	L 11	# 181
Comment	Type E	Comment Status X	-	Pres: Yseboodt1	Comment	Гуре Е	Comment Status D		Editoria
		transactions using "LLDP Frai			The pa	gination on the	first PICS page is wrong		
	actions in the star V Frame".	ndard use the more specific ter	rms: "Power vi	a MDI TLV", "LLDPDU",	Suggested	Remedy			
There	e isn't a formal "L	LDP Frame" definition in Claus	e 33, whereas	"TLV Frame" is			or 33.8.2.2, Paragraph dea Apply, should fix this.	signer, Pagination t	ab, uncheck Keep With
specifi	fically defined in	section 33.6.1.			Proposed I	Response	Response Status W		
Suggested	dRemedy				PROP	OSED ACCEP	Г.		
00		of "LLDP Frame" in table 33-60	to:		CI 33	SC 33.8.2	P 189	L <b>1</b>	# 158
-	-				Abramson,	David	Texas Ins	truments	
	Frame" or "LLDP	-			Comment	Type <b>TR</b>	Comment Status D		PICS
TFTD	Response	Response Status W			The PI	CS section of t	he draft has not been upda	ated to include Type	e 3 and Type 4.
WFP					Suggested Update		to include all new requiren	nents.	
C/ 33 Goergen, .	SC 33.7 Joel	<i>P</i> <b>186</b> Cisco	L <b>24</b>	# 538	Proposed I	Response	Response Status W		
Comment See G	51	Comment Status X an comments - needs environr	mental and sat	<i>Environmental</i> ety section	Has ar	iyone volunteer	ed for PICS duty for BT?	Craig?	
Suggested	dRemedy				TFTD				
See G	George Zimmerm	an comments - needs environ	mental and sat	ety section	CI 33	SC 33.8.2.2	P 189	L <b>24</b>	# 182
Proposed	Response	Response Status W			Anslow, Pe	te	Ciena		
TFTD	)				Comment	Гуре Е	Comment Status D		Editorial
l do no	ot see any comm	nents from George that cover th	his. Is there a	presentation?			" should be "IEEE Std 802 s only found in the .3bt am		laces since this is a
CI 33	SC 33.8	P 188	L <b>1</b>	# 180	Suggested	Remedy			
Anslow, Pe		Ciena Comment Status D		Editorial			2.3-201x" to "IEEE Std 80 ge in the Clause 79 PICS i		blaces.
The tit		is quoted in three places in the	PICS proform		Proposed I PROP	Response OSED ACCEP <sup>-</sup>	Response Status W		
Suggested	dRemedy								
		ria MDI" to "Data Terminal Equ MDI)" in the title of 33.8, on pag							
Proposed	Response	Response Status W							
PROP	POSED ACCEPT								
		ed ER/editorial required GR/g						189	Page 101 of 124
	IT STATUS: D/di	spatched A/accepted R/reject	ted RESPO	NSE STATUS: O/open W/w	ritten C/closed	U/unsatisfied	Z/withdrawn Li	24	8/31/2016 3:49

SORT ORDER: Page, Line

8/31/2016 3:49:37 PM

C/ 33 SC 33.8.2.3 Jones, Peter	<i>P</i> <b>189</b> Cisco	L <b>39</b>	# 257	CI 33 Ran, Adee	SC 33.8.3.1	P <b>191</b> Intel	L 14	# 70
SuggestedRemedy	Comment Status <b>D</b> sing updates to the PICS for t	type 3 & type 4.	PI	or any	DM3, the refere	Comment Status <b>D</b> need subclause 33.1.3.2 does in the base document it did, b		
Complete the required F Proposed Response PROPOSED ACCEPT I OBE by 158	Response Status W			Proposed	to the base do Response	cument text or delete this iten <i>Response Status</i> <b>W</b> Γ IN PRINCIPLE.	n.	
C/ 33 SC 33.8.2.4	P <b>190</b>	L 13	# 183		ve COM3			
Anslow, Pete Comment Type <b>T</b> The status of item *MID	Ciena Comment Status X A is "MID:O:2"		PI	CI <b>33</b> ICS Walker, Dy	SC <b>33.8.3.2</b> /lan	P 191 Cisco Comment Status D	L <b>53</b>	# [ <u>57</u>
So, the "MID:O" part me	e condition, dependent on the	PSE.				formance of connection chec	k as described i	n 33.2.6.1 is missing.
<item>: simple-predicate So, the "MID:O" part me The ":2" part seems to w have to be at least two r SuggestedRemedy</item>	e condition, dependent on th eans optional for a midspan l violate the syntax. When ther rows containing that number.	PSE. re is a number (a		Suggested Insert PSE 1	<i>Remedy</i> the PICS for co 0   Connection	nnection check: check   33.2.6.1   Performed v	via the PSE PI b	-
<item>: simple-predicate So, the "MID:O" part me The ":2" part seems to v have to be at least two r SuggestedRemedy Please explain the mean Proposed Response</item>	e condition, dependent on the eans optional for a midspan f violate the syntax. When the rows containing that number. ning of "MID:O:2" or correct Response Status W	PSE. re is a number (a		Suggested Insert PSE 1 PSEs Proposed	Remedy the PICS for co 0   Connection that will deliver Response	nnection check: check   33.2.6.1   Performed   power on both pairsets   M   \ <i>Response Status</i> <b>W</b>	via the PSE PI b	-
<item>: simple-predicate So, the "MID:O" part me The ":2" part seems to v have to be at least two r SuggestedRemedy Please explain the mean Proposed Response TFTD (needs review/exp</item>	e condition, dependent on the eans optional for a midspan f violate the syntax. When the rows containing that number. ning of "MID:O:2" or correct Response Status W	PSE. re is a number (a it.		Suggested Insert PSE 1 PSEs Proposed PROP	Remedy the PICS for co 0   Connection that will deliver Response OSED ACCEP y 158	nnection check: check   33.2.6.1   Performed • power on both pairsets   M   \	via the PSE PI b	-
<item>: simple-predicate So, the "MID:O" part me The ":2" part seems to v have to be at least two r SuggestedRemedy Please explain the mean Proposed Response TFTD (needs review/exp C/ 33 SC 33.8.3.2 Bullock, Chris Comment Type ER</item>	e condition, dependent on the eans optional for a midspan f violate the syntax. When the rows containing that number. ning of "MID:O:2" or correct Response Status W pert) P 191	PSE. re is a number (a it. <i>L</i> s	as per 1 or 3) there # 258	Suggested Insert PSE 1 PSEs Proposed PROP OBE b Some C/ 33	Remedy the PICS for co 0   Connection that will deliver Response OSED ACCEP by 158 one needs to acc SC 33.8.3.5	nnection check: check   33.2.6.1   Performed p power on both pairsets   M   Y <i>Response Status</i> W F IN PRINCIPLE. Id all the Type 3 and 4 PICS <i>P</i> <b>201</b>	via the PSE PI b	-
<item>: simple-predicate So, the "MID:O" part me The ":2" part seems to w have to be at least two r SuggestedRemedy Please explain the mean Proposed Response TFTD (needs review/exp C/ 33 SC 33.8.3.2 Bullock, Chris Comment Type ER All Type 3 and Type 4 S SuggestedRemedy</item>	e condition, dependent on the eans optional for a midspan f violate the syntax. When their rows containing that number. ning of "MID:O:2" or correct i Response Status W pert) P 191 Cisco System: Comment Status D	PSE. re is a number (a it. <i>L</i> s PICS	as per 1 or 3) there # 258 Pl	Suggested Insert PSE 1 PSEs Proposed PROP OBE b OBE b Some C/ 33 Anslow, Pe Comment	IRemedy the PICS for co 0   Connection that will deliver Response OSED ACCEP by 158 one needs to ac SC 33.8.3.5 ote Type E	nnection check: check   33.2.6.1   Performed + power on both pairsets   M   Y <i>Response Status</i> W F IN PRINCIPLE. Id all the Type 3 and 4 PICS <i>P</i> 201 Ciena <i>Comment Status</i> D	via the PSE PI b /es []	by Type 3 and Type 4
<item>: simple-predicate So, the "MID:O" part me The ":2" part seems to v have to be at least two r SuggestedRemedy Please explain the mean Proposed Response TFTD (needs review/exp C/ 33 SC 33.8.3.2 fullock, Chris Comment Type ER All Type 3 and Type 4 S SuggestedRemedy Add a conformance stat</item>	e condition, dependent on the eans optional for a midspan f violate the syntax. When the rows containing that number. ning of "MID:O:2" or correct i <i>Response Status</i> <b>W</b> pert) <i>P</i> <b>191</b> Cisco System: <i>Comment Status</i> <b>D</b> Shalls are missing from teh P tement for each Type 3 and <i>Response Status</i> <b>W</b>	PSE. re is a number (a it. <i>L</i> s PICS	as per 1 or 3) there # 258 Pl	Suggested Insert PSE 1 PSEs Proposed PROP OBE b OBE b C/ 33 Anslow, Pe Comment "ANSI. "ANSI.	IRemedy the PICS for co 0   Connection that will deliver Response OSED ACCEP by 158 one needs to ac SC 33.8.3.5 ote Type E TIA-568-C.2" is TIA/EIA-568-A:	nnection check: check   33.2.6.1   Performed y power on both pairsets   M   Y <i>Response Status</i> W F IN PRINCIPLE. Id all the Type 3 and 4 PICS <i>P</i> <b>201</b> Ciena	via the PSE PI b /es []	by Type 3 and Type 4
<item>: simple-predicate So, the "MID:O" part me The ":2" part seems to w have to be at least two r SuggestedRemedy Please explain the mean Proposed Response TFTD (needs review/exp C/ 33 SC 33.8.3.2 Bullock, Chris Comment Type ER All Type 3 and Type 4 S SuggestedRemedy Add a conformance stat Proposed Response</item>	e condition, dependent on the eans optional for a midspan f violate the syntax. When the rows containing that number. ning of "MID:O:2" or correct i <i>Response Status</i> <b>W</b> pert) <i>P</i> <b>191</b> Cisco System: <i>Comment Status</i> <b>D</b> Shalls are missing from teh P tement for each Type 3 and <i>Response Status</i> <b>W</b>	PSE. re is a number (a it. <i>L</i> s PICS	as per 1 or 3) there # 258 Pl	Suggested Insert PSE 1 PSEs Proposed PROP OBE b Some C/ 33 Anslow, Pe Comment "ANSI, "ANSI, Suggested	IRemedy the PICS for co 0   Connection that will deliver Response OSED ACCEP by 158 one needs to ac SC 33.8.3.5 ete Type E TIA-568-C.2" is TIA/EIA-568-A: IRemedy ve "ANSI/TIA-56	nnection check: check   33.2.6.1   Performed y power on both pairsets   M   Y <i>Response Status</i> W F IN PRINCIPLE. Id all the Type 3 and 4 PICS <i>P</i> 201 Ciena <i>Comment Status</i> D s in strikethrough font	via the PSE PI b fes []	by Type 3 and Type 4 # <u>184</u> <i>Edit</i>

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 Pa 201

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 Li
 48

 SORT ORDER: Page, Line
 Response Status: O/open W/written C/closed U/unsatisfied Z/withdrawn
 Li
 48

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8/31/2016 3:49:37 PM

Cl 79 So Grow, Robert	C 79.1	P <b>207</b> RMG Consulting	L <b>4</b>	#	144	C/ <b>79</b> Carlson, S	SC <b>79</b> Steven	P 208 HSD/Ro	<i>L</i> 1 bert Bosch	# 4
Comment Type	, E	Comment Status D			Editorial	Commen		Comment Status	D	Editorial
I assume th reviewer. T		including all of 30.9 through 30-′ I be noted.	12 is for con	vienence of	the			ubclause from the base change instructions and		copied into Clause 79. It has actually changed.
SuggestedRem	nedy					Suggeste	dRemedy			
	ce of the rev	e explaining that unchanged Cla viewer, and should be removed b				http:/	/grouper.ieee.org	rial guidelines for chang /groups/802/3/WG_tool:	s/editorial/requireme	nts/words.html
Proposed Resp	oonse	Response Status W				'	<i>I Response</i> POSED ACCEPT	Response Status N	N	
						OBE	by 124			
OBE by 124	4					C/ 33	SC 79	P 208	3 L 2	# 237
	C 79	P 208	L 1	#	157	Darshan,	Yair	Microse	emi	
Laubach, Mark		Broadcom Limite Comment Status D	ed			Commen	tType TR	Comment Status	כ	LLDP
being chang level leadin	ged, it does ig up to the ructions, an nedy	at is being changed in existing C sn't need to be in this draft. Only new/changed subclauses, the s d the added/changed text for the Response Status W	the first subclause h	bclause hea eader of inte	ders for each	he ca As a <i>Suggeste</i> Add i physi	n't do it since DL result, we need to dRemedy	L do not have the physic add to TLVs information tor Note: If TLVs doesni	cal PD class. on, the PD physical o t contain information	·
PROPOSE	D ACCEPT	IN PRINCIPLE.				PRO	POSED REJECT			
OBE by 124								g Editor's notes that sh WG. Please submit a		pleteness. They will just is.
Cl <b>79</b> So Hajduczenia, M	C <b>79</b> larek	P <b>208</b> Charter Commu	L <b>1</b> nicatio	# [	124	TFTE	)			
Comment Type	ER	Comment Status D			Editorial					
		sts in 802.3-2015 and only modif able 79-1, Table 79-4, etc. The ເ								
SuggestedRem	nedy									
		e all unchanged text and subclau content with appropriate editoria								
Proposed Resp PROPOSE		Response Status W								
	ATUS: D/di	ed ER/editorial required GR/gen spatched A/accepted R/rejecte					d U/unsatisfied		Pa <b>208</b> Li <b>2</b>	Page 103 of 124 8/31/2016 3:49::

SORT ORDER: Page, Line

24 8/31/2016 3:49:37 PM

Cl         79         SC         79.1         P 208         L 5           McClellan, Brett         Marvel	# 542	C/ 33 Darshan	SC <b>79</b> Yair	P <b>211</b> Microsemi	<i>L</i> 1	# 195		
Comment Type ER Comment Status D Clause 79 contains sections unchanged from the base stand included within this amendment.		Clau type	Comment Type TR Comment Status X Clause 79. IEEE 802.3 Organizationally Specific Link Layer Discovery Pr type, length, and value (TLV) information elements, need to be updated v information needed for the current spec and optional features to support of					
SuggestedRemedy Remove sections 79.1 to 79.2. Section 73.1 remove the unc rows in Table 79-1. Remove sections 79.3.1 to 79.3.1.4. Se unchanged text. Section 79.3.2.1 remove the unchanged tex 79-3 and insert editing instructions for 79-3. In section 79.3.2. Remove sections 79.3.2.3, 79.3.2.4 and Table 79-4. Remove 79.3.2.4.3. Sections 79.3.2.5 and 79.3.2.6 remove the uncha	ction 79.3.2 remove the tt and unchanged rows in 7 2.2 provide editing instructi e sections 79.3.2.4.2 to	PDs ed Suggest Table Ado ions. If no requ	PDs. SuggestedRemedy Adopt recommendations of darshan_13_0916.pdf if available for the meeting. If not ready, add to clause 79: "Editor Note: To verify if TLVs contain all the information required to DLL to support dual-signature DLL state machine in Figure 33-50 including optional information for future needs."					
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 124		Propose TFT WFI	_	Response Status W				
C/         79         SC         79.3         P 210         L 1           Anslow, Pete         Ciena	<b>6</b> # 185	<i>Cl</i> <b>79</b> Law, Da	SC <b>79.3.2</b> /id	2.1 <i>P</i> 212 HPE	L <b>26</b>	# 339		
Comment Type       T       Comment Status       D         Table 79-1 has been modified by IEEE Std 802.3br-2016         SuggestedRemedy         Change the editing instruction to: "Change Table 79-1 (as m		Equ Spe	able 79–3 'MDI pment (PSE) N cific TLV/LLDP	Comment Status <b>D</b> power capabilities/status' bit 1 IDI power Support' yet in Table Local System Group managed eferences' describes this bit as	79–8 'IEEE 802	2.3 Organizationally		
2016) as follows:" and include the changes made by 802.3br Check that the 802.3br changes don't affect the other parts of changed by this draft. Proposed Response Response Status W	of Clause 79 that are being	g Sinc 79-8 Sup	SuggestedRemedy Since the other bits use 'PSE' rather than 'Power Sourcing Equipment (PSE)', and Ta 79-8 uses 'PSE' for this bit, suggest that 'Power Sourcing Equipment (PSE) MDI power Support' be changed to read 'PSE MDI power Support'.					
PROPOSED ACCEPT.			d Response POSED ACCE	Response Status W				

Pa **212** Li **26** 

CI 79	SC 79.3.2.2	P <b>2</b> ′	1 <b>2</b> L4	2 #	340
Law, David		HPE			
Comment Ty	pe TR	Comment Status	D		LLDP

Subclause 79.3.2 defines both the 8 bits of the 'PSE power pair' field (see 79.3.2.2), and the 2 bits of 'PSE power status' field (see table 79-6a), with the same name. This is despite the former field only supporting two enumerations (signal; spare), and the latter supporting three enumerations (Both Alternatives; Alternative A; Alternative B). Further, Table 79–8 'IEEE 802.3 Organizationally Specific TLV/LLDP Local System Group managed object class cross references' specifies a mapping from these two fields with different enumerations to the one attribute, aLldpXdot3LocPowerPairs. Similarly Table 79–9 'IEEE 802.3 Organizationally Specific TLV/LLDP Remote System Group managed object class cross references' specifies a mapping from these two fields to the one attribute, aLldpXdot3RemPowerPairs

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

SuggestedRemedy

Suggest that:

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

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

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

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

#### Proposed Response Response Status W

PROPOSED ACCEPT.

CI 79	SC 79.3.2.4		P 213	L 6	# 341
Law, David	d		HPE		
-	_	_	-		

Comment Type T Comment Status D 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

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'.

Proposed Response	Response Status	W	
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PROPOSED ACCEPT.

C/ 00	SC 0	P <b>214</b>	L <b>20</b>	# 62
Ran, Adee	Э	Intel		
Comment	Type TR	Comment Status D		Editorial

The comma 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)

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).")

## SuggestedRemedy

Change decimal marker from comma to period across the document.

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

OBE by 255

CI 79 SC 79.3.2	2.6 P 21	14 <i>L</i> 40	# 318	CI <b>79</b>	SC 79.3.2.	6a P 214	L <b>54</b>	#	186	
Schindler, Fred	Seen S	Simply, Broadco		Anslow, Po	ete	Ciena				
Comment Type TR	Comment Status	Х	LLDP	Comment	Туре Е	Comment Status D			E	ditorial
	t 160 resulted in using the			We do	o not use the te	erm "Section" when referring to	o another part of	the draft.		
	nues were permitted to sta made all values start at 1.		ues were required to start are normally zero but	Suggested	Remedy					
this value is allowed starting references	d for values that have me would have them all start	aning. Using zero rati t at the same value an	her than one for all ad permit a means for the			nstruction to: "Insert 79.3.2.6a 2.6 as follows:"	a, 79.3.2.6b, 79.3	.2.6c, 79.3	3.2.6d and	ł
	PSE that power should be sion are in progress now) LV.			Proposed PROP	Response OSED ACCEF	Response Status W				
SuggestedRemedy				CI 79	SC 79.3.2.	6a P 215	L 6	#	125	
	values with zero (0).			Hajduczen	ia, Marek	Charter Cor	nmunicatio			
page 214, line 15, a page 179, line 47.	and 40.			Comment	Туре Е	Comment Status D			E	ditorial
page 180 lines 3, 1 Delete section 79.3	3.2.6e on page 217.			If Tabl inserte		ew table, there is no need to u	ise any underline	e in the tab	le to indic	ate
	ct the TLV, delete the "Po 18 to 17. This comment is			Suggested	Remedy					
COMMENT-1.				Remo	ve all underline	e from Table 79-6a. The same	e applies for Tabl	e 79-6b		
Proposed Response	Response Status	w		Proposed	Response	Response Status W				
TFTD (needs review	w)			PROP	OSED ACCER	РТ.				
C/ 79 SC 79.3.2 Schindler, Fred		14 L 52 Simply, Broadco	# 317							
Schindler, Fleu	Comment Status	D	Editorial							
Comment Type TR	anged and a typo resulte	d in " compute Pas	" rather than "							
Comment Type TR Legacy text was ch	anged and a typo resulte	d in " compute Pas	" rather than "							

Pa **215** Li **6** 

C/ 79	SC 79.3.2.6b	P 216	L <b>25</b>	# 342		C/ 79	SC 79	P 216	L <b>26</b>	# 247
aw, David		HPE				Darshan, Yair		Microsemi		
Comment Ty	ype TR	Comment Status D			LLDP	Comment Typ	e TR	Comment Status D		LLDP
Table 79	9–8 'IEÉE 802.3	etup value field' defines a 'P Organizationally Specific T	LV/LLDP Local	System Group	eld yet			setup value field bit 1: e function PD load value/meanin	g is relevant to	o dual-signature PD only.
		ross references' does not lis se fields defined in Clause			70_0	SuggestedRe	nedy			
'IEEE 80		onally Specific TLV/LLDP Re				"Note: Th		bit 1 "value/meaning" column: evant to dual-signature PD only a	and has no me	aning when single-
SuggestedR	Remedy					Proposed Res				
Suggest						,	,	Response Status W PT IN PRINCIPLE.		
[1] The f	following entries	be added to Table 79–8:				Change d	efinitions o	f "1" and "0" as follows:		
PD load PD Mod	l-	Xdot3LocPDLoad aLldpXdot3LocPDModeSele	ction			"1 = PD is isolated.	dual-signa	ature and power demand on Mod	de A and Mode	B are electrically
package	e' in Table 30-7	ributes to the 'LLDP Power's as well as definitions for each					single-sign ectrically is	ature or dual signature with pow olated."	er demand on	Mode A and Mode B
30.12.2.	.1 'LLDP Local S	System Group attributes':				See 319.				
	lot3LocPDLoad lot3LocPDMode	Selection								
[3] The f	following entries	be added to Table 79–9:								
PD load PD Mode		Xdot3RemPDLoad aLldpXdot3RemPDModeSel	ection							
package	e' in Table 30-7	ributes to the 'LLDP Power' as well as definitions for eac e System Group attributes':								
	lot3RemPDLoad lot3RemPDMod									
Proposed Re	esponse	Response Status W								

PROPOSED ACCEPT.

Pa 216 Li **26** 

C/ 79         SC 79         P 216         L 29         # 248           Darshan, Yair         Microsemi	C/         79         SC         79.3.2.6b.2         P 216         L 34         #         477           Yseboodt, Lennart         Philips
Comment Type TR Comment Status D LLDP	Comment Type T Comment Status D LLDF
Comment Table 79-6b System setup value field bit 0, value/meaning: 1 = PD requested power applies to Mode A pairset 0 = PD requested power applies to Mode B pairset	The 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.
The problems are:	SuggestedRemedy
<ol> <li>System wise we need to know WITHIN single transaction what is the PD requested power for Mode A pairset and for Mode B pairset simultaneously.</li> <li>1.1It looks that this bit covers operation on 2-pairs only.</li> <li>2.2Currently it says that "PD requested power applies to Mode A pairset or Mode B pairset</li> </ol>	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."
but no information about what both pairsets requested power are. 1.34-pairs operation is not covered	Proposed Response Response Status W PROPOSED ACCEPT.
SuggestedRemedy	
<ol> <li>Add additional bit/s to indicate dual-signature PD or Single-signature PD. Use bits 7:4 reserved bits to indicate:</li> </ol>	Cl 79         SC 79.3.2.6b.3         P 216         L 37         #         320           Schindler, Fred         Seen Simply, Broadco
-Dual-signature Type 3 (use reserved codes "1011").	Comment Type T Comment Status D LLDF
-Dual-signature Type 4 (use reserved codes "1010"). -The other Type 3 and 4 PDs in bits 7:4: add the "single-signature Type x PD" 2. Split Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. 3. Update Figure 79-3, PD requested power value for the final number of octects.	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.
Proposed Response Response Status W	SuggestedRemedy
PROPOSED ACCEPT IN PRINCIPLE.	Replace Table 79-6b bit- 2 function and value/meaning fields with, "Reserved" and "Transmit as zero. Ignore on receive.", respectively. Delete section 79.3.2.6b.3.
Change bits for Power Type as follows: 1 0 1 1 = Type 4 dual-signature PD 1 0 1 0 = Type 4 single-singature PD 1 0 0 1 = Type 4 PSE 1 0 0 0 = Type 3 dual-signature PD 0 1 1 1 = Type 3 single-signature PD	Proposed Response Response Status W
	PROPOSED ACCEPT.

The rest of the changes are TFTD.

Pa **216** Li **37** 

<i>Cl</i> <b>79</b> Yseboodt,	SC 79.3.2.6 Lennart	b.3 P 216 Philips	L 37	# 478	Cl <b>79</b> S Law, David
Comment	Туре Т	Comment Status D		LLDP	Comment Type
For si For du	ngle-signature F Jal-signature PD	ystem setup field is not in line PDs, the communicated Class os, the communicated Class of cate that choice is possible wh	is for the entire n a pairset is for	PD.	This field is available p and aLldpX 802.3 Orga
Suggested TFTD					cross refer System Gr missing the field' the fu
	Ŭ	eaning to this bit, we should r	emove it.		SuggestedRen
'	Response POSED ACCEP	Response Status W			Suggest th
OBE b	oy 320				[1] The 'Fu be change
CI 79	SC 79.3.2.6	b.5 <i>P</i> 216	L 51	# 319	[2] The 'TL read 'PSE
Schindler,	Fred	Seen Simply,	Broadco		[3] The 'TL
Comment	Type TR	Comment Status D		LLDP	read 'PSE
	51	ify that the PD power Mode of	ption only has m		Proposed Resp PROPOSE
Suggested	dRemedy				FROFUSE
a dual the ne	-signature PD ( ext sentence with	when the power type is PD see 1.4.186a and 33.3.2) is th n "This field shall be set to 0 w U is a single-signature PD (se	e source of the hen the power t	LLDPPDU." Replace	

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl <b>79</b>	SC 79.3.2.6c	P 21	7 L 12	#	343
Law, David		HPE			
Comment Ty	pe T	Comment Status	D		LLDP

is defined in Figure 79–3 'Power Via MDI TLV format' as 'PSE Maximum power' and the related attributes are named aLldpXdot3LocPSEMaxAvailPower Xdot3RemPSEMaxAvailPower yet the related TLV variable in Table 79–8 'IEEE ganizationally Specific TLV/LLDP Local System Group managed object class erences' and Table 79–9 'IEEE 802.3 Organizationally Specific TLV/LLDP Remote Group managed object class cross references' is listed as 'PSE available power' ne work 'maximum'. In addition in Table 79-6c 'PSE maximum available power unction is described as 'PSE maximum available power value'.

## medy

hat:

unction' column in Table 79-6c that reads 'PSE maximum available power value' ed to read 'PSE maximum available power'.

LV variable' row in Table 79–8 that reads 'PSE available power' be changed to maximum available power'.

V variable' row in Table 79-9 that reads 'PSE available power' be changed to maximum available power'.

sponse Response Status W

ED ACCEPT.

Pa 217 Li 12

Cl 33         SC 79.3.2.6d         P 217         L 19         # 232           Darshan, Yair         Microsemi	CI 79         SC 79.3.7         P 218         L 11         # 60           Ran, Adee         Intel
Comment Type       TR       Comment Status       D       LLDP         The text says:       "Using the Autoclass field to trigger a new Autoclass measurement allows a PD to change maximum power consumption."       In addition Table 796d tries to specify some "handshake" parameters.       In addition Table 796d tries to specify some "handshake" parameters.	Comment Type       E       Comment Status       D       Editoria         Stray hyphen in trans-mission       SuggestedRemedy       delete hyphen       delete hyphen
I believe the definitions are incomplete and may cause issues. a)It is not clear who is initiating the request for new Autoclass measurement? b)What is the timing sequence?	Proposed Response Response Status W PROPOSED ACCEPT.
c)When to raise power? d)When to measure?	Cl         79         SC         79.3.7.1         P 219         L 4         #         61           Ran, Adee         Intel
e)Where is the final Acknowledge? F)The flow is missing. SuggestedRemedy	Comment Type E Comment Status D Editoria space before closing paren
Add "Editor Note: The timing and state flow is missing for the case when triggering new Autoclass measurements.	SuggestedRemedy delete space
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	Proposed Response Response Status W PROPOSED ACCEPT.
TFTD	C/ 33 SC 79.3.7.1 P 220 L 5 # 233
Remove "Annex 33C" from autoclass description (line 19)	Darshan, Yair Microsemi
Cl 79SC 79.3.7P 218L 5# 187Anslow, PeteCienaComment TypeERComment TypeERComment StatusDFelioral79.3.7 has already been added by IEEE Std 802.3br-2016	Comment Type       TR       Comment Status       X       LLDF         Table 79-6f - PD measurements       All measurements need to be for pairset A and B separately for accurate measurement.       Example: dual-signature dual load will have different voltages at the PD input over the modes.       Same for currents, energy, accuracy etc.
SuggestedRemedy Change the editing instruction to: "Insert 79.3.8 after 79.3.7 (as inserted by IEEE Std	SuggestedRemedy Add "Editor Note: Split Table 79-6f to Mode A and Mode B to have separate field."
802.3br-2016) as follows:" Renumber 79.3.7 to 79.3.8 Re-number Figure 79-3a to Figure 79-9 (since the last figure inserted by 802.3br was 79-8) Renumber Figures 79-6f through 79-6h to Figures 79-7b through 79-7d (since the last table inserted by 802.3br above this was Table 79-7a)	Proposed Response Response Status W TFTD
Proposed Response Response Status W PROPOSED ACCEPT.	

CI <b>79</b>	SC :	79.3.7.1	P 220	L <b>6</b>	# 63	
Ran, Adee			Intel			
Comment 7	Туре	т	Comment Status X			LLDP
encode	es that	value to a	is meaningless here. A bit to binary representation unles ase only affects the text rep	s stated otherwi		s not
Also ap	oplies to	o the next	two bit fields.			
Suggested	Remed	'y				
Either o		(decimal v	value of bits)" or change it to	o "(encoded as i	unsigned binary)"	in all
Proposed F	Respon	se	Response Status W			
TFTD (	(needs	review)				
C/ 79	SC :	79.3.7.1	P 220	L 16	# 64	
Ran, Adee			Intel			
Comment T	Туре	т	Comment Status X			LLDP
	ng of th		al value of bits) mV" is an a to, a voltage value is not "de			
l assun encode		measured	value is rounded down or to	o the nearest m	V and the result is	5
			ner occurences of "decimal s in the base document, bu			
Suggested	Remed	'y				
			ounded down and encoded	as unsigned bir	ary"	
or "VPort_	_PD-2F	∙ in mV un	its, rounded down and enco	oded as unsigne	d binary"	
(or rou	nded u	p or whate	ever is intended)			
			ever is intended) es in a simiar style (with app	propriate units a	nd resolution).	

Proposed Response Response Sta TFTD (needs review

CI <b>79</b>	SC 79.3.7.2	P <b>2</b>	21	L 44	#	479	
Yseboodt,	Lennart	Philip	s				
Comment	Type E	Comment Status	D				Editorial
		nt measurement. of IPORT and IPOR	T-2P				
Suggested Fix.	Remedy						
Proposed PROP	Response OSED ACCEPT	Response Status	w				
CI 79	SC 79.3.7.2	P <b>2</b>	21	L <b>44</b>	#	65	
Ran, Adee		Intel					
Comment x used		Comment Status plication sign, twice	D				Editorial
Suggested Chang	Remedy e to multiplicatio	n signs					
Proposed I PROP	Response OSED ACCEPT	Response Status	w				
CI 79	SC 79.3.7.3	P <b>2</b>	22	L <b>3</b>	#	68	
Ran, Adee		Intel					
Comment	Type <b>TR</b>	Comment Status	х				LLDP
comple power	etely implementa	description how this a ation dependent field? so, what should be d	Does	a number lower that	n 1000	indica	ate
Suggested	Remedy						
Clarify	the intent. If me	aning of this field is ir	nplem	entation dependent	olease	state	it.
Proposed I TFTD	Response	Response Status	w				

Pa **222** Li **3** 

C/ 79 SC 79.3.7.3 Ran, Adee	P 222 Intel	L 14	# 67	Cl <b>79</b> SC <b>79.3.7.3</b> P <b>222</b> L <b>15</b> # 66 Ran, Adee Intel
	Comment Status X	ere	LLDP	Comment Type E Comment Status D Editorial missing space before 65535
SuggestedRemedy delete these words				SuggestedRemedy insert space
Proposed Response TFTD	Response Status W			Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
C/ 79 SC 79.3.7.3 Anslow, Pete	P <b>222</b> Ciena	L 15	# 188	OBE by 188
Comment Type E space missing in "throu	Comment Status D		Editorial	CI 79         SC 79.3.7.4         P 222         L 20         #         69           Ran, Adee         Intel
SuggestedRemedy change to "through 655 Proposed Response PROPOSED ACCEPT.	335" Response Status W			Comment Type       TR       Comment Status       X       LLDP         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.       The status of
C/ <b>79</b> SC <b>79.3.7.3</b> Law, David	<i>P</i> 222 HPE	L 15	# 344	Proposed Response Response Status W TFTD
Comment Type E Suggest the text ' thro	Comment Status D Dugh65535' should be chang	ed to read ' thi	ough 65535'.	C/ 79 SC 79.4.2 P 224 L 1 # 126 Hajduczenia, Marek Charter Communicatio
SuggestedRemedy See comment.				Comment Type E Comment Status D Editorial Editorial instruction refers to Table 79-9/10 and shown tables are 79-8/9.
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE.			SuggestedRemedy Update editorial instruction to match proper tabel numbers
OBE by 188				Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
				Editor to figure out which number is right (see 189) and change either editorial instructions or Table numbers.

Pa **224** Li **1** 

C/ <b>79</b> SC <b>79.4.2</b> Anslow, Pete	P <b>224</b> Ciena	L <b>4</b>	# 189	C/ <b>79</b> Law, David	SC 79.4.2	<i>Р</i> <b>225</b> НРЕ	L <b>23</b>	# 346
Comment Type E	Comment Status D			Comment Ty	pe TR	Comment Status D		LLDP
51	-8 and 79-9 should be Tables 7	'9-9 and 79-10 (	as in the editing	Table 79 manage System	, )–8 'IEEE 802 d object class Group manag	.3 Organizationally Specific T cross references' lists a num jed object class attribute' colu hat have not been defined in (	ber of new attrik mn for the 'Pow	System Group outes in the 'LLDP Local
Re-number the table	es.			SuggestedR	emedy			
Proposed Response PROPOSED ACCE OBE by 126	Response Status W PT IN PRINCIPLE.			[1] Add a Table 30 [2] Add 1	a new 'LLDP I 0-7.	Power via MDI measurement attributes to the new 'LLDP Po ' package.	-	. ,
C/ <b>79</b> SC <b>79.4.2</b> Law. David	<i>Р</i> <b>224</b> НРЕ	L <b>35</b>	# 345	[3] Add (	definitions for	each of the following attribute Group attributes'.	as subclauses	of subclause 30.12.3.1
managed object cla System Group man- have not been defin SuggestedRemedy Add the following at package in Table 30	ributes to the 'LLDP Power via I-7 as well as definitions for eac al System Group attributes'. erClassx erTypex MaxAvailPower AutoclassSupport classCompleted classRequest	ber of new attrik mn for the 'Pow MDI Local Pack	outes in the 'LLDP Local er via MDI' TLV that rage (conditional)'	aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd aLidpXd	ot3LocPDMea ot3LocPDMea ot3LocPDMea ot3LocPDMea ot3LocPDMea ot3LocPDMea ot3LocPSEM ot3LocPSEM ot3LocPSEM ot3LocPSEM ot3LocPSEM ot3LocPSEM ot3LocPSEM ot3LocPSEM ot3LocPSEM ot3LocPSEM ot3LocPSEM	asVoltageSupport asCurrentSupport asEnergySupport asurementSource asurementVoltage asurementCurrent asurementEnergy easVoltageSupport easCurrentSupport easLnergySupport easurementSource easurementVoltage easurementVoltage easurementVoltage easurementCurrent easurementEnergy owerPriceIndex Response Status T IN PRINCIPLE.		
Proposed Response PROPOSED ACCE	Response Status W PT IN PRINCIPLE.			TFTD				
Defintions are need	ed.							
TFTD								

Pa **225** Li **23** 

Cl <b>79</b> SC <b>79.4.2</b> Law, David	<i>P</i> <b>226</b> HPE	L <b>32</b>	# 347	CI 79         SC 79.4.2         P 227         L 23         # 348           Law, David         HPE
managed object class of	Comment Status D 3 Organizationally Specific TI cross references' lists a numl managed object class attribu ned in Clause 30.	ber of new attril	outes in the 'LLDP	Comment Type         TR         Comment Status         D         LLD           Table 79–9 'IEEE 802.3 Organizationally Specific TLV/LLDP Remote System Group managed object class cross references' lists a number of new attributes in the 'LLDP Remote System Group managed object class attribute' column for the 'Power via MDI Measurements' TLV that have not been defined in Clause 30.         LLD
package in Table 30-7	Typex axAvailPower ttoclassSupport assCompleted assRequest DownRequest <i>Response Status</i> <b>W</b> IN PRINCIPLE.			SuggestedRemedy         [1] Add a new 'LLDP Power via MDI measurement Remote Package (conditional)' package to Table 30-7         [2] Add the following attributes to the new 'LLDP Power via MDI measurement Remote Package (conditional)' package.         [3] Add definitions for each of the following attribute as subclauses of subclause 30.12.3.1 'LLDP Remote System Group attributes'.         aLldpXdot3RemPDMeasVoltageSupport aLldpXdot3RemPDMeasCurrentSupport aLldpXdot3RemPDMeasurementSource aLldpXdot3RemPDMeasurementOltage aLldpXdot3RemPDMeasurementTurrent aLldpXdot3RemPDMeasurementEnergy aLldpXdot3RemPDMeasCurrentSupport aLldpXdot3RemPSEMeasVoltageSupport aLldpXdot3RemPSEMeasCurrentSupport aLldpXdot3RemPSEMeasCurrentSupport aLldpXdot3RemPSEMeasUntege
Cl 79 SC 79.4.2 Trowbridge, Steve Comment Type E Missing line under Max SuggestedRemedy Add the line Proposed Response PROPOSED ACCEPT.	Response Status W	L <b>49</b>	# 43 Editorial	aLldpXdot3RemPSEMeasurementCurrent aLldpXdot3RemPSEMeasurementEnergy Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Definitions are needed. TFTD

Pa **227** Li **23** 

C/         79         SC         79.5.2.1         P 228         L 15         # 127           Hajduczenia, Marek         Charter Communicatio         Charter Communicatio         End to be a comm	C/ 33A         SC 33A         P 233         L 8         # 145           Grow, Robert         RMG Consulting         Image: Construction of the second s
Comment Type       ER       Comment Status       D       Editorial         Changes to 79.5.2.1 are not really marked in any way at this time - it is not clear what was added / deleted.       It is not clear what was added / deleted.         SuggestedRemedy       Please update 79.5 (PICS for Clause 79) to show only changes (additions / deletions) and not show all PICS for Clause 79 with unmarked changes         Proposed Response       Response Status       W         PROPOSED ACCEPT.       It is not clear what was added in any way at this time - it is not clear what was added in any way at this time - it is not clear what was added in any way at this time - it is not clear what was added in a more status was added in any way at this time - it is not clear what was added in a more status was added in any way at this time - it is not clear what was added in a more status was a	Comment Type       E       Comment Status       D       Editoria         Looks like the book is now properly ordered.       SuggestedRemedy       Editoria         SuggestedRemedy       Remove the Editor's note.       Proposed Response       Response Status       W         PROPOSED ACCEPT.       OBE by 349       OBE by 349       OBE by 349       OBE by 349
CI 33A         SC 33A         P 233         L 8         # 349           Szczepanek, Andre         Inphi	C/ 33A     SC 33A     P 233     L 8     # 112       Hajduczenia, Marek     Charter Communicatio
Comment Type       E       Comment Status       D       Editorial         Redundant (or unimplemented) editors note giving instructions on what to do BEFORE WG ballot. This is the WG ballot !       Image: Comment Status       Image:	Comment Type       E       Comment Status       D       Editorial         Editorial note to be remved       SuggestedRemedy       Per comment       Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       V       V       V       V
SuggestedRemedy Remove editprs note Proposed Response Response Status W PROPOSED ACCEPT.	OBE by 349         P 233         L 8         # 104           C/ 33A         SC 33A         P 233         L 8         # 104           Zimmerman, George         CME Consulting, Aqua         CME Consulting, Aqua
Cl 33A       SC 33A       P 233       L 8       # 150         Laubach, Mark       Broadcom Limited         Comment Type       E       Comment Status       D       Editorial         Editor's note is not in proper format and looks like it should have been removed prior to going to Working Group ballot.       SuggestedRemedy         Remove the editor's note.       Proposed Response       Response Status       W	Comment Type       E       Comment Status       D       Editoira         Editior's note should have been removed, annex is in the right place in the frame book.       SuggestedRemedy       Delete editor's note         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       OBE by 349
PROPOSED ACCEPT IN PRINCIPLE. OBE by 349	

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 **233** Li **8** 

C/ 33A     SC 33A.3     P 233     L       Hajduczenia, Marek     Charter Communica	- <b>14</b> # 114	C/ 33ASC 33A.3P 233L 16# 113Hajduczenia, MarekCharter Communicatio
Comment Type E Comment Status D Seems that subclause numbering is off by 2	Editoria	Comment TypeTRComment StatusDAndThe term "Types" is not defined
SuggestedRemedy Change 33A.3 to 33A.1 and propagate through Annex 33A Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. 33A.1 is in the base document. Editor to renumber Annex		SuggestedRemedy Please consider specyfing what the particular meaning of "Types" is indended - PSE-D types or something altogether different Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "Types" to "PSE Types"
Does 33A.2 exist somewhere?		C/ 33A SC 33A.3 P 233 L 22 # 115
	- 16 # 71	Hajduczenia, Marek Charter Communicatio
tan, Adee Intel Comment Type TR Comment Status D	Anne	Comment Type E Comment Status D Editor
Seems like a normative requirement in an informative anno 33A.		SuggestedRemedy
Make this annex normative? Proposed Response Response Status W		Make sure it is placed in the middle of the equation and it is of proper size The same comment applies to all equations in Annex 33A, for % and Ohm symbols Proposed Response Response Status W PROPOSED ACCEPT.
Make this annex normative? Proposed Response Response Status W PROPOSED REJECT. These are cabling requirements and this annex was written normative requirements (no shalls).	n in a way to not include	The same comment applies to all equations in Annex 33A, for % and Ohm symbols         Proposed Response       Response Status       W         PROPOSED ACCEPT.         C/ 33       SC 33A.3       P 233       L 26       # 324         Shariff, Masood       Comment Status       D       An.
Make this annex normative? Proposed Response Response Status W PROPOSED REJECT. These are cabling requirements and this annex was written	n in a way to not include	The same comment applies to all equations in Annex 33A, for % and Ohm symbols         Proposed Response       Response Status       W         PROPOSED ACCEPT.         CI 33       SC 33A.3       P 233       L 26       # 324         Shariff, Masood       CommScope
Make this annex normative? Proposed Response Response Status W PROPOSED REJECT. These are cabling requirements and this annex was writter normative requirements (no shalls). This may be able to be done in a better way.	n in a way to not include	The same comment applies to all equations in Annex 33A, for % and Ohm symbols Proposed Response Response Status W PROPOSED ACCEPT.  Cl 33 SC 33A.3 P 233 L 26 # 324 Shariff, Masood CommScope Comment Type TR Comment Status D Ann Incorrect definitiono of resistance unbalance within a pair. SuggestedRemedy
Proposed Response       Response Status       W         PROPOSED REJECT.       These are cabling requirements and this annex was written normative requirements (no shalls).         This may be able to be done in a better way.	n in a way to not include	The same comment applies to all equations in Annex 33A, for % and Ohm symbols Proposed Response Response Status W PROPOSED ACCEPT.  Cl 33 SC 33A.3 P 233 L 26 # 324 Shariff, Masood CommScope Comment Type TR Comment Status D An Incorrect definitiono of resistance unbalance within a pair.  SuggestedRemedy Change: Rmax is the resistance of the channel conductor with the highest resistance

Pa **233** Li **26**  Page 116 of 124 8/31/2016 3:49:37 PM

C/ 33A SC 33A.4 Ran, Adee	P 233 Intel	L 34	# 73	Cl <b>33A</b> SC <b>33A.5</b> Ran, Adee	P <b>234</b> Intel	L <b>7</b>	# 72
Comment Type E "milliohm", here and in	Comment Status D other places. Standard symbol	ols should be us	<i>Editorial</i>	Comment Type E "guide lines"	Comment Status D		Editorial
Several occurences.				SuggestedRemedy change to "guidelines"			
SuggestedRemedy change to m(uppercase	e letter Omega)			Proposed Response	Response Status W		
Proposed Response	Response Status W			PROPOSED ACCEPT			
PROPOSED ACCEPT.	P 233	L <b>34</b>	# 530	C/ <b>33A</b> SC <b>33A.5</b> Ran, Adee	P <b>234</b> Intel	L 11	# 76
Stover, David	Linear Techno	-	# 530	Comment Type E	Comment Status D		Editorial
spelled out, rather than SuggestedRemedy	<ul> <li>milliohm or" This is one of using the standard symbol.</li> <li>with "0.1Ω" on P233, L34 an <i>Response Status</i> W</li> <li>IN PRINCIPLE.</li> </ul>		s where "ohm" is	Proposed Response PROPOSED ACCEPT	the equation, add a table for <i>Response Status</i> <b>W</b> IN PRINCIPLE. ables, he would be glad to imp		per class.
C/ 33A SC 33A.4 Hajduczenia, Marek	P <b>233</b> Charter Comm	L <b>50</b> nunicatio	# 116				
Comment Type E Text alignement in lines	Comment Status D s 50-51 is not correct		Editorial				
SuggestedRemedy Please make sure text i	in lines 50/51 has the same le	eft alignment as	text in line 42				
Proposed Response PROPOSED ACCEPT.	Response Status W						

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

C/ <b>33</b> SC <b>33A.5</b> Darshan, Yair	P <b>234</b> Microsemi	L 11	# 205	C/ <b>33A</b> Ran, Adee	SC 33	SA.5	P <b>234</b> Intel	L 11	# 75	
(See page 4 in darshan_07 Equation 33A-4 was impler the 4 equations apears in r The classes apears in the It should be according to: http://www.ieee802.org/3/b (Variable names in D2.0 ar	nented wrongly since Cata evers order. correct order. t/public/oct15/darshan_01_	_1015_Rev001.pdf	Pres: Darshan7	RPair Suggested Chang Proposed F	stent uni PD_min i R <i>emedy</i> e all equa	is alread ations to e	Comment Status <b>D</b> ) x RPair_PD_min + 0,080, y in Ohms. include Ohm units for the o Response Status <b>W</b>			Annex
SuggestedRemedy (See corrected equation in Change only the Equations Rpair_PD_max = 2.200* R	order as follows:			<i>Cl</i> <b>33A</b> Hajduczeni	SC <b>33</b> a, Marek		P <b>234</b> Charter Com	L 17 municatio	# 117	
Rpair_PD_max = 2.200 * R Rpair_PD_max = 2.010 * R Rpair_PD_max = 1.800* R Rpair_PD_max = 1.750* R		Comment T Incorre Suggested	ct use of	ER "will" in	Comment Status D "stringent requirement will	be needed"	E	ditoria		
Proposed Response R TFTD	esponse Status W				review th		uirement is needed" f key words in the whole dr	aft, includign "wi	ll", "must", etc se	e
WFP C/ 00 SC 0 Ran, Adee	P 234 Intel	L 11	# 74	Proposed F PROP	Response DSED AC		Response Status W			
	Comment Status <b>D</b> between equation and text.	E.g. R_Pair_PD_m	<i>Editorial</i>							
According to the style man applies to R for resistance.	ual (12.4) quantity symbols I for current, P for power,									
Roman letters.										
	tly italic in equation and tex	t, to follow style ma	anual, across the							

Pa **234** Li **17** 

arshan, Yair Microsemi	C/ 33         SC 33A.5         P 234         L 28         # 228           Darshan, Yair         Microsemi
comment Type         TR         Comment Status         X         Pres: Dars           (See page 4 in darshan_07_0916.pdf for editing marks)         In the following text:         "RPair_PD_max and RPair_ PD_min represent PD common mode input effective impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage Veff_pd_n, divided by the current through the path as described below and as shown in the example in Figure 33A-4, where n is the pair number."         1. Mixed use of "resistance" and "impedance". Use only resistance for contintency.           2. The common mode effective resistance is not sufficiently defined as done for Rsource (PSE) in 33.3.8.10 . Only how to measure it is defined.	n7 Comment Type E Comment Status X Pres: Darsham (See page 4 in darshan_07_0916.pdf for editing marks) Figure 33A-4 in Annex 33A.5 contains the resistors R1, R2, R3 and R4 that their index numbers should be subscripted as in their equations in page 235 lines 3-7. 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 R4. Proposed Response Response Status W TFTD
uggestedRemedy	
Chane lines 21-24 from: "RPair_PD_max and RPair_PD_min represent PD common mode input effective impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage Veff_pd_n, divided by the current through the path as described below and as shown in the example in Figure 33A-4, where n is the pair number." To: "RPair_PD_max and RPair_PD_min represent PD common mode input effective resistance of pairs of the same polarity. Common mode effective resistance is the resistance of two conductors of the same pair and their other components connected in parallel including the effect of PD pair-to-pair voltage difference of pairs with the same polarity (e.g. Veff_pd1-Veff_pd3 as shown in Figure 33A-4). The common mode effective	Cl 33A SC 33A.4 P 234 L 36 # 531 Stover, David Linear Technology Comment Type ER Comment Status D Editoria Figure 33A-4 labels for "R_pair_PD_max" and "R_pair_PD_min" are jumbled. SuggestedRemedy Relabel R2 to "R_pair_PD_min" and R3 to "R_pair_PD_max". Proposed Response Response Status W PROPOSED ACCEPT.
resistance Rn is the measured voltage Veff_pd_n, divided by the current through the pa as described below and as shown in the example in Figure 33A-4, where n is the pair number."	C/ 33B         SC 33B         P 237         L 2         # 79           Ran, Adee         Intel
roposed Response Response Status W TFTD	Comment Type         TR         Comment Status         D         PIC           Normative annex, but no PICS? <td< td=""></td<>
WFP	SuggestedRemedy Add PICS listing the normative requirements
	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

Pa **237** Li **2** 

C/ 33B SC 33B Ran, Adee	P <b>237</b> Intel	L <b>6</b>	# 81	C/ <b>33B</b> SC <b>33B.1</b> Hajduczenia, Marek	P <b>237</b> Charter Com	L 16 municatio	# 119
Comment Type E	Comment Status <b>D</b> uld be before the new annex	es and can cov	<i>Editorial</i> er both 33B and 33C.	Comment Type TR	Comment Status D x 33D" - said Annex does not	exist	
SuggestedRemedy Move before annex hea "Insert Annexes 33B an (see 802.3by or P802.3	d 33C as follows:"			SuggestedRemedy Either add the missing Proposed Response PROPOSED ACCEPT	Annex or revise the text to el Response Status W IN PRINCIPLE.	liminate referenc	ce to non-existing Annex
Proposed Response PROPOSED ACCEPT.	Response Status W			OBE by 532			
C/ <b>33B</b> SC <b>33B.1</b> Hajduczenia, Marek	P <b>237</b> Charter Comn	L 8 nunicatio	# 118	Cl 33 SC Annex 3 Darshan, Yair	Microsemi	L 16	# <u>193</u>
Comment Type ER No subclause numbers SuggestedRemedy	Comment Status D		Editorial		Comment Status X 6.pdf) reader to Annex 33D to find i e derived. This Annex is missi		
Please add subclause r Proposed Response PROPOSED ACCEPT	Response Status W			SuggestedRemedy See proposed remedy Proposed Response TFTD	in darshan_06_0916.pdf for <i>A</i> Response Status W	Annex D.	
There are annex number first one, 33B.1 (line 50)	ers, there is just a bunch of te ).	ext and a drawi	ng before you get to the	WFP			
Editor to renumber Annotether subclause numbe	ex 33B to put introductory m rs.	aterial into 33B	1 and increment all	C/ 33B SC 33B Ran, Adee	P <b>237</b> Intel	L 16	# 77
C/ <b>33B</b> SC <b>33B</b> Stover, David	P <b>237</b> Linear Techno	L <b>15</b> ology	# 532	Comment Type TR Annex 33D doesn't se	Comment Status D em to exist.		
compliant channel and does not include an Anr	Comment Status X on of R_load_max and R_loa PD effective resistances, car nex 33D.			SuggestedRemedy Add the required detai Proposed Response PROPOSED ACCEPT	Is here or conjure the missing <i>Response Status</i> W IN PRINCIPLE.	annex	
SuggestedRemedy May be OBE by stover_	01. If not, TFTD what to do	with Annex 33D		OBE by 532			
Proposed Response	Response Status W						
WFP							
TYPE: TR/technical required	d ER/editorial required GR/	general require	d T/technical E/editorial G/g	jeneral	Pa <b>2</b> 3	37	Page 120 of 124

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 **237** Li **16**  Page 120 of 124 8/31/2016 3:49:37 PM

C/33 SC Annex 3	3B P 237 Microsemi	L 16	# 250	C/ 33	SC Annex	B P 237 Microsemi	L 18	# 253
Darshan, Yair Comment Type <b>TR</b>	Comment Status X		Dreas Darahan	Darshan, Y Comment		Comment Status X		Dreas Darahan
(See darshan_06_091 Annex 33B directs the	6.pdf) reader to Annex 33D to find ir derived and other parts that a			Annex See da Suggesteo	B needs som arshan_07_09 <i>Remedy</i>	e updates. 16.pdf pages 5-8 for editing m		Pres: Darshan
and it is hard to see th the whole spec explair ago. Annex D content	ce all the parts of pair to pair e whole picture. I find it very u led in short in 1.5 pages and i was reviewed many times in t and base on it, the whole spec	seful to have sh t was planned to he original contr	ort summary that show be there long time	Proposed I TFTD		tes in darshan_07_0916.pdf p Response Status W	ages 5-8 for edit	ng marked document.
SuggestedRemedy		-		C/ 33B	SC 33B	P 237	L <b>22</b>	# 78
See proposed remedy	in darshan_06_0916.pdf for A	nnex D.		Ran, Adee		Intel		
Proposed Response TFTD	Response Status W			<i>Comment</i> Equati		Comment Status X es R_PSE_max. The sentence	e is not clear.	Pres: Darshan
WFP				The ne	ext paragraph	seems to repeat the same ide	a.	
In the text "A compliar	B3B P 237 Microsemi Comment Status X page 5 in darshan_07_0916.p t unbalanced load, Rload, cor D effective resistances."		# 201 Pres: Darshan7 nnel (cables and	to "the re Rload_	e lationship betv lationship betv _min and Rloa	veen PSE PI Equation (33–14 veen effective resistances at t d_max" e first sentence of the next pa	he PSE PI (Equa	– tion (33–14)) and
Rload is actually Rload In addition for improve	d_min and Rload_max as disc d clarity, to tie Rload with Rch	ussed in Annex an and RPair_ F	33B. PD.	Proposed TFTD	Response	Response Status W		
Change:	page 5 in darshan_07_0916.p ed load, Rload, consists of the ances."	,	s and connectors) and	WFP				
	ed load, Rload_min and Rload ffective resistances and PSE							
	Response Status W							
Proposed Response								
Proposed Response TFTD								

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

Pa **237** Li **22** 

Darshan, Yair       Microsemi         Comment Type       TR       Comment Status       X         Figure 33B-2:       1. The drawing looks like broken on the left side at the connections to V and Vdiff2.       2. The arrows marking the point of measuring Veff1, Veff1, Veff3 abd V sufficiently clear where they are pointing. Follow the original drawing date 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 date Proposed Response       Response Status       W         WFP       WFP       WFP       Microsemi	Veff4 are not larshan_03_0916.pdf	seems to apply to all SuggestedRemedy Consider moving to 3 Proposed Response PROPOSED ACCEP	2nd to last paragraph of introd ng. P <b>240</b>	ding of 33B?	
<ol> <li>The drawing looks like broken on the left side at the connections to V and Vdiff2.</li> <li>The arrows marking the point of measuring Veff1, Veff1, Veff3 abd V sufficiently clear where they are pointing. Follow the original drawing da for the intent.</li> <li>SuggestedRemedy Editor to:         <ol> <li>Fix the broken connection in Figure 33B-2. See reference in darshan_03_0916.pdf.</li> <li>To align the arrows to the correct position as exactly as shown in da</li> </ol> </li> <li>Proposed Response Response Status W TFTD</li> </ol>	Veff4 are not larshan_03_0916.pdf	seems to apply to all SuggestedRemedy Consider moving to 3 Proposed Response PROPOSED ACCEP Move text of 33B.4 to 237, line 45). Remove 33B.4 headi Cl 33 SC 33B.4	cases. Should it be in the head 3B (just before 33B.1). <i>Response Status</i> <b>W</b> T IN PRINCIPLE. 2nd to last paragraph of introd ng. <i>P</i> 240	ding of 33B?	in Annex 33B (page
<ul> <li>2. The arrows marking the point of measuring Veff1, Veff1, Veff3 abd V sufficiently clear where they are pointing. Follow the original drawing date for the intent.</li> <li>SuggestedRemedy         <ul> <li>Editor to:</li> <li>1. Fix the broken connection in Figure 33B-2.</li> <li>See reference in darshan_03_0916.pdf.</li> <li>2. To align the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in date the arrows to the correct position as exactly as shown in the arrows to the correct position as exactly as shown in the arrows to the correct position as exactly as shown in the arrows to the correct position as exactly as shown in the arrows to the correct position as exactly as shown in the arrows to the correct position as exactly as shown in the arrows to the correct position as exactly as shown in the arrows to the correct position as exactly as shown in the arrows to the correct position as exactly as shown in the arrows to the correct position as exactly as</li></ul></li></ul>	larshan_03_0916.pdf	Consider moving to 3 Proposed Response PROPOSED ACCEP Move text of 33B.4 to 237, line 45). Remove 33B.4 headi Cl 33 SC 33B.4	Response Status W T IN PRINCIPLE. 2nd to last paragraph of introd ng. P 240		
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 da <i>Proposed Response</i> Response Status W TFTD	arshan_03_0916.pdf.	PROPOSED ACCEP Move text of 33B.4 to 237, line 45). Remove 33B.4 headi C/ 33 SC 33B.4	T IN PRINCIPLE. 2nd to last paragraph of introd ng. P 240		
<ol> <li>Fix the broken connection in Figure 33B-2. See reference in darshan_03_0916.pdf.</li> <li>To align the arrows to the correct position as exactly as shown in da</li> <li>Proposed Response Response Status W</li> <li>TFTD</li> </ol>	arshan_03_0916.pdf.	Move text of 33B.4 to 237, line 45). Remove 33B.4 headi C/ 33 SC 33B.4	2nd to last paragraph of introd ng. P <b>240</b>		
Proposed Response Response Status W TFTD		C/ 33 SC 33B.4	P 240	L 37	# 252
			-	L 37	# 252
WFP		Darshan, Yair	Misusser		
			Microsemi		
CI 33       SC 33.B.1       P 238       L 30       # 44         Trowbridge, Steve       Nokia       Editori         Comment Type       E       Comment Status       D       Editori         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         Proposed Response       Response Status       W         PROPOSED ACCEPT.       PROPOSED ACCEPT.	<i>Editorial</i> between Vdiff1 and iple line segments	(see editing marks or "ICon_2P_unb and E resistance from 0.1 o When the PSE is test ohm < Rchan < 0.1 o (Rload_max – Rchan conformance to Equa	Comment Status X ntical to other comment in which page 8 in darshan_07_0916.p quation (33–14) are specified fi hm to 12.5 ohm and worst case ted for channel common mode hm, the PSE shall be tested wi ) to meet ICon-2P-unb requirer tion (33–14)." about Rchan-2P which range f	odf) for total channel e unbalance cor resistance less ith (Rload_min – ments and RPSI	common mode pair ntribution by a PD. than 0.1 ohm, i.e. 0 – Rchan) and E_min and RPSE_max
		(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 W		
		TFTD			
		WFP			

Pa **240** Li 37

C/ 33         SC 33B.4         P 240         L 37         # 200           Darshan, Yair         Microsemi	C/ A33CSC A33CP 241L 1# 480Yseboodt, LennartPhilips					
Comment Type       TR       Comment Status       D       Withdrawn         (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)."	Comment Type       ER       Comment Status       D       Edito         Page 1 of accepted baseline lukacs_01_0516_timings_baseline_rev5.pdf was not implemented in D1.8.       SuggestedRemedy       Implement page 1 of lukacs_01_0516_timings_baseline_rev5.pdf         Proposed Response       Response Status       W         PROPOSED ACCEPT.       Printps					
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					
1. Replace all "0.1 ohm" with "0.2 ohm".         2. Replace "Rchan" with "Rchan-2P".         Proposed Response       Response Status         Z       PROPOSED REJECT.         This comment was WITHDRAWN by the commenter.         C/ 33B       SC 33B.4         P 240       L 38         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 D 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 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	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	Proposed Response       Response Status       W         TFTD       Vair and Miklos, please work offline before the meeting to fix this. We can present your solution when we get to this comment.					

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

Cl 33       SC 33C.1.1       P 241       L 25       # 202       Cl 33       SC 33C.2         Darshan, Yair       Microsemi       Darshan, Yair       Darshan, Yair       Darshan, Yair         Comment Type       E       Comment Status       D       Editorial         "Figure 33C-2 illustrates a PSE implementing CC_DET_SEQ=0 when the result of comment is figure 33C-12: Missing TCLE1 lable       Figure 33C-12: Missing TCLE1 lable		L <b>20</b>	# 203 Ann
"Figure 33C-2 illustrates a PSE implementing CC_DET_SEQ=0 when the result of Figure 33C-12: Missing TCLE1 lable			Ann
connection check is 'single'." SuggestedRemedy		ne for Figure 3	
It should be Figure 33C–1. Add TCLE1 lable and arrow to Figure			
SuggestedRemedy     Proposed Response     Response       Replace Figure 33C-2 with Figure 33C-1.     PROPOSED ACCEPT.	Status <b>W</b>		
Proposed Response     Response Status     W     Cl 33C     SC 33C.3       PROPOSED ACCEPT.     Hajduczenia, Marek	P 246 Charter Comm	L <b>20</b> unicatio	# 123
CI 33C       SC 33C.1.1       P 242       L 1       # 121       Comment Type       E       Comment Type         Hajduczenia, Marek       Charter Communicatio       Avoid the use of relative figure reference		ving sample tin	Editor
Comment Type         E         Comment Status         D         Editorial         SuggestedRemedy           Sentence in lines 1 and 2 is broken in the middle         Change to "Figure 33C-15" - make s	ure the link is live	)	
SuggestedRemedy       Proposed Response       Response         Make sure that the sentence is NOT broken in the middle.       PROPOSED ACCEPT.	Status W		
Proposed Response Response Status W PROPOSED ACCEPT.			
C/ 33CSC 33C.1.1P 242L 45# 122Hajduczenia, MarekCharter Communicatio			
Comment Type       E       Comment Status       D       Editorial         Consider adding forced line break in caption of Figure 33C-5/6/8/9 after the word "dual" to avoid automatic hyphenation       E       E			
SuggestedRemedy Per comment			
Proposed Response Response Status W PROPOSED ACCEPT.			

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