C/ 33 SC 33.5.1.2 P 175 L 51 # 1 McDermott, Thomas Fujitsu	C/ 33 SC 33 P 41 L 4 # 3 Carlson. Steven HSD/Robert Bosch 3
Comment Type TR Comment Status X Pres: Law1 The editor's note refers to TABLE 33-22. This appears to be the wrong table for defining additional Types and Features. Should it refer to TABLE 33-39? It is not clear whether the draft, as written, can operate properly without these additional fields being defined. If it cannot, then the fields and mechanisms need to be defined before the draft can be approved. SuggestedRemedy Define method and fields before progressing the draft further if the draft is inoperable as currently written. Proposed Response Response Status W TFTD WFP Cl 30 SC 30 P24 L1 # 2	Carison, steven HSD/Robert Bosch Comment Type ER Comment Status D Editoria The replacment of the entire clause with the diff against the base standard makes it extremely difficult to tell what has actually changed due to the way that FrameMaker marks changes. SuggestedRemedy Provide a diff that makes it easier to determine what has changed. Proposed Response Response Status W PROPOSED REJECT. The changes are so substantial that it does warrant a complete replacement. We proceeded in the normal amendment procedure with individual editing instructions through draft 1.5 only to discover that changes were impossible to track since we had touched the entire clause in essance. The change bar was a continous strip down the right side of the page. All of the editing markups made the draft impossible to read as well.
Carlson, Steven HSD/Robert Bosch Comment Type ER Comment Status D Editorial 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. SuggestedRemedy Follow the 802.3 editorial guidelines for changes. http://grouper.ieee.org/groups/802/3/WG_tools/editorial/requirements/words.html Proposed Response Response Status W PROPOSED ACCEPT. W PROPOSED ACCEPT. Proposed Response Response Proposed Response	Cl 79 SC 79 P 208 L 1 # 4 Carlson, Steven HSD/Robert Bosch Editor. Comment Type ER Comment Status D Editor. It appears the entire subclause from the base document has been copied into Clause 79. It is difficult to follow the change instructions and to determine what has actually changed. SuggestedRemedy Follow the 802.3 editorial guidelines for changes. http://grouper.ieee.org/groups/802/3/WG_tools/editorial/requirements/words.html Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 124 OBE by 124

C/ 33 SC 33.1 Jones, Chad	<i>P</i> 41 Cisco	L 4	# 5	<i>Cl</i> 33 Jones, Ch		33.1.3	P 43 Cisco	L 50	# 6
Comment Type TR	Comment Status D		Maintenance	Comment	Туре	TR	Comment Status	D	Maintenance
	on behalf of maintenance. T ainst 33.1 but also applies to		ubmitted by David Law.				n behalf of maintenand ubmitted against 33.1.3		
	012 keywords include 'Powe not appear anywhere within			lport	definitio (1.4.23	34)			
SuggestedRemedy					(1.4.42 e (1.4.42				
[1] Add the following n 'Definitions':	ew definition in alphanumeri	c order to IEEE	Std 802.3 subclause 1.4	They a	are not		n the definitions clause ey are parameters, as		ard for terms (1.4). hin the technical clause
	ower over Ethernet (IEEE 80 provides power across balar			Suggested	,				
802.3, Clause 33).						be change			
[2] Add the following n 'Abbreviation':	ew definition in alphanumeri	c order to IEEE	Std 802.3 subclause 1.5	placer	ment is	adjacent t	oved to appropriate pla o Icable definition in 33 ated in 33.1.3.)		e 33. Suggested is is the comment from
PoE Power over Ether	net			Proposed	Respor	nse	Response Status	N	
				PROF	POSED	ACCEPT.			
[3] Modify the first para follows:	agraph of IEEE Std 802.3 su	bclause 33.1 'Ov	verview' to read as	C/ 25	SC	25.4.5	P 23	L 11	# 7
				Jones, Ch			Cisco		
	e functional and electrical ch n for deployment over balance			Comment	Type	Е	Comment Status	0	Editorial
consists of two optiona Sourcing Equipment (I defined in Clause 25 a	al power (non-data) entities, PSE), for use with the MAU and Clause 40. These entitie c cabling as is used for data	a Powered Devic defined in Clause allow devices to	ce (PD) and Power a 14 and the PHYs	"A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD". In the section below, this is stated much more succinctly by saying "Type 2 or greater". Make this match.					
Proposed Response	Response Status W			Suggested	dReme	dv			
PROPOSED ACCEPT				chang 2, Typ	ge: "A 10 be 3, an 100BA	00BASE-1 d Type 4 I	PD"		4 Endpoint PSE or Type or a Type 2 or greater
				Type	2, Type 100BA	3, and Ty	"X transmitter in a Type pe 4 PD" nsmitter in a Type 2 or		be 4 Endpoint PSE or SE or a Type 2 or greater
				Proposed PROF	•	nse ACCEPT.	Response Status N	N	
	ed ER/editorial required GF spatched A/accepted R/rej		d T/technical E/editorial G/		d 11/000	optiofied -		Comment ID 7	Page 2 of 122 8/31/2016 3:48:48

Cl 25 SC 25.4.7 Jones, Chad	P 23 Cisco	L 22	# 8	C/ 33 Jones, Cł	SC 33.2.1 nad	<i>P</i> 45 Cisco	L 14	# 11
Comment Type ER "passed through a li	Comment Status D ink specified in ; and received" nk before the semicolon. Check	ing old versions,	<i>Editorial</i> the proper link is 25.4.8	Comment Table in this	<i>Type</i> E 33-2. Most of the table. To a bran	Comment Status D e topics in the headings make d new reader, this might be co ing them to their descriptions n	onfusing and he	elping them understand
	ence section as 25.4.8			Suggeste	dRemedy			
Proposed Response PROPOSED ACCE	Response Status W			Class Add t	ification, and Dat	1 to Range of maximum Class a Link Layer Classification. 2 to Short MPS support 3 to Autoclass	ses supported,	Physical Layer
Cl 33 SC 33.1.3 Jones, Chad	Cisco	L 42	# 9	add tl 1 see 2 see	ne note below Ta 33.2.7, Table 33 33.2.10			
item 3 below the tak	Comment Status D e 4 entry under the PSE type co ble. This note refers to TSB-184 gs as information on the cabling	-A, which is a ca	<i>Editorial</i> erscript reference to bling spec. Therefore	Proposed	33.2.7.3 Response POSED ACCEPT	Response Status W		
SuggestedRemedy				CI 33	SC 33.2.5.1.	1 P 54	L 42	# 12
Move the superscrip	ot '3' on row 4 from column 1 to	column 5.		Jones, Cł	nad	Cisco		
Proposed Response PROPOSED ACCE	Response Status W PT IN PRINCIPLE.	well as it is the s	omo optav og Tupo 2		51	Comment Status D www.up with no explanation. We s are.	e forget that the	<i>Editorial</i> e average reader won't
that won't have the		well as it is the s	ame entry as Type 3	Suggeste add "	•	ter Connection Check		
Where should we m	iove it?			,	<i>Response</i> POSED REJECT	Response Status W		
Cl 33 SC 33.1.3 Jones, Chad	.1 P 44 Cisco	L 27	# 10		doe it only for cor are	nnection check? A new reader	r wouldn't know	what any of these
	Comment Status D e know that it will be called TSB tified as is. Change reference ir			TFTD	1			
SuggestedRemedy Change reference ir	n 33.1.3.1 to TSB-184-A and de	lete note.						
Proposed Response PROPOSED ACCE	Response Status W PT.							

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

C/ 33 SC 33.2.7.3 Jones, Chad	<i>P</i> 101 Cisco	L 38	# 13	<i>Cl</i> 33 Jones, Cha	SC 33.2.8.4. id	I P 108 Cisco	L 40	# 16
	Comment Status D tell we have a European edir ith decimal points in 12 place		Editoria	Comment EQ 33-	51	Comment Status D as that need to be decimal p	points.	Editoria
SuggestedRemedy	the commas with decimal po Response Status W		s.	have to have c Proposed I PROP	on 33-14. replac b be an accept ir ommas. Could b Response OSED ACCEPT	e the commas with decimal principal because I'm not s le 8 places and not just 4. Th <i>Response Status</i> W IN PRINCIPLE.	ure if the leading	
Cl 33 SC 33.2.8.4 Jones, Chad Comment Type ER	P 107 Cisco Comment Status D	L 33	# 14 Editoria	OBE b C/ 33 Jones, Cha	SC 33.2.8.5	<i>P</i> 109 Cisco	L 41	# 17
SuggestedRemedy	Is that need to be decimal po the commas in numbers wit <i>Response Status</i> W N PRINCIPLE.		s; 12 places	EQ 33 EQ 33 EQ 33 EQ 33 EQ 33		Comment Status D nmas that need replaced wit	th decimal points.	Editoria
OBE by 255 Cl 33 SC 33.2.8.4 Jones, Chad Comment Type ER EQ 33-12 another comm	P 107 Cisco Comment Status D na that should be a decimal	L 47	# 15 Editoria	EQ 33 EQ 33 EQ 33 EQ 33 EQ 33	,	ce the commas with decimal	l points in 6 place	es. Also:
SuggestedRemedy Equation 33-12. Replace	e the comma with a decimal			-	OSED ACCEPT	Response Status W IN PRINCIPLE.		
Proposed Response PROPOSED ACCEPT I OBE by 255	Response Status W N PRINCIPLE.			OBE b	y 200			

C/ 33 SC 33.3.4 Jones, Chad	<i>P</i> 139 Cisco	L 13	# 18	CI 33 SC 33.3.5 P 140 L 44 # 2 Jones, Chad Cisco	.0				
made during the detec SuggestedRemedy change: "calculated fro to: "calculated from at Proposed Response PROPOSED REJECT.	Comment Status D re is a resistance calculated f tion process". Didn't this used m two voltage/current measu least two voltage/current measu <i>Response Status</i> W '. The equation only uses two	d to say 'at least urements" asurements"		Comment Type TR Comment Status D PD Signature missing the converse of this sentence: "A single-signature PD shall present a valid detection signature on Mode A, when no voltage or current is applied to Mode B, and shall present an invalid detection signature on Mode A, when any voltage between 10.1V and 57V is applied to Mode B." SuggestedRemedy add this sentence: "A single-signature PD shall present a valid detection signature on Mode B, when no voltage or current is applied to Mode A, and shall present an invalid detection signature on Mode B, when no voltage or current is applied to Mode A, and shall present an invalid detection signature on Mode B, when any voltage between 10.1V and 57V is applied to Mode A." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. M					
C/ 33 SC 33.3.4 Jones, Chad Comment Type E	P 139 Cisco Comment Status D	L 31	# <u>19</u> Editorial	OBE by 370 C/ 33 SC 33.3.8.5 P152 L 32 # 2 have Obset	21				
51	nt the signature of Table 33–2 ENTS… esents' <i>Response Status</i> W	22 is assured to		Jones, Chad Cisco Comment Type E Comment Status D under figure 33-37 and 33-39 there is a this note: "NOTE—PDs are required to Equation (33–2) which results in a slightly lower power and current than results Figure 33–37, Figure 33–38, Equation (33–27), Equation (33–28) and Equation but it doesn't exist under figure 33-38. not to mention that the note doesn't ment 33-39. SuggestedRemedy Add "figure 33-39" to the note (two places, page 151, line 46 and page 153, line copy the revised note to figure 33-38 page 152, line 32 Proposed Response Response Status W	from 17 (33–30)." tion figure				

C/ 33 SC 33.4.3	P 160	L 10	# 22	C/ 33 SC 33.2.5.11 P 83 L 5 # 25
ones, Chad	Cisco			Picard, Jean Texas Instruments
Comment Type ER	Comment Status D		Editorial	Comment Type TR Comment Status D
Table 33-32. comma	s to be replaced with decimal p	oints, 39 places		Parenthesis is at wrong location in the CLASS_EVAL_PRI block for following equation.
SuggestedRemedy				IF (pd_cls_4PID_pri * (sig_pri = valid) * (sig_sec = valid + pwr_app_sec))
Table 33-32. comma	s to be replaced with decimal p	oints, 39 places		SuggestedRemedy
Proposed Response	Response Status W			Replace with this: IF (pd_cls_4PID_pri * (sig_pri = valid) * (sig_sec = valid) + pwr_app_sec)
PROPOSED ACCEP	T IN PRINCIPLE.			Proposed Response Response Status W
OBE by 255				TFTD
C/ 33 SC 33.4.4	P 161	L 34	# 23	See 212
ones, Chad	Cisco			C/ 33 SC 33.2.5.11 P 83 L 6 # 26
Comment Type ER	Comment Status D		Editorial	Picard, Jean Texas Instruments
Table 33-33. comma	s to be replaced with decimal p	oints, 10 places		Comment Type TR Comment Status X PSE S
SuggestedRemedy Table 33-33. comma	s to be replaced with decimal p	oints, 10 places		Using One unique PD_4pair_cand variable can help simplify the state diagram, even if staggered detection is used for DS PD.
Proposed Response	Response Status W			SuggestedRemedy
PROPOSED ACCEP	•			Replace "PD_4pair_cand_pri <= TRUE" with "PD_4pair_cand <= TRUE" Replace "PD_4pair_cand_pri <= FALSE" with "PD_4pair_cand <= FALSE"
OBE by 255				Proposed Response Response Status W
C/ 33 SC 33.4.9.1	I.1 <i>P</i> 168	L 35	# 24	TFTD
ones, Chad	Cisco			Why are there separate PRI and SEC variables? Either a PD is 4-pair capable or not.
Comment Type ER EQ 33-34 to 33-38. c	Comment Status D ommas to be replaced with dee	cimal points. 12 p	Editorial laces total	If accepted, we need to remove unused variables
SuggestedRemedy EQ 33-34 to 33-38. c	ommas to be replaced with de	cimal points. 12 p	laces total	See 27
Proposed Response PROPOSED ACCEP	Response Status W			
OBE by 255				

C/ 33	SC 33.2.5.11	P 85	L 6	# 27	CI 33 SC 33.3.3.	15 P 135	L 5	# 29
Picard, Jean		Texas Instrur	nents		Picard, Jean	Texas Ir	nstruments	
Comment Ty		Comment Status X		PSE SD	Comment Type TR	Comment Status)	PD SI
		4pair_cand variable can help used for DS PD.	p simplify the sta	ite diagram, even if	VPD should refer to I	ModeA		
SuggestedRe					SuggestedRemedy			
Replace	"PD_4pair_ca	nd_sec <= TRUE" with "PD			Replace every occur Proposed Response	ence of VPD with VPD_n Response Status V		
		nd_sec <= FALSE" with "PE	2_4pair_cand <	= FALSE"	PROPOSED ACCEF	•		
Proposed Re	esponse	Response Status W				-		
TFTD					Suggest Remedy ap	blies to all of page 135.		
See 26					C/ 33 SC 33.3.3.	15 P 137	L 5	# 30
CI 33	SC 33.2.8.2	P 105	L 51	# 28	Picard, Jean	Texas Ir	nstruments	
Picard, Jean		Texas Instrur	nents		Comment Type TR	Comment Status)	PD SI
Comment Ty	pe TR	Comment Status D		PSE Power	VPD should refer to I	NodeB		
		steady-state operating condition of the state operating condition of the state of t			SuggestedRemedy Replace every occur	ence of VPD with VPD_n	nodeB.	
SuggestedRe	emedy				Proposed Response			
	following note a	at the end of 33.2.8.2.	50us) transients	or significant voltage	Proposed Response PROPOSED ACCEF	Response Status V		
Add the f "PSE sho steps wit	following note a	sing such long duration (> 2 n of rare circumstances invo			PROPOSED ACCEF	Response Status V	V	
Add the f "PSE sho steps with ensure sy	following note a ould avoid caus th the exception system robustne	sing such long duration (> 2 n of rare circumstances invo			PROPOSED ACCEF	Response Status V T IN PRINCIPLE. lies to all of Figure 33-34.	v	# [31
Add the f "PSE sho steps with ensure sy Proposed Re	following note a ould avoid caus th the exception system robustne esponse	sing such long duration (> 2 n of rare circumstances invo ess."			PROPOSED ACCEF Suggest remedy app	Response Status V T IN PRINCIPLE. lies to all of Figure 33-34.	v	# 31
Add the f "PSE sho steps with ensure sy Proposed Re PROPOS	following note a ould avoid cau th the exception system robustne esponse SED ACCEPT	sing such long duration (> 2: n of rare circumstances invo ess." <i>Response Status</i> W IN PRINCIPLE.			PROPOSED ACCEF Suggest remedy app C/ 33 SC 33.3.3.	Response Status V T IN PRINCIPLE. lies to all of Figure 33-34.	L 15	# <u>31</u> Pres: Yseboodt
Add the f "PSE sho steps with ensure sy Proposed Re PROPOS Add the f "PSE sho steps with	following note a ould avoid cau- th the exception ystem robustne ssponse SED ACCEPT following note a ould avoid cau- th the exception	sing such long duration (> 2: n of rare circumstances invo ess." <i>Response Status</i> W	lving switchover 50us) transients	of power supplies to or significant voltage	PROPOSED ACCEF Suggest remedy app C/ 33 SC 33.3.3. Picard, Jean Comment Type TR The PD behavior dur 33.3.8.3. For exampl PClass_PD and PPe	Response Status V IT IN PRINCIPLE. Iiies to all of Figure 33-34. II0 P 129 Texas Ir Comment Status X Ing inrush is not fully desce single-signature PDs a ak_PD within that it has	L 15 A 15	Pres: Yseboodt agram, referring to 2, or 3 shall conform to
Add the f "PSE sho steps with ensure sy Proposed Re PROPOS Add the f "PSE sho steps with	following note a ould avoid cau- th the exception ystem robustne ssponse SED ACCEPT following note a ould avoid cau- th the exception	sing such long duration (> 2: n of rare circumstances invo ess." <i>Response Status</i> W IN PRINCIPLE. at the end of 33.2.8.2. sing such long duration (> 2: n of rare circumstances such	lving switchover 50us) transients	of power supplies to or significant voltage	PROPOSED ACCEF Suggest remedy app Cl 33 SC 33.3.3. Picard, Jean Comment Type TR The PD behavior dur 33.3.8.3. For exampl PClass_PD and PPe TInrush-2P min. Ano	Response Status V IT IN PRINCIPLE. Iiies to all of Figure 33-34. II0 P 129 Texas Ir Comment Status X Ing inrush is not fully desce single-signature PDs a ak_PD within that it has	L 15 A 15	Pres: Yseboodt agram, referring to 2, or 3 shall conform to
Add the f "PSE sho steps with ensure sy Proposed Re PROPOS Add the f "PSE sho steps with	following note a ould avoid cau- th the exception ystem robustne ssponse SED ACCEPT following note a ould avoid cau- th the exception	sing such long duration (> 2: n of rare circumstances invo ess." <i>Response Status</i> W IN PRINCIPLE. at the end of 33.2.8.2. sing such long duration (> 2: n of rare circumstances such	lving switchover 50us) transients	of power supplies to or significant voltage	PROPOSED ACCEF Suggest remedy app Cl 33 SC 33.3.3. Picard, Jean Comment Type TR The PD behavior dur 33.3.8.3. For exampl PClass_PD and PPe TInrush-2P min. Ano behavior as defined i SuggestedRemedy	Response Status V IT IN PRINCIPLE. Iiies to all of Figure 33-34. II0 P 129 Texas Ir Comment Status X Ing inrush is not fully desce single-signature PDs a ak_PD within that it has	L 15 hstruments cribed in the state dia issigned to Class 1, 1 is to meet inrush requ	Pres: Yseboodt agram, referring to 2, or 3 shall conform to uirements with the PSE
Add the f "PSE sho steps witl ensure sy Proposed Re PROPOS Add the f "PSE sho steps witl	following note a ould avoid cau- th the exception ystem robustne ssponse SED ACCEPT following note a ould avoid cau- th the exception	sing such long duration (> 2: n of rare circumstances invo ess." <i>Response Status</i> W IN PRINCIPLE. at the end of 33.2.8.2. sing such long duration (> 2: n of rare circumstances such	lving switchover 50us) transients	of power supplies to or significant voltage	PROPOSED ACCEF Suggest remedy app Cl 33 SC 33.3.3. Picard, Jean Comment Type TR The PD behavior dur 33.3.8.3. For exampl PClass_PD and PPe TInrush-2P min. Ano behavior as defined i SuggestedRemedy	Response Status V IT IN PRINCIPLE. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 34. Ites to all of Figure 44. Ites to all of Figure 34. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. Ites to all of Figure 44. <t< td=""><td>L 15 A 15</td><td>Pres: Yseboodt agram, referring to 2, or 3 shall conform to uirements with the PSE</td></t<>	L 15 A 15	Pres: Yseboodt agram, referring to 2, or 3 shall conform to uirements with the PSE
Add the f "PSE sho steps witl ensure sy Proposed Re PROPOS Add the f "PSE sho steps witl	following note a ould avoid cau- th the exception ystem robustne ssponse SED ACCEPT following note a ould avoid cau- th the exception	sing such long duration (> 2: n of rare circumstances invo ess." <i>Response Status</i> W IN PRINCIPLE. at the end of 33.2.8.2. sing such long duration (> 2: n of rare circumstances such	lving switchover 50us) transients	of power supplies to or significant voltage	PROPOSED ACCEF Suggest remedy app Cl 33 SC 33.3.3. Picard, Jean Comment Type TR The PD behavior dur 33.3.8.3. For exampl PClass_PD and PPe TInrush-2P min. Ano behavior as defined i SuggestedRemedy Add an editor's note	Response Status V IT IN PRINCIPLE. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 33-34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34. Ites to all of Figure 34.	L 15 A 15	Pres: Yseboodt agram, referring to 2, or 3 shall conform to uirements with the PSE

C/ 33 SC 33.2.5.12 P 86 L 4 # 32 C/ 33 P 86 L 4 # 35 SC 33.2.5.12 Wendt, Matthias Philips Lighting Picard, Jean **Texas Instruments** Comment Type TR Comment Status X Pres: Picard1 Comment Type **TR** Comment Status D PSE SD The situation of class fault (overcurrent) is not in the class state diagram for single and State diagram Figure 33-15: dual signature. Issues #2-4 as already pinpointed in vseboodt 02 0716 sdfix baseline.pdf and vseboodt 02 0716 sdfix.pdf SuggestedRemedy Update the SD with class faults. See presentation TBD on this subject. From CLASS EV1 LCE the exits to MARK EV1 and MARK EV LAST forget to check the variable pse avail pwr. Proposed Response Response Status W Currently the SD would allocate more power than is available. TFTD Same in the state CLASS EV2. Same in the state CLASS EV4. WFP SuggestedRemedv SC 33.2.5.12 C/ 33 P 80 L 18 # 33 Changing it to check the variable pse avail pwr fixes the issues. Picard, Jean **Texas Instruments** See yseboodt_02_0716_sdfix_baseline.pdf Comment Type ER Comment Status D Editorial Proposed Response Response Status W There is a typo error: mr_pse_alterantive = both PROPOSED ACCEPT. SuggestedRemedy Replace with this C/ 33 SC 33.2.5.12 P 79 L 19 # 36 mr pse alternative = both Wendt. Matthias Philips Lighting Proposed Response Response Status W Comment Type TR Comment Status D PSF SD PROPOSED ACCEPT. State diagram Figure 33-15: Issue #5 as already pinpointed in vseboodt 02 0716 sdfix baseline.pdf and C/ 33 SC 33.2.5.12 P 81 L5# 34 vseboodt 02 0716 sdfix.pdf Wendt, Matthias Philips Lighting From the IDLE state, the branch into START CXN CHK and the branch into Comment Status D PSE SD Comment Type TR START DETECT can be True simultaneously when CC DET SEQ = 1 and mr pse alternative /= 'both'. State diagram Figure 33-15: Going through connection check only makes sense when mr pse alternative = 'both'. Issue #1 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and vseboodt 02 0716 sdfix.pdf SuggestedRemedy Change to ((CC DET SEQ = 0) + (CC DET SEQ = 3)) *(mr pse alternative = both) From CLASS EVAL to POWER UP the condition is "pd req pwr < pse avail pwr" which *pse ready *!(pwr app pri + pwr app sec) *(mr pse enable = enable). has the effect that if the PSE has Class 1 available and the PD requests Class 1 the PSE will hang in CLASS EVAL. See vseboodt 02 0716 sdfix baseline.pdf The same applies to Class 2. Proposed Response Response Status W SuggestedRemedy PROPOSED ACCEPT. 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.

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

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

Cl 33 SC 33.2.5. Wendt, Matthias	12 P 80 Philips Lightir	L 31 ng	# 37	<i>CI</i> 33 Wendt, Ma	SC 33.2.5.12 atthias	Р 90 Philips Lightir	L 4 ng	# 39
Comment Type TR State diagram Figure Issue #6 as already yseboodt_02_0716_	pinpointed in yseboodt_02_071	6_sdfix_baseline	PSE SD	Issue	diagram Figure 3	pointed in yseboodt_02_071	6_sdfix_baselin	PSE SD
0) + (CC_DET_SEQ Without these, the A SuggestedRemedy Add parenthesis.	L to IDLE (label A), parenthesi = 3)". ND takes precedence over the '16_sdfix_baseline.pdf	-	ound "(CC_DET_SEQ =	Suggested Implei See a Proposed	dRemedy ment Stovers con Iso yseboodt_02_ Response	omment #122 against D1.7 i nment #122 against D1.7'. _0716_sdfix_baseline.pdf <i>Response Status</i> W	has not been im	plemented
Proposed Response PROPOSED ACCEF	Response Status W			_	POSED ACCEPT	IN PRINCIPLE.		
C/ 33 SC 33.2.5. Wendt, Matthias	12 P 86 Philips Lightir	L 6 ng	# 38	C/ 33 Wendt, Ma	SC 33.2.7.2 atthias	P 98 Philips Lightir	L 29 ng	# 40
yseboodt_02_0716_ The SD still uses 'tao SuggestedRemedy Change to 'tclassacs	binpointed in yseboodt_02_071 sdfix.pdf ss_timer' which has been renar			TACS It wou Suggested adopt Proposed	ng autoclass a PI behavior is unde ld be beneficial to	Response Status W		
Proposed Response PROPOSED ACCEF	Response Status W			Cl 33 Trowbridg Comment Figure 33-45	<i>Type</i> E 33-44 uses a dif	P 163 Nokia Comment Status D ferent symbol for ground tha	L 12	# 4 <u>1</u> <i>Editoria</i> ng figures, e.g., 33-43,
				select Proposed	a consistent sym	bol for ground across all figurents that form it need to be to Response Status W		

C/ 33 SC 33.4.9 Trowbridge, Steve	<i>P</i> 167 Nokia	L 16	# 42	C/ 33 SC 33.2.7 Bennett, Ken	P 96 Sifos Techr	L 34 nologies, In	# 45
jumper extends past the meet the line at the left	Comment Status D in Figure 33-47: in the cross e jumper, and in the midspar side			Comment Type E Footnote 1 for PClas (33-3 is PClass-2P, a SuggestedRemedy	Comment Status D s in Table 33-12, refers to eq and 33-2 is PClass.)	uation 33-3. It sho	<i>Editoria</i> ould be equation 33-2.
SuggestedRemedy Tidy up the figure Proposed Response PROPOSED ACCEPT.	Response Status W			Change Equation (33 Equation (33-2) Proposed Response PROPOSED ACCEF	Response Status W		
C/ 79 SC 79.4.2 Trowbridge, Steve	<i>P</i> 226 Nokia	L 49	# 43	OBE by 405			
Comment Type E Missing line under Max	Comment Status D imum Frame Size row		Editorial	C/ 33 SC 33.2.7 Bennett, Ken	P 97 Sifos Techr	L 5 nologies, In	# 46
SuggestedRemedy Add the line Proposed Response PROPOSED ACCEPT.	Response Status W			the (PClass) footnote	d in equation 33-3. If there's	Ū	
Cl 33 SC 33.B.1 Trowbridge, Steve	<i>P</i> 238 Nokia	L 30	# 44	SuggestedRemedy	lass-2P in table 33-13, which	n states:	
Vport_PSE and betwee	Comment Status D is in Figure 33B-2 - the vertion in Vport_PSE and Vdiff2 are	composed of m	ultiple line segments		required power per pairset al naximum Rchan. Use Equati		
that don't line up. Seven SuggestedRemedy Zoom in close and tidy	ral of the lines that are supported of the lines that are supported by the figure	osed to meet in t	he figure cross over	Proposed Response PROPOSED ACCEF	Response Status W		
Proposed Response PROPOSED ACCEPT.	Response Status W						

C/ 33 Bennett, k	SC 33.3.8.2.1 Ken	P 148 Sifos Technol	L 37 ogies, In	# 47	<i>CI</i> 33 Bennett, K	SC 33.3.8.4.1 en	P 151 Sifos Tech	L 2 nologies, In	# 49	
Comment		Comment Status X	-9,	Extended Power	Comment		Comment Status X		Extended Power	
	ection states:				This s	ection addresses	peak power for Class 6 an		ver. It mirrors section	
PClas Proble more Suggester Apper , whe PClas Proposed TFTD	s at the PSE PI." em: Equation 33- than Pclass_PD, i <i>dRemedy</i> nd the following te	Response Status W	nd Pclass_PD. ass in equation nt:	If a PD consumes 33-2 to be exceeded.	The av Ppeak the PE For int 1.05, r Suggested Apper Peak o Proposed TFTD	verage power (Pp _PD limits use a) and is variable v eroperability and eferenced to the <i>IRemedy</i> d the text below to operating power so <i>Response</i>	ort_PD) in extended mode fixed multiplier (1.05 x PC vith respect to PClass at tl clarity, the Peak Power lir	e is limited to PCla lass_PD). Ppeak he PSE (due to ch nit should remain n Pg 151, Ln 2.	_PD is a fixed limit at nanges in channel loss).	
							0			
C/ 33 Bennett, k	SC 33.3.8.4.1 (en	P 151 Sifos Technol	L 2 ogies, In	# 48	C/ 33 Bennett, K	SC 33.3.8.5 en	P 151 Sifos Tech	L 31 nologies, In	# 50	
"the	tatement: peak power shall	Comment Status X	SE PI for more	Extended Power than TCUT-2P min, as	descri	s 33-37, 33-38, a	Comment Status X nd 33-39 show PD upperb masks, and a normative s lates.			
Needs	s clarification of P	and with 5% duty cycle." Class. Three interpretations provided by the connected F		quation 33-2, Table 33-	power	level. The figure	to TCut-2P min for a sing s are not valid for multiple uty cycle in 33.3.8.4).	le peak rising abo peaks that are sh	ve the PClass_PD orter duration than	
Suggestee	dRemedy				Suggested	IRemedy				
Apper	nd the following to	the end of the statement:					bllows and put it under eac	ch respective temp	plate (replacing the	
	re PClass is the loss value in table 3	esser of: a) the PSE's PClas 3-12."	s allocation; an	d b) the overmargined	existing notes where they appear): NOTE - Figure 33-## applies to a single peak which exceeds the PClass_PD power value					
Proposed	Response	Response Status W			Proposed	Response	Response Status W			
TFTD					TFTD	(needs review)				
Ken a	nd Lennart to alig	n before meeting.								

C/ 33 SC 33.3.8.5 P151 L 32 # 51	C/ 33 SC 33.3.8.10 P 155 L 30 # 53
Bennett, Ken Sifos Technologies, In	Bennett, Ken Sifos Technologies, In
Comment Type E Comment Status D PD Power	Comment Type T Comment Status X Pres: Ben
The templates show a second upperbound step after Tcut-2P min. This step is the power that a peak pulse must fall below before PSE TCut timing is reset.	Section 33.3.8.10 describes a test set-up to meet Icon-2P and Icon-2P_unb, which are necessary for interoperability.
After a Peak lasting TCut-2P min ends, the instantaneous power must stay below the second step for 950msecs. Peaks lasting less than TCut-2P min may exceed the second step after droppin below the PClass_PD power level.	The Normative "Shall" refers to a test set-up (derived from models) as the condition und which Icon-2P and Icon-2P_unb must be met. There are deficiences in this approach wh can result in interoperability problems.
The always-valid portion of the second step is the transition at TCut-2P-min. SuggestedRemedy	SuggestedRemedy See Bennett_01_0916.pdf
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.	Proposed Response Response Status W TFTD
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	WFP
I believe what Ken would like is to shorten (in time) the horiztonal line that extends along the Pclass_PD(-2P) line.	C/ 33 SC 33.6.5 P 186 L 13 # 54 Bennett, Ken Sifos Technologies, In
	Comment Type E Comment Status X Pres: Ysebo
If correct, make the change. If incorrect, Ken to comment. Cl 33 SC 33.3.8.5 P 153 L 3 # 52 Bennett, Ken Sifos Technologies, In	Table 33-60 describes transactions using "LLDP Frame". All other data link classification transactions in the standard use the more specific terms: "Power via MDI TLV", "LLDPD or "TLV Frame".
Comment Type T Comment Status X Extended Power The Class 6 and 8 extended template and Equation 33-30 impose peak power values of	There isn't a formal "LLDP Frame" definition in Clause 33, whereas "TLV Frame" is specifically defined in section 33.6.1.
Ipeak*Vpse.	SuggestedRemedy
PDs are not required to "know" Vpse: without Vpse, this is an unknown limit.	Change all instances of "LLDP Frame" in table 33-60 to:
Another submitted comment suggested "1.05 x Pport_PD max" as a Ppeak limit for extended mode. If it was accepted, it should appear here as well.	"TLV Frame" or "LLDPDU" Proposed Response Response Status W
SuggestedRemedy	TFTD
Replace Ipeak*Vpse with "1.05 x Pport_PD max".	WFP
Proposed Response Response Status W TFTD	

<u> </u>	00.0.4.4	DAGE	/ 07	# [==		<u> </u>	CC 00 0 0	•	Dia	/ 50	#
Cl 33 SC Tremblay, David	33.6.4.1	P 185 Hewlett Packa	L 27 ard Enter	# 55		<i>Cl</i> 33 Walker, Dy	SC 33.8.3 ylan	.2	<i>P</i> 191 Cisco	L 53	# 57
<i>Comment Type</i> Use of the wo diagram.		nment Status D ine 27 does not align	with the PSE po	ower control state	DLL	Comment PICS Suggested	entry for the p	Comment s		k as described in	PICS 33.2.6.1 is missing.
PSE power c	word "different" wi control state diagra				h the	Insert PSE 1	the PICS for o	connection check n check 33.2.6.1 er power on both	Performed		/ Type 3 and Type 4
PSE_NEW_\ UPDATE sta Proposed Respon PROPOSED	ite inse Resp	than PSEAllocatedPo	owerValue, it en	ters the MIRROR		•		Response S PT IN PRINCIPLI			
Cl 33 SC Tremblay, David	33.6.3.5	P 183 Hewlett Packa	L 33 ard Enter	# 56		Some	one needs to	add all the Type 3	8 and 4 PICS	L 5	# 58
condition who however, the should be res SuggestedRemen Replace the	wer control state d en transitioning fro e condition never g set when exiting th dy	iment Status D liagram makes use of om the RUNNING to t lets reset. For clarity, ne MIRROR UPDATE	he PSE POWEI the local_syste state.	R REVIEW state; m_change conditic	on	Ran, Adee Comment The co from the dentify Suggested	Type E ontent of subc he base docur y the changes dRemedy		Intel Status D 0, and clause al instructions ould include c	78 seems to incl only in some sub only the amended	Editorial ude the whole content clauses. It is difficult to
	REJECT.	onse Status W es when to transition riable, that must be d			NG.	Proposed PROP OBE b	POSED ACCE	Response S PT.	Status W		

60
Editoria
61
" 01
Editoria
62
Editoria
ition appears in the base changed at all)
is against the style line (decimal point).")
ient.
•

OBE by 255

Comment ID 62

Editorial

Editorial

Editorial

Cl 79 S Ran, Adee	C 79.3.7.1	P 220 Intel	L 6	# 63	<i>CI 79</i> Ran, Adee	SC 79.3.7	.2 P 221 Intel	L 44	# 65
	alue of bits)"	Comment Status X is meaningless here. A bit fi binary representation unless				instead of m	Comment Status D ultiplication sign, twice		Editorial
Also applie SuggestedRem	es to the next	ase only affects the text repr two bit fields. value of bits)" or change it to		insigned binary)", in all	Proposed F	to multiplica	Response Status W		
occurences Proposed Resp	s	Response Status W	(<i>Cl 79</i> Ran, Adee	SC 79.3.7	.3 P 222 Intel	L 15	# 66
TFTD (nee C/ 79 S	eds review)	P 220	L 16	# 64	Comment 7 missing	<i>ype</i> E space befor	Comment Status D re 65535		Editorial
Ran, Adee		Intel			Suggested	Remedy			
meaning of a base.	9-2P = (decima f this bits. Als	Comment Status X al value of bits) mV" is an av o, a voltage value is not "dea	cimal", only the	text representation has	insert s Proposed F PROPC OBE by	esponse SED ACCE	Response Status W PT IN PRINCIPLE.		
encoded.		value is rounded down or to			<i>Cl 79</i> Ran, Adee	SC 79.3.7	.3 P 222	L 14	# 67
	vo occurence	ner occurences of "decimal v s in the base document, but			Comment T		Comment Status X bits" does not add any clarity here		LLDP
Change thi "VPort_PD	is one to	ounded down and encoded a	as unsigned bin	ary"	<i>Suggestedl</i> delete t	Remedy hese words			
or "VPort_PD	-2P in mV un	its, rounded down and enco	ded as unsigne	d binary"	Proposed F	esponse	Response Status W		
(or rounded	d up or whate	ver is intended)			TFTD				
Change oth	her occurence	es in a simiar style (with app	ropriate units a	nd resolution).					
Proposed Resp TFTD (nee		Response Status W							

CI 79 SC	79.3.7.3	P 222	L 3	# 68	C/ 33A SC 33A.3	P 233	L 16	# 71
Ran, Adee	19.3.1.3	Intel	L 3	# 00	Ran, Adee	Intel	210	π [1]
Comment Type	TR	Comment Status X		LLDP	Comment Type TR	Comment Status D		Annex
completely im	nplementati	escription how this value sh on dependent field? Does a	number lower t	han 1000 indicate	Seems like a norma 33A.	tive requirement in an informati	ive annex. Also ii	n other subclauses of
power is chea about to go or	• •	o, what should be done)? D	oes a very high	number mean power is	SuggestedRemedy			
SuggestedRemed					Make this annex nor	mative?		
00	2	ning of this field is implemen	ntation depende	nt please state it.	Proposed Response	Response Status W		
Proposed Respor		Response Status W			PROPOSED REJEC	CT.		
TFTD					These are cabling re normative requirement	equirements and this annex was ents (no shalls).	s written in a way	to not include
Cl 79 SC Ran, Adee	79.3.7.4	P 222 Intel	L 20	# 69	This may be able to	be done in a better way.		
Comment Type	TR	Comment Status X		LLDP	TFTD			
Does "should	l" here mea	n it is only a recommendation	on? Is it OK to h	ave more than one?	C/ 33A SC 33A.5	P 234	L 7	# 72
Also applies t	to 79 3 2 7	although it is in the base do	ocument		Ran, Adee	Intel	LI	π 12
SuggestedRemed	dy	there is no problem with ha		one.	Comment Type E "guide lines"	Comment Status D		Editorial
Proposed Respor TFTD	nse	Response Status W			SuggestedRemedy change to "guideline	's"		
Cl 33 SC Ran, Adee	33.8.3.1	P 191 Intel	L 14	# 70	Proposed Response PROPOSED ACCE	Response Status W		
Comment Type	TR	Comment Status D		PICS	C/ 33A SC 33A.4	P 233	L 34	# 73
51	ne reference	ed subclause 33.1.3.2 does	not state a requ		Ran, Adee	Intel		
or any other r informative ar		he base document it did, be	ut that text was	moved to an	Comment Type E	Comment Status D		Editorial
SuggestedRemed	,				"milliohm", here and	in other places. Standard sym	bols should be u	sed
00	,	ment text or delete this item			Several occurences			
Proposed Respor		Response Status W			SuggestedRemedy			
PROPOSED		,			change to m(upperc	ase letter Omega)		
Remove CON					Proposed Response PROPOSED ACCE	Response Status W		

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

C/ 00 SC 0 Ran, Adee	P 234 Intel	L 11	# 74	C/ 33B SC 33E Ran, Adee	6 P 237 Intel	L 16	# 77
comment Type E	Comment Status D s between equation and te	rt E.g. P. Doir D	Editorial	Comment Type TI Annex 33D doesr	Comment Status D		
According to the style ma applies to R for resistanc Roman letters. SuggestedRemedy	anual (12.4) quantity symbolse, I for current, P for powe ently italic in equation and t	ols should be set r, etc. Qualifiers a	in italic letters. This and units should be in	SuggestedRemedy Add the required Proposed Response	details here or conjure the missi <i>Response Status</i> W CEPT IN PRINCIPLE.	ng annex	
roposed Response PROPOSED ACCEPT.	Response Status W			C/ 33B SC 33E Ran, Adee	P 237 Intel	L 22	# [78
/ 33A SC 33A.5 an, Adee	P 234 Intel	L 11	# 75	Comment Type E Equation 33-14 d	Comment Status X	ce is not clear.	Pres: Darshan7
RPair_PD_min is already uggestedRemedy Change all equations to i	x RPair_PD_min + 0,080, y in Ohms. include Ohm units for the c <i>Response Status</i> W	·		SuggestedRemedy Change "the relationship I to "the relationship I Rload_min and R	the first sentence of the next pa	4) and Rload_min a the PSE PI (Equati	– ion (33–14)) and
an, Adee omment Type E	Intel Comment Status D class-dependent numbers	wore placed in a	Editorial	TFTD	Response Status W		
equation that appears be uggestedRemedy Usa alpha and beta in the roposed Response PROPOSED ACCEPT IN	elow (line 18) used instead. e equation, add a table for <i>Response Status</i> W	alpha and beta p		Proposed Response	Intel Comment Status D	L 2	# <u>79</u> PICS
				Need PICS editor	·		
YPE: TR/technical required OMMENT STATUS: D/dispa ORT ORDER: Comment ID	atched A/accepted R/reje					ment ID 79	Page 17 of 122 8/31/2016 3:48:4

Cl 33B Ran, Adee	SC 33B.4	P 240 Intel	L 34	# 80	C/ FM SC FM Zimmerman, George	P 1 CME Consul	L 26	# 83
Comment Ty, This subo seems to SuggestedRe Consider Proposed Re	clause does no apply to all ca emedy moving to 33E esponse	Comment Status D of seem to fit in the hierarchy uses. Should it be in the head 3 (just before 33B.1). Response Status W IN PRINCIPLE.		<i>Editorial</i> 3.2, 33B.3. This text	Comment Type E Draft says it is for Tasl SuggestedRemedy	Comment Status D K Force Review. Review" to "Working Group R Response Status W		Editoria
Move tex 237, line	t of 33B.4 to 2	nd to last paragraph of introc	ductory material	in Annex 33B (page	OBE by 133 C/ FM SC FM Zimmerman, George	P1 CME Consul	L 2 ting, Aqua	# 84
SuggestedRe Move bel	, instruction sho e <i>medy</i> fore annex hea	P 237 Intel Comment Status D uld be before the new annex	L 6	# 81 <i>Editorial</i> er both 33B and 33C.	SuggestedRemedy	Comment Status D as amended by (several "as amended by <list an<br="" of="">Response Status W</list>		. ,
(see 802 Proposed Re	.3by or P802.3	d 33C as follows:" bs D2.0 for example) <i>Response Status</i> W			C/ FM SC FM Zimmerman, George Comment Type E Base standard is IEEE	P 3 CME Consul Comment Status D Std 802.3-2015, draft says '		# 85 Editoria
25.4.7 sii SuggestedRe Replace Proposed Re	pe E 5.4.5 should be mply calls out ' emedy additions of ", '	Type 3, and Type 4" with "or <i>Response Status</i> W	5.4.5 enumerates		SuggestedRemedy Change -201x to -2015 Proposed Response PROPOSED ACCEPT	Response Status W		

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

C/ FM	SC FM	P 4	L 20	# 86	C/ 1	SC 1.4.254	P 20	L 20	# 89
Zimmerma	an, George	CME Consul	ing, Aqua		Zimmern	nan, George	CME Consu	lting, Aqua	
Comment	Туре Е	Comment Status D		Editorial	Commer	t Type T	Comment Status D		Editoria
		EEE Std 802.3-2015, addition nissing (by, bq, bp, br, bn, b			(an e	endpoint and a mid	eals with cases of more that Ispan - hence there is back	off). Therefore th	ere can actually be
Suggested	dRemedy						tion per link segment, and it	should be betwe	en "a" PSE and PD
	ble 802.3bu for a	tion, add in descriptions of k good start, consult with IEE			Char	edRemedy nge "the" to "a"			
Proposed		Response Status W			'	d Response	Response Status W		
•	POSED ACCEPT	•			PRC	POSED ACCEPT			
					C/ 1	SC 1.4.381a	P 20	L 26	# 90
OBE b	by 134				Zimmern	nan, George	CME Consul	lting, Aqua	
C/ FM	SC FM	P 19	L 44	# 87	Commer	t Type TR	Comment Status D		Editorial
Zimmerma	an, George	CME Consult	ing, Aqua				gnature resistance and swit		
Comment		Comment Status D		Editorial		never connected to Is to say "simulata	the same pairset, is it still s neouslv shares".	single-signature?	If so, the definition
	e which amendm d bj are long gone	ents are likely to be in paral	el that you may	be concerned about.		edRemedy	, , , , , , , , , , , , , , , , , , ,		
	,	<i>.</i>			00	comment.			
Suggested	omment				Propose	d Response	Response Status W		
Proposed						POSED ACCEPT	1		
•	OSED ACCEPT.	Response Status W			-				
FNOF	USED ACCEPT.				Inse	t "simultaneously"	before "shares"		
TFTD	(need list)								
C/ 1	SC 1.3	P 20	L 8	# 88					
Zimmerma	an, George	CME Consul	ing, Aqua						
Comment	Type TR	Comment Status D		Cabling					
require within	ements for Clause and between pair	ntains information necessar e 33, including not only amb sets. As such it is no longe ng requirements for the doc	ient temperature r bibliographical	e but DC unbalance both , but essential in					
Suggested	0								
Add re	eference to TIA T	SB-184-A to the normative r in document (e.g., page 44		elete the editor's note,					
Proposed PROP	Response POSED ACCEPT.	Response Status W							

CI 1 SC	1.4.418b	P 20	L 40	# 91	C/ 1	SC 1.4.41	8c	P 20	L 45	# 93
Zimmerman, Geo	orge	CME Consult	ting, Aqua		Zimmerma	n, George		CME Consul	ting, Aqua	
Comment Type	TR	Comment Status D		Types	Comment	Type ER	Con	nment Status D		Editori
(for Type 3), definitions for no identifiable Class 6 Type	and in 1.4.41 r Type 3 and e maximum c a 3 PSEs in Ta	Type is circular. Power I 3d (Type 4) should refer to Fype 4 PDs. However, it ass supported (there are able 33-2), so the descrip	to Class power le appears that for oup to Class 3, u	evels as in the Type 3 PSEs there is p to Class 4 and up to	Mode a Table 7 Suggested	as powering v 79-6b has usa Remedy	vith a pairs age same a	et in Clause 33 are o as the definitions not	capitalized, howev capitalized.	37). Most usages of ver, some are not, and
•		ble for the definition.				ent througho			nd 1.4.418c and s	scrub the text to make
SuggestedReme	-				Proposed I	•		onse Status W		
•		r levels", and in 1.4.418d	I, delete "up to "T	ype 4 power levels"	,	OSED ACCE	'			
Proposed Respo		esponse Status W								
PROPOSED	ACCEPT IN	PRINCIPLE.			Editor	to make draft	consistent	with capitalized "Mo	ode".	
In 1.4.418b					C/ 33	SC 33.1		P 41	L 12	# 94
Replace "up	to Type 3 pov	ver levels" with "up to Cla	ass 6 power level	s".	Zimmerma	n, George		CME Consul	ting, Aqua	
ln 1.4.418d					Comment 7	Type TR	Con	nment Status D		PHY
	30.2.5 orge	er levels" with "up to Cla P 24 CME Consult Comment Status D	L 8	s". # <u>92</u> Editorial	in this of Suggested	clause These <i>Remedy</i> e "and Clause	e PHYs are e 55" to "C	D2.3bz, which will pro called out on line 1 lause 55, and Clause onse Status W	8 as well, but not	ment) are also defined in the clause list.
		on inserts new rows, or " ertions. Insert instruction			PROP	, DSED ACCE	'			
SuggestedReme	dy				OBE b	y 333				
Consult edito	orial staff as to	to read "Insert new rows whether it is clearer to le f inserted rows while dele	eave the old rows	s in or how to designate	C/ 33 Zimmerma	SC 33.1.2		P 43 CME Consul	L 17 Iting, Aqua	# 95
Proposed Respor PROPOSED		esponse Status W			Comment T Title sh by "Eth	ould be para		ment Status D re 33-2 (and the rest	of 802.3), CSMA	<i>Editori</i> /CD has been replaced
					Suggested. Change	<i>Remedy</i> e "CSMA/CD	" to "Etherr	net"		
					Proposed I	Response	Resp	onse Status W		

Is leable the current on one twisted pair, or is it the "Nominal Highest Current per pair" as in the header on Table 33-17. In the discussion in this paragraph, it appears that leable is the current per pair. Everywhere else, it is the nominal highest current per pair (see, e.g., 33.1.3.1) In other places it is unclear (e.g., Table 33-17, where it is part of a technical requirement) SuggestedRemedy If leable is the the maximum current per pair, change "current" to "maximum current, inthe first sentence of line 50, and on line 51, change "source leable" to "source current", and replace leable with it. It is unclear which usage the most important one takes - Table 33-17. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. TFTD I believe Table 33-17 uses leable to mean the actual current (not maximum). Thus, I believe "If leable isn't the maximum current, then more extensive changes are required to Table 33-1.1, and 33.1.3.1, to create an leable_max, and replace leable with it." is correct. Or, could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could it be replaced with port (since this is a PSE requirement and lport is the total current).	C/ 33 SC 33.1.3		L 50 # 96		33	SC 33.2.2		P 46	L 13	# 97
 Is leable the current on one twisted pair, or is it the "Nominal Highest Current per pair. Service of the beader on Table 33-17. In the discussion in this paragraph, it appears that leable is in the header on Table 33-17. In the discussion in this paragraph, it appears that leable is the current per pair. Everywhere else, it is the nominal highest current per pair. Everywhere else, it is the nominal highest current per pair. Everywhere else, it is the nominal highest current per pair. Everywhere else, it is the nominal highest current of "naximum current," and "negative graviemendy. If leable is the the maximum current per pair, change "current" to "maximum current," and "negative current", respectively, in both places. If leable isn't the maximum current, then more extensive changes are required to Table 33-1.12. Uncertaet an leable_max, and replace leable with it. It is unclear which usage the most important one takes - Table 33-1.12. Uncertaet and leable, max, and replace leable with it. It is concert. Or, could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could it be replaced with port (since this is a PSE requirement and loghest current). Difference is the total current). Difference is the total current of the combination of the total current of the combination of the total current of the combination of the total current of the total current of the com	Zimmerman, George	CME Consulting, A	qua	Z	limmermar	n, George		CME Consul	ting, Aqua	
in the header on Table 33-17. In the discussion in this paragraph, it appears that (cable) is the current per pair. Everywhere else, it is the nominal highest current per pair (see, e.g., 3.1.3.1) In other places it is unclear (e.g., Table 33-17, where it is part of a technical requirement) uggestedRemedy If I cable is the the maximum current per pair, change "current" to "maximum current" in the first sentence of line 50, and on line 51, change "source cable" to "source current", respectively, in both places. If i cable isn't the maximum current, then more extensive changes are required to Table 33-1, and 33.1.3.1, to create an Icable_max, and replace Icable with it. It is unclear which usage the most important one takes - Table 33-17. Thus, I believe "If lcable isn't the maximum current, then more extensive changes are required to Table 33-17 uses Icable to mean the actual current (not maximum). Thus, I believe "If lcable isn't the maximum current, then more extensive changes are required to Table 33-17 uses Icable to mean the actual current (not maximum). Or, could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could the replaced with loot (since this is a PSE requirement and loot is the total current).	Comment Type TR Co	omment Status D		Cabling C	Comment 7	Type ER	Comme	nt Status D		Editoria
SuggestedRemedy If lcable is the the maximum current per pair, change "current" to "maximum current" in the first sentence of line 50, and on line 51, change "source lcable" to "source current", and "negative current", respectively, in both places. If lcable isn't the maximum current, then more extensive changes are required to Table 33-17, to create an lcable_max, and replace lcable with it. It is unclear which usage the most important one takes - Table 33-17. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Cl 33 SC 33.5.1.2 P 175 L 32 # 98 TFTD I believe Table 33-17 uses lcable to mean the actual current (not maximum). Thus, I believe "If lcable isn't the maximum current, then more extensive changes are required to Table 33-1, and 33.1.3.1, to create an lcable_max, and replace lcable with it." is correct. SuggestedRemedy Or, could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could it be replaced with lport (since this is a PSE requirement and lport is the total current). Thus to the dual current is a PSE requirement and lport is the total current). Proposed Response Response Status W	in the header on Table 33-1 the current per pair. Everyw 33.1.3.1) In other places it is	? In the discussion in this par here else, it is the nominal hi	ragraph, it appears that lc ghest current per pair (see	able is e, e.g., cal	Having the san this to j	the "or" makes ne as the 2.5G just "10GBASE	s this look like or 5G Midsp	e it may or may r ans. It is also in	not support 10G,	which would make it
If leable is the the maximum current per pair, change "current" to "maximum current" in the first sentence of line 50, and on line 51, change "source leable" to "source current", and far, change "source leable" to "source current", and far, change "source leable" to "source current", and replace leable with it. It is unclear which usage the most important one takes - Table 33-17. Proposed Response Response Status W PROPOSED ACCEPT. P175 L 32 # [98] Zimmerman, George CME Consulting, Aqua PROPOSED ACCEPT. Comment Status X Prevention of the prevention o	SuggestedRemedy				00		so that it rea	ads "10GBASE-T	Midspan PSE".	
extensive changes are required to Table 33-1, and 33.1.3.1, to create an lcable_max, and replace lcable with it. It is unclear which usage the most important one takes - Table 33-17. C/ 33 SC 33.5.1.2 P 175 L 32 # 98 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Comment Type TR Comment Status X Presc TFTD I believe Table 33-17 uses Icable to mean the actual current (not maximum). Need to specify new classes (5-8 and Autoclass) in PD class bits. SuggestedRemedy Thus, I believe "If Icable isn't the maximum current, then more extensive changes are required to Table 33-1, and 33.1.3.1, to create an Icable_max, and replace Icable with it." is correct. Or, could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could it be replaced with lport (since this is a PSE requirement and Iport is the total current). Or, could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could it be replaced with lport (since this is a PSE requirement and Iport is the total current). Proposed Response Response Status W	first sentence of line 50, and lines 51 and 54, change "(+I	l on line 51, change "source lo cable)" and (-ICable) to "posit	cable" to "source current", tive current" and "negative	, and ^F ə	Proposed F	Response	Respons			
PROPOSED ACCEPT IN PRINCIPLE. Present the present of the present	extensive changes are required replace lcable with it. It is u	red to Table 33-1, and 33.1.3 nclear which usage the most	.1, to create an Icable_ma	ax, and C					-	# 98
I believe Table 33-17 uses Icable to mean the actual current (not maximum). Thus, I believe "If Icable isn't the maximum current, then more extensive changes are required to Table 33-1, and 33.1.3.1, to create an Icable_max, and replace Icable with it." is correct. Or, could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could it be replaced with Iport (since this is a PSE requirement and Iport is the total current). Thus, I believe "If Icable isn't the maximum current, then more extensive changes are required to Table 33-1, and 33.1.3.1, to create an Icable_max, and replace Icable with it." Or, could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could it be replaced with Iport (since this is a PSE requirement and Iport is the total current). Thus, I believe "If Icable isn't the maximum current, then more extensive changes are required to Table 33-1.3.1, to create an Icable_max, and replace Icable with it."	1 1	,		C					PD class bits.	Pres: Law
 6. Change last sentence of 33.5.1.2.10 to read "The combination "1 0 1" indicates the either an invalid class was read, or the PD is a Type 4 PD, with Class 7, 8 or autoclas been determined (see 45.2.7b.4)." Add Clause 45 into the draft, and allocate a new P 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 = F Class 8, and 11 = Autoclass, and the rest reserved. Proposed Response Response Status W TFTD 	TFTD			S	Suggestedl	Remedy				
Thus, I believe 'If icable isn't the maximum current, then more extensive changes are required to Table 33-1, and 33.1.3.1, to create an Icable_max, and replace Icable with it." is correct. been determined (see 45.2.7b.4)." Add Clause 45 into the draft, and allocate a new P status register in clause 45 space at 45.2.7b.4, after 45.2	I believe Table 33-17 uses I	cable to mean the actual curre	ent (not maximum).		6. Cha	inge last sente	nce of 33.5.1	.2.10 to read "Th	e combination "1	0 1" indicates that
Or, could the requirement for unbalance in table 33-17 be removed (we removed the text associated with it) or could it be replaced with lport (since this is a PSE requirement and lport is the total current). Proposed Response Response Status W TFTD	required to Table 33-1, and				been de status r P802.3	etermined (see register in clau bu-201x, to in	e 45.2.7b.4)." se 45 space a clude 2 bits (Add Clause 45 i at 45.2.7b.4, afte 0:1) for 00 = PD	nto the draft, and er 45.2.7b.3, as in Class 1-6, 01 = F	allocate a new PSE
Iport is the total current). TFTD							,		•	
Lyote for leable - may change "(+leable)" and (-leable) to "positive current" and "pegative		t be replaced with Iport (since	this is a PSE requirement	it and F	•	Response	Response	e Status w		
current", respectively, and change Icable in Table 33-17 to Iport.				egative	WFP					

C/ 33 SC 33.2.5.9 P 69 L 30 # 99 Zimmerman, George CME Consulting, Aqua	C/ Zin		SC 33.2.5.3 n, George		⁰ 55 E Consultin	L 40 Ig, Agua	# 102
Comment Type E Comment Status D		mment T	•	Comment Statu		.9, , , , , , , , , , , , , , , , , , ,	Editorial
pd_4pair_cand not capitalized as in state diagram and other references SuggestedRemedy Change pd_4pair_cand to PD_4pair_cand Proposed Response Response Status W		Subcla enough PSE st Alterna	uses for constant to just have thi tate diagrams" atively, you can d	nts and variables re s in the header, it r , it should read "Th	elate ONLY needs to als ne Type 1 ar of explanato	o be in the text nd Type 2 PSE	Type 2 PSEs. It isn't , rather than read "The
PROPOSED ACCEPT IN PRINCIPLE.	Su	ggested	Remedy				
All other variables beginning with "pd" are not capitalized. Let's be consistent.		State d		e following" (or si			.5.8 stating "The PSE 33.3.3.3, 33.3.3.6,
Change all occurances of "PD_4pair_cand" to "pd_4pair_cand".	Pro	posed H	Response	Response Statu	s W		
C/ 33 SC 33.2.6.7 P 94 L 33 # 100 Zimmerman, George CME Consulting, Aqua)	PROP	OSED ACCEPT				
	Cl	33	SC 33.2.5.9	F	°72	L 49	# 103
Comment Type E Comment Status D 33.2.6.1 not an active cross references	Editorial Zin	merma	n, George	CM	E Consultin	ig, Aqua	
	Со	mment T	Type E	Comment Statu	ıs D		Editorial
SuggestedRemedy make 33.2.6.1 an active cross reference Proposed Response Response Status W		of sent					it is used (except start llel, "mark events" are
Proposed Response Response Status W PROPOSED ACCEPT.	Su		Remedy				
C/ 33 SC 33.2.5.2 P 55 L 15 # 101 Zimmerman, George CME Consulting, Aqua	l Pro	, posed F	ce "Class events R <i>esponse</i> OSED ACCEPT	with "class events" Response Statu IN PRINCIPLE.		es here)	
Comment Type E Comment Status D	Editorial	0051	0.57				
21.5 is an active cross reference that leads nowhere - should be external. Not rea		OBE b	y 357				
how Lennart did that! Same issue exists in 33.2.5.5 (P59), 33.2.5.10 (P73), 33.3. (P123), 33.3.3.8 (P127) and 33.3.3.13 (P133) for 14.2.3.2	Ci	33A merma	SC 33A n, George		233 E Consultin	L 8 Ig. Agua	# 104
SuggestedRemedy		mment 1	, 0	Comment Statu		3,	Editoiral
Make 21.5, and 14.2.3.2 external cross references	00				_	the right place	in the frame book.
Proposed Response Response Status W PROPOSED ACCEPT.	Su	ggested	Remedy editor's note			and again place	
	Pro		Response OSED ACCEPT	Response Statu	s W		

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

C/ 33 SC 33.2.7.3	P 101 L 39	# 105	C/ 33 SC 33.2.8	B.1 P 105	L 37	# 107
Zimmerman, George	CME Consulting, Aqua		Zimmerman, George	CME Cons	sulting, Aqua	
Comment Type ER	Comment Status D	Editorial	Comment Type T	Comment Status D		Editoria
decimal point) Accordin same issue appears in s	s (e.g., "+0,0014") appear to use europ g to IEEE Style Manual (12.2) decima several places, including Equations 33 , 33-32, 33-34, 33-35, 33-36, 33-38, 79	I point should be used. This -11, 33-12, 33-14, 33-15, 33-	pins. SuggestedRemedy	rence at the PI" - specify the age difference at the PI" to "c		
SuggestedRemedy			-			
Put constants into decim commas.	nal point notation, throughout draft, us	ing the dot rather than	Proposed Response PROPOSED ACCE	Response Status W		
Proposed Response PROPOSED ACCEPT I	Response Status W N PRINCIPLE.		Are VPSE+ and VP	SE- defined? Clear enough?		
OBE by 255			Cl 33 SC 33.2.5 Zimmerman, George		L 18 sulting, Aqua	# 108
C/ 33 SC 33.2.8.1	P 105 L 26	# 106	Comment Type TR	Comment Status D		PSE SD
Zimmerman, George	CME Consulting, Aqua		missing or misplace (mr_pse_alterantive	ed operator on branch from D	ETECT_EVAL to la	abel B: "
VPort_PSE-2P min) to the maximum power per the mA/us." is unclear - is the power per the PSE's associated as the power per the PSE's associated as the power per the PSE's associated as the power per	PSE's assigned Class load step at a nere a load step specified somewhere' signed Class under load changes at ra Port_PSE-2P, isn't this the maximum p nt.	rate of change of at least 15 ? or is it "to the maximum ates of up to 15mA/us" ?	SuggestedRemedy	ne) " Response Status W	(sig_pri = valid) and	d extra "*" at end).
Proposed Response TFTD	Response Status W		Cl 33 SC 33.2.5 Zimmerman, George		L 18 sulting, Aqua	# 109
Destal ODE has 400			Comment Type E	Comment Status D	_	Editoria
Partial OBE by 422.			typo on branch to A	1 "mr nse alterantive – both	"	
Partial OBE by 422. Need to address -2p par	rt of comment.		SuggestedRemedy	1 "mr_pse_alterantive = both terantive" to "mr_pse_alterna		
-	rt of comment.		SuggestedRemedy	terantive" to "mr_pse_alterna Response Status W		

Zimmerman, George CME Consulting, Aqua PSE SD Comment Type T Comment Status X PSE SD "A Type 3 T Comment Status X PSE SD "A Type 4 TSE detecting an invalid PD signature on either alternative, and I valid may perform dessification on that patients is valid, cassification shall. Be performed - its inst an option. If the first detection has happened, then det_temp=both_neither, and one of sig_pri / sig_sec 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 consistent. We PROPOSED ACCEPT IN PRINCIPLE. SuggestedRemedy Charter Communicatio Comment Type TR Comment Type TR Comment Type TR Comment Type TR Comment Type Trype ST Interview Communicatio Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 349 Comment Type TFD The text is the desired behavior, the state diagram may need to be consistent. Scassification is optional. Proposed Response Response Status M Proposed Response Response Status W Proposed Response Trype ST is not defined Scassification of the sig's is indended - PSE-D types' to "PSE Types". CIFTED FTTED FTTE Paiduczenia, Marek Charter Communicatio Comment	C/ 33	SC 33.2.6	P 90	L 29	# 110	CI 33A SC 33A P 233 L 8 # 112
 ¹A Type 3 or Type 4 PSE detecting an invalid PD signature on either alternative may perform detection on that private iterative, and it valid may perform described on on that perform detection and heapend, the det Limp-both, neither, and one of sig_pri / sig_sex is valid, while the other is invalid. Loeking at the machine on this, at the top beautif, neither neads to on the sig sig is valid, and det_temp = both, neither leads to A1, classification on that at easilication is the desired behavior, the state diagram may need to be altered to be consistent. SuggestedRemedy: Change and if valid may perform to "and if valid shall perform". Alternatively, modify the state diagram tranch that leads from DETECT_EVAL to A1 to show under what circumstances going to classification is photomal. Proposed Response Response Status W TFTD Ibelieve everyone agrees that a PSE can go back to IDLE at any time and thus not do classification. Is that the exception that requires the may (which I believe is correct)? Doos the SD show this? How? CIFM SC FM P4 L19 # 111 Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status D Editoria Comment Type E Comment Status N PROPOSED ACCEPT IN PRINCIPLE. Change Types' to "PSE Types' Ci and endorents is NOT complete - we are now up to 9 amendments StogestedRemedy PROPOSED ACCEPT IN PRINCIPLE. OBE by 134 	Zimmerman	n, George	CME Consulti	ng, Aqua		
perform detection on the other alternative, and if valid may perform classification on that pairset." seems inconsistent with page 80.3.25.12 cannot be study a subject of the sig is valid, classification SHALL BE performed - if then a top level, it seems that in this case, if the second alternative is valid, classification SHALL BE performed - if then a top level, it seems the only path where mr_pse_alternative = both, neither is any alto. Looking at figure 33.15, page 80, it seems the only path where mr_pse_alternative = both, alter leads to A. It is also be onsistent. SuggestedRemedy SuggestedRemedy charter Communicatio Par comment Type TR Comment Status D Ann SuggestedRemedy charter Communicatio Charter Communicatio SuggestedRemedy Proposed Response Response Status W PTFD Ibelieve everyone agrees that a PSE can go back to IDLE at any time and thus not do classification. Is that the exception that requires the may (which I believe is correct)? Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Proposed Response Response Status D Charter Communicatio Comment Type T Charter Communicatio CI FM SC FM P4 L19 #111 Hajduczenia, Marek Charter Communicatio SuggestedRemedy Proposed Response Response Status D Canneet Type T Charter Communicatio CI FM SC FM P4 L19 #111 Ha		51		anatura an aithar		
being performed. If the text is the desired behavior, the state diagram may need to be altered to be consistent. SuggestedRemedy Change *and if valid may perform * to *and if valid shall perform * Alternatively, modify the state diagram branch that leads from DETECT_EVAL to A1 to show under what circumstances going to classification is optional. Proposed Response Response Status W TFTD I believe everyone agrees that a PSE can go back to IDLE at any time and thus not do classification. Is that the exception that requires the may (which I believe is correct)? Does the SD show this? How? CI FM SC FM P4 L19 # [11] Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status D Editorial List of amendments is NOT complete - we are now up to 9 amendments SuggestedRemedy Please update front matter to use the latest list of available / published amendments Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 134 Determined Status D Editorial Determined Status D Editorial SuggestedRemedy PROPOSED ACCEPT IN PRINCIPLE. OBE by 134	perform pairset.' Looking alternati If the fir sig_sec Looking	a detection on the ot " seems inconsisten g at the machine on tive is valid, classific st detection has hap t is valid, while the o g at figure 33-15, pag	her alternative, and if val t with page 80 33.2.5.12 this, at the top level, it se ation SHALL BE perform pened, then det_temp=t ther is invalid. ge 80, it seems the only	id may perform cl branches out of eems that in this c ed – it isn't an op poth_neither, and path where mr_ps	lassification on that DETECT_EVAL. case, if the second titon. one of sig_pri / se_alternative = both ,	SuggestedRemedy Per comment Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
change "and if valid may perform" to "and if valid shall perform" Alternatively, modify the state diagram branch that leads from DETECT_EVAL to A1 to show under what circumstances going to classification is optional. Comment Type TR Comment Status D Anne The term "Types" is not defined Proposed Response Response Status W Please consider specyfing what the particular meaning of "Types" is indended - PSE-D types or something altogether different Proposed Response Status W Please consider specyfing what the particular meaning of "Types" is indended - PSE-D types or something altogether different CI FM SC FM P4 L19 # [111] Hajduczenia, Marek Charter Communicatio Cassed Response Response Status W Comment Type E Comment Status D Editorial List of amendments is NOT complete - we are now up to 9 amendments Editorial Proposed Response Response Status W Proposed Response Response Status D Editorial SuggestedRemedy Please update front matter to use the latest list of available / published amendments Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 134 V PROPOSED ACCEPT IN PRINCIPLE. 33A.1 and propagate through Annex 33A correctly.	being pe altered	erformed. If the text to be consistent.				C/ 33A SC 33A.3 P 233 L 16 # 113
Proposed Response Response Status W TFTD I believe everyone agrees that a PSE can go back to IDLE at any time and thus not do classification. Is that the exception that requires the may (which I believe is correct)? Does the SD show this? How? Piease consider specyfing what the particular meaning of "Types" is indended - PSE-D types or something altogether different C/ FM SC FM P4 L19 # 111 Hajduczenia, Marek Charter Communicatio Editorial Charter Communicatio Comment Type E Comment Status D Editorial List of amendments is NOT complete - we are now up to 9 amendments Editorial Comment Type E Comment Status D Proposed Response Response Status W Pconcent Status D Editorial List of amendments is NOT complete - we are now up to 9 amendments Editorial Comment Type E Comment Type E Comment Status D Editorial Proposed Response Response Status W Pcoposed Response Response Status D Editorial Using Betset dRemedy Proposed Response Response Status W Pcoposed Response Response Status M Pcoposed Response Status	change state dia	and if valid may pe agram branch that le	eads from DETECT_EVA			Comment Type TR Comment Status D Al
classification. Is that the exception that requires the may (which I believe is correct)? Does the SD show this? How? CI FM SC FM P4 L19 # 111 Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status D Editorial List of amendments is NOT complete - we are now up to 9 amendments Editorial SuggestedRemedy Please update front matter to use the latest list of available / published amendments Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 134	Proposed R					Please consider specyfing what the particular meaning of "Types" is indended - PSE-D
C/ FM SC FM P4 L 19 # 11 Hajduczenia, Marek Charter Communicatio Charter Communicatio Comment Type E Comment Status D Editorial List of amendments is NOT complete - we are now up to 9 amendments Editorial SuggestedRemedy Please update front matter to use the latest list of available / published amendments Editorial Proposed Response Response Status W Response Status W Change 33A.3 to 33A.1 and propagate through Annex 33A Proposed Response Status W OBE by 134 OBE by 134 33A.1 is in the base document. Editor to renumber Annex 33A correctly.	classific	cation. Is that the ex	ception that requires the			
Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status D Editorial List of amendments is NOT complete - we are now up to 9 amendments Editorial Comment Type E Comment Status D Editorial SuggestedRemedy Please update front matter to use the latest list of available / published amendments Seems that subclause numbering is off by 2 Editorial Comment Type E Comment Status D Editorial Proposed Response Response Status W SuggestedRemedy Change 33A.3 to 33A.1 and propagate through Annex 33A Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. PROPOSED ACCEPT IN PRINCIPLE. 33A.1 is in the base document. Editor to renumber Annex 33A correctly.			-	/ 10	# [111]	Change "Types" to "PSE Types"
Comment Type E Comment Status D Editorial List of amendments is NOT complete - we are now up to 9 amendments Comment Type E Comment Status D Editorial SuggestedRemedy Please update front matter to use the latest list of available / published amendments Seems that subclause numbering is off by 2 SuggestedRemedy Seems that subclause numbering is off by 2 SuggestedRemedy Proposed Response Response Status W Change 33A.3 to 33A.1 and propagate through Annex 33A Proposed Response Response Status W OBE by 134 OBE by 134 33A.1 is in the base document. Editor to renumber Annex 33A correctly.			-		# 111	
Please update front matter to use the latest list of available / published amendments SuggestedRemedy Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Proposed Response Response Status W OBE by 134 SuggestedRemedy PROPOSED ACCEPT IN PRINCIPLE. PROPOSED ACCEPT IN PRINCIPLE. SuggestedRemedy 33A.1 is in the base document. Editor to renumber Annex 33A correctly. SuggestedRemedy PROPOSED ACCEPT IN PRINCIPLE.	List of a	amendments is NOT		up to 9 amendme		Comment Type E Comment Status D Edit
PROPOSED ACCEPT IN PRINCIPLE. Proposed Response Response Status W OBE by 134 PROPOSED ACCEPT IN PRINCIPLE. 33A.1 is in the base document. Editor to renumber Annex 33A correctly.			to use the latest list of av	vailable / publishe	ed amendments	SuggestedRemedy
33A.1 is in the base document. Editor to renumber Annex 33A correctly.			,			
Does 33A.2 exist somewhere?	0051		RINGIPLE.			PROPOSED ACCEPT IN PRINCIPLE.
	OBE by		RINGIPLE.			

C/ 33A SC 33A.3 P 233 L 22 # 11	15	CI 33B SC	33B.1		P 237	L 8	# 118
lajduczenia, Marek Charter Communicatio		Hajduczenia, Mai	rek	C	harter Comm	nunicatio	
Comment Type E Comment Status D	Editorial	Comment Type	ER	Comment Sta	atus D		Editoria
% sign seems to be much too small and placed incorrectly		No subclause	e numbers				
SuggestedRemedy		SuggestedReme	dy				
Make sure it is placed in the middle of the equation and it is of proper size	I	Please add s	ubclause n	umbers in Anne	ex 33B		
The same comment applies to all equations in Annex 33A, for % and Ohm symb	DOIS	Proposed Respo	nse	Response Sta	tus W		
Proposed Response Response Status W PROPOSED ACCEPT.		PROPOSED	ACCEPT I	N PRINCIPLE.			
2/ 33A SC 33A.4 P 233 L 50 # 11	16	There are an first one, 33E			a bunch of te	xt and a drawin	g before you get to the
ajduczenia, Marek Charter Communicatio		Editor to ren	Imber Anne	ex 33B to put int	roductory ma	aterial into 33B	1 and increment all
Comment Type E Comment Status D	Editorial	other subclau					
Text alignement in lines 50-51 is not correct		C/ 33B SC	33B.1		P 237	L 16	# 119
SuggestedRemedy		Hajduczenia, Mai		C	harter Comm		# [119
Please make sure text in lines 50/51 has the same left alignment as text in line 4	42	Comment Type	TR	Comment Sta			
Proposed Response Response Status W		51		33D" - said Ann		exist	
		our be round		SOB Sala / III		SAIGU	
PROPOSED ACCEPT.		SuggestedPomo	du				
		SuggestedReme	-	Annex or revise	the text to eli	minate referenc	e to non-existing Annex
2/ 33A SC 33A.5 P 234 L 17 # 11	17	Either add th	e missing A			minate referenc	e to non-existing Annex
C/33A SC 33A.5 P 234 L 17 # 11 lajduczenia, Marek Charter Communicatio		Either add th Proposed Respo	e missing A nse	Response Sta		minate referenc	e to non-existing Annex
C/ 33A SC 33A.5 P 234 L 17 # 11 łajduczenia, Marek Charter Communicatio Comment Type ER Comment Status D	17 Editorial	Either add th Proposed Respon PROPOSED	e missing A nse			minate referenc	e to non-existing Annex
C/ 33A SC 33A.5 P 234 L 17 # 11 Hajduczenia, Marek Charter Communicatio Comment Type ER Comment Status D Incorrect use of "will" in "stringent requirement will be needed" Status D Status Status		Either add th Proposed Respo	e missing A nse	Response Sta		minate referenc	e to non-existing Annex
Cl 33A SC 33A.5 P 234 L 17 # 11 lajduczenia, Marek Charter Communicatio comment Type ER Comment Status D Incorrect use of "will" in "stringent requirement will be needed" suggestedRemedy		Either add th Proposed Respon PROPOSED OBE by 532	e missing A nse	Response Sta		minate referenc	e to non-existing Annex
Cl 33A SC 33A.5 P 234 L 17 # 11 lajduczenia, Marek Charter Communicatio comment Type ER Comment Status D Incorrect use of "will" in "stringent requirement will be needed"	Editorial	Either add th Proposed Respon PROPOSED OBE by 532	e missing A nse ACCEPT I 33B.4	Response Sta N PRINCIPLE.	tus W	L 38	
ajduczenia, Marek P 234 L 17 # 11 ajduczenia, Marek Charter Communicatio comment Type ER Comment Status D Incorrect use of "will" in "stringent requirement will be needed" Incorrect use of "will" in "stringent requirement will be needed" cuggestedRemedy Change to "stringent requirement is needed" Please review the use of key words in the whole draft, includign "will", "must", etc. Style Manual	Editorial	Either add th Proposed Respon- PROPOSED OBE by 532 C/ 33B SC	e missing A nse ACCEPT I 33B.4	Response Sta N PRINCIPLE.	tus W P 240 harter Comm	L 38	# 120
21 33A SC 33A.5 P 234 L 17 # 11 ajduczenia, Marek Charter Communicatio comment Type ER Comment Status D Incorrect use of "will" in "stringent requirement will be needed" uggestedRemedy Change to "stringent requirement is needed" Please review the use of key words in the whole draft, includign "will", "must", etc. Style Manual Response Response Status W	Editorial	Either add th Proposed Respon PROPOSED OBE by 532 C/ 33B SC Hajduczenia, Mar Comment Type	e missing A nse ACCEPT I 33B.4 rek E	Response Sta N PRINCIPLE. Comment Sta	<i>P</i> 240 harter Comm atus D	L 38 nunicatio	# [120
A 33A SC 33A.5 P 234 L 17 # 11 ajduczenia, Marek Charter Communicatio comment Type ER Comment Status D Incorrect use of "will" in "stringent requirement will be needed" Incorrect use of "will" in "stringent requirement will be needed" cuggestedRemedy Change to "stringent requirement is needed" Please review the use of key words in the whole draft, includign "will", "must", etc. Style Manual	Editorial	Either add th Proposed Respon PROPOSED OBE by 532 C/ 33B SC Hajduczenia, Mar Comment Type	e missing A nse ACCEPT I 33B.4 rek E enty of "sha	Response Sta N PRINCIPLE. Comment Sta	<i>P</i> 240 harter Comm atus D	L 38 nunicatio	# <u>120</u> PIC
2/ 33A SC 33A.5 P 234 L 17 # 11 ajduczenia, Marek Charter Communicatio comment Type ER Comment Status D Incorrect use of "will" in "stringent requirement will be needed" SuggestedRemedy Change to "stringent requirement is needed" Please review the use of key words in the whole draft, includign "will", "must", etc. Style Manual Proposed Response Response Status W	Editorial	Either add th Proposed Respon PROPOSED OBE by 532 C/ 33B SC Hajduczenia, Mar Comment Type There are ple SuggestedRement	e missing A nse ACCEPT I 33B.4 rek E enty of "sha dy	Response Sta N PRINCIPLE. C Comment Sta II" statements ir	<i>P</i> 240 harter Comm atus D a 33B, but no	<i>L</i> 38 nunicatio PICS for comp	# [<u>120</u> PIC
C/ 33A SC 33A.5 P 234 L 17 # 11 Hajduczenia, Marek Charter Communicatio Comment Type ER Comment Status D Incorrect use of "will" in "stringent requirement will be needed" SuggestedRemedy Change to "stringent requirement is needed" Please review the use of key words in the whole draft, includign "will", "must", etc. Style Manual Proposed Response Response Status W	Editorial	Either add th Proposed Respon- PROPOSED OBE by 532 Cl 33B SC Hajduczenia, Mar Comment Type There are ple SuggestedRemen Consider add Proposed Respon	e missing A nse ACCEPT I 33B.4 rek E enty of "sha dy dy ding PICS to nse	Response Sta N PRINCIPLE. C Comment Sta II" statements ir	<i>P</i> 240 Charter Comm <i>atus</i> D a 33B, but no al mandatory	<i>L</i> 38 nunicatio PICS for comp	# 120 PIC liance statement

C/ 33C SC 33C.1.1 Hajduczenia, Marek	P 242 Charter Comm	L 1 unicatio	# 121	C/ 79 Hajduczer	SC 79 nia. Marek	P 208 Charter Com	L 1	# 124
•	omment Status D		Editorial	Comment Claus	<i>Type</i> ER e 79 already exis	Comment Status D sts in 802.3-2015 and only m	odified (edited) p	
SuggestedRemedy Make sure that the sentence	s NOT broken in the m	iddle		prese Suggeste	-	able 79-1, Table 79-4, etc. T	he unchanged te	ext should be removed
Proposed Response Re	sponse Status W					e all unchanged text and sub content with appropriate edit		
PROPOSED ACCEPT.				Proposed	Response	Response Status W		
C/ 33C SC 33C.1.1	P 242	L 45	# 122	PROF	POSED ACCEPT	Г.		
Hajduczenia, Marek	Charter Comm	unicatio		CI 79	SC 79.3.2.6	a P 215	L 6	# 125
· · · //·· =	omment Status D		Editorial	Hajduczer	nia, Marek	Charter Com	nmunicatio	
Consider adding forced line avoid automatic hyphenation		e 33C-5/6/8/9	after the word "dual" to	Comment	Type E	Comment Status D		Editorial
SuggestedRemedy	1				le 79-6a is a nev ed text	w table, there is no need to us	se any underline	in the table to indicate
Per comment				Suggeste	dRemedy			
Proposed Response Re	sponse Status W			Remo	ve all underline	from Table 79-6a. The same	applies for Table	e 79-6b
PROPOSED ACCEPT.				,	Response	Response Status W		
C/ 33C SC 33C.3	P 246	L 20	# 123	PROF	POSED ACCEPT	Г.		
Hajduczenia, Marek	Charter Comm	unicatio		CI 79	SC 79.4.2	P 224	<i>L</i> 1	# 126
Comment Type E C	omment Status D		Editorial	Hajduczer	-	Charter Com	-	120
Avoid the use of relative figu	ire references: "The follo	wing sample t	iming diagram"	Comment	Type E	Comment Status D		Editorial
SuggestedRemedy					51	fers to Table 79-9/10 and sho	wn tables are 70	
Change to "Figure 33C-15"	- make sure the link is liv	e						
Proposed Response Re	sponse Status W			Suggeste		ction to match proper tabel n	umbors	
PROPOSED ACCEPT.							lumbers	
				,	Response POSED ACCEPT	Response Status W		
					to figure out wh	ich number is right (see 189)	and change eith	er editorial instructions

CI 79 SC 79.5			# 127	CI 25		25.4.5	P 23	L 10	# 130
Hajduczenia, Marek	Charte	Communicatio		Hajduczen	na, Mare	ek	Charter Comm	nunicatio	
Comment Type E		-	Editorial	Comment		ER	Comment Status D		Editoria
Changes to 79.5. added / deleted.	2.1 are not really marked in	any way at this time -	it is not clear what was	It seer update		ext of rec	quirement is being modified. A	ssociated PICS	s also need to be
SuggestedRemedy				Suggested	Remed	'y			
	9.5 (PICS for Clause 79) to s		ditions / deletions) and	Please	e update	PICS to	match newly modified text		
	6 for Clause 79 with unmark	•		Proposed	Respon	se	Response Status W		
Proposed Response PROPOSED ACC	Response Status	W		PROP	OSED /	ACCEPT			
PROPOSEDAC	JEPT.			PICS	need to	be updat	edwho will take the lead on	this (Craig?)	
C/ 1 SC 1.4.	418d P 20	L 47	# 128						
Hajduczenia, Marek	Charte	Communicatio		TFTD					
Comment Type E	Comment Status	D	Editorial	C/ 30	SC :	30.9	P 27	L 1	# 131
	with the base standard, "and			Hajduczen	ia, Mare	ek	Charter Comm	nunicatio	
	as ""and 4-pair power. (See the start with "S" in			Comment	Type	ER	Comment Status D		Editoria
	Ba/b/c/d and in 1.4.415 and i			Subcla	ause 30.	.9 contais	sn right now a mix of existing a	and modified te	xt. Existing unmodified
SuggestedRemedy				text sh	nould no	t be part	of the amendment and ought	to be removed	Ū
,	te that the base text is not c	onsistent in itself toda	v	Suggested	dRemed	'y			
Proposed Response	Response Status		,				30.10 and 30.12 and retain of		
PROPOSED AC	,	vv		modifi this pr		, 30.9.1.1	.4) but remove any subclause	es that have not	been modified under
					,	* of text i	n these subclauses which are	not needed the	ere
C/ 1 SC 1.5	P 21	L 15	# 129				tion (editorial instructions) as	to what text is b	eing added (which
Hajduczenia, Marek	Charte	Communicatio			auses ar	,	D		
Comment Type E	Comment Status	D	Editorial	Proposed	,		Response Status W		
No need to keep	1.5 and 1.3 if there is no cor	ntent		PROP	OSED /	ACCEPT	IN PRINCIPLE.		
SuggestedRemedy				OBE b	oy 167				
Remove and add	*only* if there is anything to	be had there							
Proposed Response	Response Status	N							
PROPOSED ACC	CEPT IN PRINCIPLE.								
Remove 1.5									
1.3 has a normati	ive reference added by a co	mment.							
	· · · · · · · · · · · · · · · · · · ·								

CI 33 SC 33	P 41	L 1	# 132	C/ 00 SC 0	P 4	L 19	# 134
Hajduczenia, Marek	Charter Comm	nunicatio		Grow, Robert	RMG Consul	lting	
Comment Type TR	Comment Status D		Editorial	Comment Type ER	Comment Status D		Editoria
to the existing base ma	or wholesome replacement. Do aterial is so dramatic that it wa nges from the reader, though				p the reader know what you ar		
SuggestedRemedy				That is done here ar 19.	d/or with the WG template, in t	the Editor's note a	at the bottom of page
	markup for Clause 33 change are and comment on the chang		is not really possible to	If the Maintenance T	F comes up with a plan for a 2		
Proposed Response PROPOSED REJECT	Response Status W			revision of 802.3 on be an amendment to	p.3, I. 38 is correct, but that co 802.3-2015.	ntradicts the title	page indicating this will
proceeded in the norm draft 1.5 only to discov entire clause in essand	so substantial that it does warr al amendment procedure with ver that changes were impossil ce. The change bar was a cor g markups made the draft impo	individual edition ble to track since htinous strip dov	ng instructions through be we had touched the wn the right side of the	for 1/18, the revision based on timelines in a double digit amend what you would get I	mpletions scheduled for 3/17, might follow 802.3bt. So if 80 will be Amendment 13. For b Iment anyway, (the base text o being amendment 13). What d	2.3bt is an amendo base text, you need of a revision draft does potentially di	dment to 802.3-2015, ed to assume it will be will be the same as iffer between an
TFTD					ext revision probably using a d nt 13 is the numbering of subc		
TFTD	P1	L 24	# 133	and being amendme			
TFTD C/ 00 SC 0		L 24		and being amendme 802.3-2015. SuggestedRemedy		clauses, figures a	nd tables changes from
TFTD C/ 00 SC 0 Grow, Robert Comment Type E	P1 RMG Consultir Comment Status D	L 24		and being amendme 802.3-2015. SuggestedRemedy Assure you are using	nt 13 is the numbering of subc	clauses, figures a	nd tables changes from
TFTD CI 00 SC 0 Grow, Robert Comment Type E No longer in TF review SuggestedRemedy	P1 RMG Consultir Comment Status D	L 24	# [133	and being amendme 802.3-2015. SuggestedRemedy Assure you are using Update the documer Make base standard amendment to 802.3 available as of July 2	nt 13 is the numbering of subc g the latest front matter text wh it list to eliminate 802.3bk. year consistent (either 2015 o -2015. The front matter of P80 2016. It also though is very like	clauses, figures an nen creating the n or 201x), though I 02.3bv/D3.0 has t ely Corrigendum ²	nd tables changes from next draft. suggest writing as an the latest information 1 will be approved
TFTD CI 00 SC 0 Grow, Robert Comment Type E No longer in TF review SuggestedRemedy	P1 RMG Consultin <i>Comment Status</i> D v ation ballot for next draft <i>Response Status</i> W	L 24	# [133	and being amendme 802.3-2015. SuggestedRemedy Assure you are using Update the documer Make base standard amendment to 802.3 available as of July 2 before P802.3bt and worry about which an need to clearly indica	nt 13 is the numbering of subc g the latest front matter text wh it list to eliminate 802.3bk. year consistent (either 2015 o -2015. The front matter of P86	clauses, figures an nen creating the n or 201x), though I 02.3bv/D3.0 has ely Corrigendum 7 802.3bv list. You preceed 802.3bt	nd tables changes from next draft. suggest writing as an the latest information 1 will be approved may choose to not t at this time, but you
TFTD Cl 00 SC 0 Grow, Robert Comment Type E No longer in TF review SuggestedRemedy Update to WG recircul Proposed Response	P1 RMG Consultin <i>Comment Status</i> D v ation ballot for next draft <i>Response Status</i> W	L 24	# [133	and being amendme 802.3-2015. SuggestedRemedy Assure you are using Update the documer Make base standard amendment to 802.3 available as of July 2 before P802.3bt and worry about which an need to clearly indica	nt 13 is the numbering of subc g the latest front matter text wh at list to eliminate 802.3bk. year consistent (either 2015 o -2015. The front matter of P86 2016. It also though is very like could also be added to the P8 nendments follow 802.3bv but ate what the assumptions are f	clauses, figures an nen creating the n or 201x), though I 02.3bv/D3.0 has ely Corrigendum 7 802.3bv list. You preceed 802.3bt	nd tables changes from next draft. suggest writing as an the latest information 1 will be approved may choose to not t at this time, but you

CI 00 SC 0	P 19	L 44	# 135		1.4.418a	P 20 RMG Consul	L 34	# 138
Grow, Robert	RMG Consulting)		Grow, Robert			ting	
Comment Type ER	Comment Status D	DOOD 2hi and	Editorial	Comment Type	ER	Comment Status D		Editoria
running in parallel).	not been updated for this draft (P602.30J and	POUZ.30K are not		0 1	s numbers in P802.3bu.		
SuggestedRemedy				SuggestedRemed		umbers and editing instruc	tion to incort as	1 / /18aa through
	ation provided in front matter do sidered in creating this draft.	cument list), c	or update to reflect the	1.4.418ad aft	er 1.4.418 "	Type 2 PSE" (before inser		
Proposed Response	Response Status W			Proposed Respor		Response Status W		
PROPOSED ACCEPT				PROPOSED	ACCEPTIN	I PRINCIPLE.		
OBE by 87				OBE by 166				
				C/ 30 SC	30.9	P 27	L 1	# 139
C/ 1 SC 1.4.381a		L 26	# 136	Grow, Robert		RMG Consul	lting	
Grow, Robert	RMG Consulting	1		Comment Type	Е	Comment Status D		Editorial
Comment Type ER	Comment Status D nber and instruction, insert is alp		Editorial			luding all of 30.9 through	30-12 is for con	vienence of the
Correct subclause nun	nber and instruction, insert is alr	phanumerically	v atter 802 3bb	reviewer. The	at shoiuld be	e noted.		
					,			
1.4.381a single twisted				SuggestedRemed	ly .		_	
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod		to reference I	IEEE Std 802.3bp-2016	SuggestedRemed Add boxed ed	<i>ly</i> litor's note e	explaining that all of the Power, and should be remove		
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date).	I-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b	to reference I	IEEE Std 802.3bp-2016	SuggestedRemed Add boxed ed convienence	litor's note e of the review eparation.	explaining that all of the Po		
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response	I-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b Response Status W	to reference I	IEEE Std 802.3bp-2016	SuggestedRemed Add boxed ed convienence publication pr	litor's note e of the review eparation. ase	explaining that all of the Power, and should be remove Response Status W		
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response PROPOSED ACCEPT	I-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b <i>Response Status</i> W	to reference I	IEEE Std 802.3bp-2016 oved by the SASB on	SuggestedRemed Add boxed ed convienence publication pr Proposed Respor	litor's note e of the review eparation. ase	explaining that all of the Power, and should be remove Response Status W		
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response PROPOSED ACCEPT Cl 1 SC 1.4.415	I-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b <i>Response Status</i> W <i>P</i> 20	to reference I p is not appro	IEEE Std 802.3bp-2016	SuggestedRemed Add boxed ed convienence publication pr Proposed Respor PROPOSED OBE by 167	litor's note e of the review eparation. ase	explaining that all of the Power, and should be remove Response Status W		
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response PROPOSED ACCEPT C/ 1 SC 1.4.415 Grow, Robert	A-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b <i>Response Status</i> W <i>P</i> 20 RMG Consulting	to reference I p is not appro	IEEE Std 802.3bp-2016 oved by the SASB on # 137	SuggestedRemed Add boxed ed convienence publication pr Proposed Respor PROPOSED OBE by 167	dy ditor's note e of the review eparation. nse ACCEPT IN	explaining that all of the Power, and should be remove <i>Response Status</i> W I PRINCIPLE.	ed by the public	ation editor during
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response PROPOSED ACCEPT C/ 1 SC 1.4.415 Grow, Robert Comment Type ER	A-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b <i>Response Status</i> W <i>P</i> 20 RMG Consulting <i>Comment Status</i> D	to reference I p is not appro	IEEE Std 802.3bp-2016 oved by the SASB on	SuggestedRemed Add boxed ed convienence publication pr Proposed Respor PROPOSED OBE by 167 Cl 33 SC	dy ditor's note e of the review eparation. nse ACCEPT IN	explaining that all of the Power, and should be remove Response Status W N PRINCIPLE. P 44	ed by the public	ation editor during
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response PROPOSED ACCEPT Cl 1 SC 1.4.415 Grow, Robert Comment Type ER P802.3bu/D3.1 has all SuggestedRemedy	A-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b Response Status W P 20 RMG Consulting Comment Status D edits shown here, and more.	to reference I p is not appro	IEEE Std 802.3bp-2016 oved by the SASB on # 137	SuggestedRemed Add boxed ed convienence publication pr Proposed Respor PROPOSED OBE by 167 Cl 33 SC Grow, Robert Comment Type The note is se	dy ditor's note e of the review eparation. ase ACCEPT IN 33.1.3.1 ER omewhat va	explaining that all of the Power, and should be remove Response Status W I PRINCIPLE. P 44 RMG Consul	L 27	ation editor during # <u>140</u> <i>Editorial</i>
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response PROPOSED ACCEPT C/ 1 SC 1.4.415 Grow, Robert Comment Type ER P802.3bu/D3.1 has all	A-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b Response Status W P 20 RMG Consulting Comment Status D edits shown here, and more.	to reference I p is not appro	IEEE Std 802.3bp-2016 oved by the SASB on # 137	SuggestedRemed Add boxed ed convienence publication pr Proposed Respor PROPOSED OBE by 167 Cl 33 SC Grow, Robert Comment Type The note is se	dy ditor's note e of the review eparation. hse ACCEPT IN 33.1.3.1 ER bomewhat va update to a r	explaining that all of the Power, and should be remove Response Status W I PRINCIPLE. P 44 RMG Consul Comment Status D gue but indicates the pose	L 27	ation editor during # <u>140</u> <i>Editorial</i>
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response PROPOSED ACCEPT Cl 1 SC 1.4.415 Grow, Robert Comment Type ER P802.3bu/D3.1 has all SuggestedRemedy	A-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b <i>Response Status</i> W <i>P</i> 20 RMG Consulting <i>Comment Status</i> D edits shown here, and more. .4.415 <i>Response Status</i> W	to reference I p is not appro	IEEE Std 802.3bp-2016 oved by the SASB on # 137	SuggestedRemed Add boxed ed convienence publication pr Proposed Respor PROPOSED OBE by 167 C/ 33 SC Grow, Robert Comment Type The note is se might do an u SuggestedRemed Change note	y ditor's note e of the review eparation. nse ACCEPT IN 33.1.3.1 ER omewhat va ipdate to a r dy to indicate to	explaining that all of the Power, and should be remove Response Status W I PRINCIPLE. P 44 RMG Consul Comment Status D gue but indicates the pose	<i>L</i> 27 <i>L</i> 27 Iting sibility that publi	ation editor during # <u>140</u> <i>Editorial</i> cation publication editors
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response PROPOSED ACCEPT C/ 1 SC 1.4.415 Grow, Robert Comment Type ER P802.3bu/D3.1 has all SuggestedRemedy Delete the change to 1 Proposed Response	A-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b <i>Response Status</i> W <i>P</i> 20 RMG Consulting <i>Comment Status</i> D edits shown here, and more. .4.415 <i>Response Status</i> W	to reference I p is not appro	IEEE Std 802.3bp-2016 oved by the SASB on # 137	SuggestedRemed Add boxed ed convienence publication pr Proposed Respor PROPOSED OBE by 167 C/ 33 SC Grow, Robert Comment Type The note is se might do an u SuggestedRemed Change note	dy ditor's note e of the review eparation. <i>ise</i> ACCEPT IN 33.1.3.1 ER omewhat va pdate to a r dy to indicate to t action is co	explaining that all of the Power, and should be remove <i>Response Status</i> W N PRINCIPLE.	<i>L</i> 27 <i>L</i> 27 Iting sibility that publi	ation editor during # <u>140</u> <i>Editorial</i> cation publication editors
1.4.381a single twisted SuggestedRemedy Change number to 1.4 (or 20xx if draft is prod that date). Proposed Response PROPOSED ACCEPT C/ 1 SC 1.4.415 Grow, Robert Comment Type ER P802.3bu/D3.1 has all SuggestedRemedy Delete the change to 1 Proposed Response	A-pair copper cable. .381b update editing instruction uced prior to 22 Sep or P802.3b <i>Response Status</i> W <i>P</i> 20 RMG Consulting <i>Comment Status</i> D edits shown here, and more. .4.415 <i>Response Status</i> W	to reference I p is not appro	IEEE Std 802.3bp-2016 oved by the SASB on # 137	SuggestedRemed Add boxed ed convienence publication pr Proposed Respor PROPOSED OBE by 167 C/ 33 SC Grow, Robert Comment Type The note is so might do an u SuggestedRemed Change note indicate if tha	dy ditor's note e of the review eparation. <i>ise</i> ACCEPT IN 33.1.3.1 ER omewhat va pdate to a r dy to indicate to a ction is conse	explaining that all of the Power, and should be remove Response Status W N PRINCIPLE. P44 RMG Consul Comment Status D gue but indicates the pose hormative reference. update reference prior to fi onditional on approval or T Response Status W	<i>L</i> 27 <i>L</i> 27 Iting sibility that publi	ation editor during # <u>140</u> <i>Editorial</i> cation publication editors

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

Cl 33 Grow, Rob	SC 33.1.3.1	P 44 RMG Consulting	L 27	# 141	<i>Cl</i> 79 Grow, Rob	SC 79 ert	9.1	P 207 RMG Consulting	L 4	# 144
Comment		Comment Status X		Editorial	Comment		E	Comment Status D		Editorial
l find it placeh	t inconsistent that older for Annex A	a place holder for 1.3 is include where this note indicates a pla	n to either ii	cument, yet there is no	l assu	•••	tent of in	cluding all of 30.9 through 30-12	2 is for con	
		e the current bibliography entry			Suggested	Remedy				
insert.	nnex A changes to If updating the re	o the draft indicating in an edito ference, assure no other proje			convie		the revie	explaining that unchanged Clau wer, and should be removed by		
•	to existing referen				Proposed	Response	Э	Response Status W		
Proposed I	•	Response Status W			PROP	OSED A	CCEPT II	N PRINCIPLE.		
	(don't understand	this comment)			OBE b	y 124				
CI 33 Grow, Rob	SC 33.4.3 ert	P 160 RMG Consulting	L 53	# 142	CI 33A Grow, Rob	SC 33	BA	P 233 RMG Consulting	L 8	# 145
P802.3	3bz is at RevCom,	Comment Status D so you should verify specificat 302.3bt/D2.1 is produced after 3bz.			Comment	<i>Type</i> like the b	E ook is no	Comment Status D w properly ordered.		Editoria
Suggested	lRemedv				00	remedy ve the Ed	itor's not	2		
Update	2	required, remove note if D2.1 is / the SASB.	produced a	fter 22 September and	Proposed	Response	e	e. Response Status W		
Proposed I	Response	Response Status W			PROP	OSED AG	CCEPT.			
PROP	OSED ACCEPT.				OBE b	y 349				
C/ 33	SC 33.5.1.2	P 175	L 50	# 143						
Grow, Rob	ert	RMG Consulting								
Comment	Type TR	Comment Status X		Pres: Law1						
draft fr	om progressing to	hts a technical incompleteness WG ballot. While it is admira should have been done prior t	ole to highlig							
Suggested	IRemedy									
recircu	Ilation. All that oc e of Clause 45 reg	nk I have a solution for you, bu curs to me is to deprecate the gisters (possibly including the n its in the Clause 45 register sp	use of Claus apped Clau	e 22 registers, require						
Proposed I	Response	Response Status W								
TFTD										
WFP										

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

<i>CI</i> 00 Maguire, Va	SC 0 alerie	<i>P</i> Siemon	L	# 146	C/ 33 Maguire, V	SC 33.4.9.1. 4 /alerie	P 170 Siemon	L 22	# 149
docume structur	ms "twisted pair ent. Please star ed cabling Star	Comment Status D " and "twisted-pair" are ofter indardize on one style. "Twis indards.	n used interchar ted-pair" is reco	<i>Editorial</i> ngeably throughout the ommended to align with	Suggested	ect category refer	Comment Status D ence. with "category 6A" in one loo	cation in Table 3	Editoria 3-35.
SuggestedF Perform appropi	n a global searc	h for the term "twisted pair" a	and replace with	n "twisted-pair" where	Proposed		Response Status W		
Proposed F PROPC		Response Status W IN PRINCIPLE.			C/ 33A Laubach, I	SC 33A Mark	P 233 Broadcom Li	L 8 mited	# 150
		is appropriate when used as air" is correct when used as					Comment Status D roper format and looks like i ballot.	should have be	Editoria en removed prior to
Editor to version	•	n instance of "twisted-pair" or	"twisted pair" v	with the appropriate	Suggested Remo	<i>Remedy</i> ve the editor's no	te.		
CI 33 Maguire, Va	SC 33.1.3 alerie	P 43 Siemon	L 50	# 147	Proposed PROP	Response OSED ACCEPT	Response Status WIIN PRINCIPLE.		
	wisted pair cable hyphen betwee	Comment Status D e" is not a generally recogniz en "twisted" and "pair".	ed term for bal	Editorial anced twisted-pair cable.	OBE b C/ 1 Laubach, I	SC 1.3	P 20 Broadcom Li	L 3 mited	# [151
Replace	e "multi-twisted	pair cable" with "balanced tw	visted-pair cable	e".	Comment	Туре Е	Comment Status D		Editor
Proposed R PROPC	Response DSED ACCEPT	Response Status W			Remo Suggested	te editor's note an IRemedy	nd subclause 1.3. Not need	ed if there is not	
C/ 33 Maguire, Va	SC 33.4.9.1. 4 alerie	4 <i>P</i> 170 Siemon	L 17	# 148	Proposed	r comment. <i>Response</i> POSED REJECT.	Response Status W		
Comment T Incorre		Comment Status D rence ("/EIA" is not part of th	e title).	Editorial			s being added by comment	88.	
SuggestedF Replace 35.		A-568-C.2" with "ANSI/TIA-5	68-C.2" in three	e locations in Table 33-	TFTD				
Pronosed R	Response	Response Status W							

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

C/ 25 SC 25.4.5 Laubach, Mark	P 23 Broadcom Lin	L 15 nited	# 152	C/ 30 SC 30.9.1.1.5 P 28 L 17 # 154 Laubach, Mark Broadcom Limited
Comment Type E Cross reference for "25 SuggestedRemedy As per comment. Proposed Response PROPOSED ACCEPT.	Comment Status D .4.5.1". Add it. Response Status W		Editorial	Comment Type E Comment Status D Editorial No editor instructions apparent for this subclause. This subclause does exist in Clause 2, so not sure what the intent is here. Detected one difference between the texts. So, add appropriate editor's instructions and mark what is being added/deleted. Editorial In looking forward, this is a repeating problem. Clause 30 of .3bt should only contain the subclauses and associated text for what is being changed in Clause 30, if nothing is being changed, it doesn't need to be this draft. Only the first subclause headers for each level
C/ 30 SC 30.9.1 _aubach, Mark	P 27 Broadcom Lin	L 4 nited	# 153	leading up to the new/changed subclauses, the subclause header of interest, the editing instructions, and the added/changed text for the specific sections. SuggestedRemedy
Comment Type E	Comment Status D		Editorial	As per comment.
Editor instructions apper replacement text, new t SuggestedRemedy	pear to be missing pertaining to lines 4 thr v text? Add editor instructions.		h 46. Is this	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 167
As per comment.	_			·
Proposed Response PROPOSED ACCEPT	Response Status W			C/ 33 SC 33.1.3.1 P 44 L 27 # 155 Laubach, Mark Broadcom Limited
I believe these sections	are unchanged.			Comment Type E Comment Status D Editoria Incorrect format for editor's note. Change to correct format.
OBE by 167				SuggestedRemedy As per comment.
				Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
				OBE by 10

			- .			
C/ 33 SC 33 Laubach, Mark	P 41 L 1 Broadcom Limited	# 156	C/ 33 SC 33.8.2 Abramson, David	P 189 Texas Instrume	L 1 ents	# 158
Comment Type T When looking at existin same text and subclau existing Clause 33 and method of updating/ch text, etc. SuggestedRemedy As per comment. Proposed Response PROPOSED REJECT	Comment Status D ng Clause 33 and this Clause 33 replacem use numbers. As such, I cannot tell what ha d what remains the same. Modify Clause 3 anging existing clauses: i.e., editing instruct Response Status W	as been changed from 3 to be the normal ctions and adding/deleting	Comment Type TR The PICS section of th SuggestedRemedy Update PICS section to Proposed Response PROPOSED ACCEPT Has anyone volunteere TFTD	Comment Status D e draft has not been updated to o include all new requirements. Response Status W IN PRINCIPLE. ed for PICS duty for BT? Craig	o include Type	
the normal amendmer to discover that chang in essance. The chan	the procedure with individual editing instruction es were impossible to track since we had to ge bar was a continous strip down the right ade the draft impossible to read as well.	ons through draft 1.5 only ouched the entire clause	for initial Working Grou	P 1 Ciena <i>Comment Status</i> D I for Task Force Review." shou up ballot."	L 25 Id have been "	# [<u>159</u> <i>Editorial</i> 'Draft D2.0 is prepared
comment on Clause 3	P 208 L 1 Broadcom Limited Comment Status D instruction and a lot of unchanged text. Si 0: Clause 79 of .3bt should only contain th	e subclauses and	SuggestedRemedy Going forward change Proposed Response PROPOSED ACCEPT OBE by 133	to Draft D2.1 is prepared for W <i>Response Status</i> W IN PRINCIPLE.	'orking Group	ballot recirculation."
being changed, it does level leading up to the	at is being changed in existing Clause 79 S sn't need to be in this draft. Only the first so new/changed subclauses, the subclause I ad the added/changed text for the specific s	ubclause headers for each header of interest, the	C/ FM SC FM Anslow, Pete Comment Type E	P 2 Ciena Comment Status D	L 4	# 160 Editoria
SuggestedRemedy			51	on information exchanged durir	ng negotiation	
Proposed Response PROPOSED ACCEPT	Response Status W		SuggestedRemedy Change "will be extend	led" to "is extended"		
OBE by 124			Proposed Response PROPOSED ACCEPT	Response Status W		

Comment ID 160

PICS

Editorial

Editorial

C/FM SC FM	P 3	L 40	# 161	C/FM SC FM	P 4	L 30	# 163
Anslow, Pete	Ciena			Anslow, Pete	Ciena		
Comment Type E	Comment Status D		Editorial	Comment Type E	Comment Status D		Editorial
"IEEE Std 802.3-201x	" should be "IEEE Std 802.3-	2015"			s amendment includes enhance		
SuggestedRemedy					yond current standards by utilizi ordance with summaries of othe		
Change "IEEE Std 80	2.3-201x" to "IEEE Std 802.3	-2015"			ill not be appropriate once the a		
Proposed Response	Response Status W				andards" which will not be appro that it will increase the maximum		
PROPOSED ACCEPT	T IN PRINCIPLE.			power? Electrical	signal power? The text ends with	n a green underlin	ied comma.
OBE by 85				Std 802.3-2015 to	e P802.3bu summary is: "This and define a methodology for the pro Terminal Equipment (DTE) with	ovision of power v	ia a single twisted pair
C/FM SC FM	P 4	L 20	# 162	SuggestedRemedy			
Anslow, Pete	Ciena				ary in line with those of other an	nendments	
Comment Type E	Comment Status D		Editorial	Proposed Response	Response Status W		
	d contain the summaries of the 2.3bt in the queue. This does			, ,	EPT IN PRINCIPLE.		
SuggestedRemedy					s amedment includes changes t		
Add the summaries of announced them.	f Amendments 1 through 7 as	s well as 8 and 9	when the WG chair has		vailable ??? by utilizing all four p	airs in the structu	ired wiring plant."
Proposed Response	Response Status W			TFTD			
PROPOSED ACCEP	T IN PRINCIPLE.			C/ 1 SC 1.4.3	13a P 20	L 22	# 164
OBE by 134				Anslow, Pete	Ciena		
				Comment Type E "Insert 1.4.131a af	Comment Status D ter" should be "Insert 1.4.313a a	fter"	Editorial
				SuggestedRemedy			
				Change "Insert 1.4	.131a after" to "Insert 1.4.313a a	after"	
				Proposed Response	Response Status W		
				PROPOSED ACC	EPT.		

Comment ID 164

	C 1.4.381a	P 20	L 26	# 165		C 0	P 27	L 1	# 167
Anslow, Pete		Ciena			Anslow, Pete		Ciena		
Comment Type	Е	Comment Status D		Editorial	Comment Type	ER	Comment Status D		Editoria
Also, IEEE single-sign: SuggestedReme	Std 802.3bp ature PD" w e <i>dy</i>	ruction for 1.4.381a. b-2016 inserted "single twisted <i>i</i> ill have to be 1.4.381aa			amended o The respor	lauses in the se include of been dor	d: "Any unchanged subsectior ne. There is still a large amou	to be removed	before D2.0"
inserted by	IEEE Std 80	on "Insert 1.4.381aa before 1. 02.3bp-2016) as follows: inition to 1.4.381aa	4.381a "single-	signature PD" (as	SuggestedRem		es that are not being changed	in amended cla	2021
Proposed Respo	onse D ACCEPT	Response Status W IN PRINCIPLE.			This appea The text in 30.9.1.1.1 30.9.1.1.5 30.9.1.1.7	rs to includ 30.9.1 (lea hrough 30. hrough 30.	le: ve the heading) .9.1.1.3		
C/ 1 SC Anslow, Pete	C 1.4.418a	Р 20 Ciena	L 36	# 166	All of 30.9.3 All of 30.10 30.12.2.1.5 30.12.2.1.2	through 30	0.12.2.1.18		
draft will hav SuggestedReme Change the PoDL Syste	t inserting "T ve to be 1.4 edy editing inst m" (as inse the inserted onse	Comment Status D Type A PoDL System" as 1.4. .418aa through 1.4.418ad. ruction to: "Insert 1.4.418aa to rted by IEEE Std 802.3bu-207 d definitions to be 1.4.418aa to Response Status W	o 1.4.418ad bef x) as follows:"	ore 1.4.418a "Type A	The text in 30.12.3.1.5 79.1 throug The text in All of 79.3. [There app editing inst 79.3.2.1 the The conten 79.3.2.7 The conten 79.3.2.7 The conten 79.4.1 The text of The only ch 228, line 22	30.12.3 through 3(h 79.2 79.3 1 ers to be so ruction] ough 79.3.2 t of 79.3.2. t of 79.3.2. t of 79.4 (le 79.4.2 hange to th 2, but this is	ome new text at the end of 79. .2.3 4 (leave the heading)	9-5 and Table 7	79-6 "inquiries" on pasge
					Proposed Resp PROPOSE		Response Status W		

C/ 30	SC 30.12	2.2.1.18a	P 36	L 11	# 168	CI 33	SC	33	P 43	L 33	# 171
Anslow, P	ete		Ciena			Anslow, P	ete		Ciena		
Comment	Туре Е	Comm	ent Status D		Editorial	Comment	Туре	TR	Comment Status D		Editoria
30.12	.2.1.18b, 30.	"Insert four ne 12.2.1.18c, 30	w managed object 12.2.1.18d" is not	t classes as show formatted correct	<i>r</i> n in 30.12.2.1.18a, tly.	exact,	with th	e numbei	nerwise stated, numerical li r of significant digits and tra zeros (after the decimal poi	ailing zeros having	no significance."
	dRemedy					Suggested		, 0	· · · (· · · · · · · · · · · · · · · ·	,	
		r 30.12.2.1.18		, 30.12.2.1.18b, 3	30.12.2.1.18c, and	Remo	ve traili	ing zeros	throughout the draft. This		
Proposed	Response	Respon	nse Status 🛛 🛛 🛛 🛛 🛛 🗤						3, Table 33-9, Table 33-10, -14, Table 33-15, Table 33		
PROF	POSED ACCI	EPT.				Equat	ion 33-	15, Equat	ion 33-17, Equation 33-18, 33-23 Table 33-24, Table	Equation 33-19, 1	Table 33-18, Table 33-
Cl 30 Anslow, P	SC 30.12 Pete	2.3.1.18a	<i>P</i> 39 Ciena	L 53	# 169	33-29	, Table	33-30, Ta	able 33-31, Table 33-32, Table 33-32, Table 33-37, Equation 33-37, Equation 33	able 33-33, Equation	on 33-34, Equation 33-
Comment	Туре Е	Comm	ent Status D		Edtitorial	Proposed	,		Response Status W		
showr correc	n in 30.12.3.1 ctly.		w remote system 1.18b, 30.12.3.1.1			C/ 00 Anslow, P	SC	ACCEPT 0	P Ciena	L	# 172
00	dRemedy										Editoria
		truction to: "In r 30.12.3.1.18		, 30.12.3.1.18b, 3	30.12.3.1.18c, and	Comment		ER	Comment Status D ber of broken cross referer	and in the draft. T	
Proposed	Response	Respon	nse Status W			made	into live	e cross-re	eferences or if the target loo "External"		
PROF	POSED ACCI	EPI.				Suggested		-			
CI 33	SC 33.1.	2	P 43	L 17	# 170	Fix all	incorre	ect cross-	references in the draft. So	me are black text,	some are black cross-
Anslow, P	ete		Ciena					ot wotk.	live cross-references or if	the torget leastion	is not in the draft turn
Comment	Туре Е	Comm	ent Status D		Editorial				character tag "External"	ine larger location	
made		802.3 CSMA/C			3-2 or the changes ernet LAN model" in the	I starte just to	ed listin	ng the loca a list, so l	ation of each cross-referen have highlighted the ones		
Suggeste	dRemedy					Proposed	Respor	nse	Response Status W		
	title of Figure net LAN mod		e "IEEE 802.3 CS	MA/CD LAN mod	el" to "IEEE 802.3	PROF	OSED	ACCEPT			
Proposed	Response	Respon	nse Status W								
PROF	POSED ACCI	EPT IN PRINC	CIPLE.								
OBE I	by 95										

C/ 33 SC 33.2.7.1 Anslow, Pete	P 97 Ciena	L 46	# 173	C/ 33 SC 33.2.5.6 Anslow, Pete	6 P 60 Ciena	L 43	# 176
Comment Type E	Comment Status D ced on page 97 line 46, but th	he table does not	<i>Editorial</i> apper until page 101	Comment Type E	Comment Status D	correct.	Editorial
SuggestedRemedy Move Table 33-14 near Proposed Response PROPOSED ACCEPT Editor to try to get Fran	Response Status W IN PRINCIPLE.			Fix indentation Proposed Response PROPOSED ACCEP OBE by 263	Response Status W T IN PRINCIPLE.		
C/ 33 SC 33.1.3 Anslow, Pete	P 43 Ciena	L 36	# 174	C/ 33 SC 33.2.7.2 Anslow, Pete Comment Type E	P 100 Ciena Comment Status D	L 1	# [177 Editorial
SuggestedRemedy	Comment Status D /IEC 11801" and "ANSI/EIA/ n the botton 3 rows of Table Response Status W		<i>Editorial</i> not be in green	SuggestedRemedy	Response Status W		
C/ 33 SC 33.2.5.2 Anslow, Pete	P 55 Ciena	L 17	# 175	C/ 33 SC 33.2.7.3 Anslow, Pete	6 <i>P</i> 101 Ciena	L 38	# 178
Comment Type E "this Clause" should be SuggestedRemedy Change "this Clause" to Proposed Response PROPOSED ACCEPT.	o "this clause" Response Status W		Editorial	(decimal point)." Many equations and s SuggestedRemedy Change all ocurrence	Comment Status D al 12.2 includes: "The decimal some tables in the draft use a s of a comma used as a decin nd tables in the draft (including <i>Response Status</i> W T IN PRINCIPLE.	comma as a deo nal marker to a o	cimal marker. decimal point.

C/ 33 SC 33.2.8.7 Anslow, Pete	P 112	L 40	# 179	C/ 33 SC 33.8.2.2 P 189 L 24 # 182 Anslow. Pete Ciena
Comment Type E	Ciena <i>Comment Status</i> D ns 33-17 through 33-22 are	underlined	Editorial	Comment Type E Comment Status D Editoria "IEEE Std 802.3-201x" should be "IEEE Std 802.3bt-201x" in two places since this is a
SuggestedRemedy Remove underline Proposed Response PROPOSED ACCEPT.	Response Status W			modified clause that is only found in the .3bt amendment. SuggestedRemedy Change "IEEE Std 802.3-201x" to "IEEE Std 802.3bt-201x" in two places. Make the same change in the Clause 79 PICS if it is modified. Proposed Response Response Status W PROPOSED ACCEPT.
Cl 33 SC 33.8 Anslow, Pete Comment Type ER The title of the clause is	P 188 Ciena Comment Status D	L1	# 180 Editorial	C/ 33 SC 33.8.2.4 P 190 L 13 # 183 Anslow, Pete Ciena
should match the actua SuggestedRemedy Change "DTE Power vi	a MDI" to "Data Terminal Ed IDI)" in the title of 33.8, on p <i>Response Status</i> W	quipment (DTE) F	ower via Media	Comment Type T Comment Status X PIC The status of item *MIDA is "MID:O:2". The meaning of the colon is given in 21.6.2:

	_	_						
	C 79.3	P 210	L 16	# 185	C/ 79 SC 79.3.7		L 15	# 188
Anslow, Pete		Ciena			Anslow, Pete	Ciena		
Comment Type		Comment Status D		LLDP	Comment Type E	Comment Status D		Editoria
Table 79-1	has been modif	ied by IEEE Std 802.3br-	2016		space missing in "th	rough65535"		
SuggestedRem	nedy				SuggestedRemedy			
Change the 2016) as fol		ion to: "Change Table 79	-1 (as modified I	by IEEE Std 802.3br-	change to "through	65535"		
and include	e the changes m the 802.3br cha	ade by 802.3br nges don't affect the othe	er parts of Claus	e 79 that are being	Proposed Response PROPOSED ACCE	Response Status W PT.		
Proposed Resp	oonse R	esponse Status W			C/ 79 SC 79.4.2	P 224	L 4	# 189
PROPOSE	D ACCEPT.				Anslow, Pete	Ciena		
					Comment Type E	Comment Status D		
Cl 79 SC Anslow, Pete	C 79.3.2.6a	P 214 Ciena	L 54	# 186	Tables shown as 79 instruction)	-8 and 79-9 should be Tables 7	9-9 and 79-10 (a	s in the editing
Comment Type		Comment Status D	another part of t	Editorial	SuggestedRemedy Re-number the table			
		ection" when referring to a	another part of t	le dialt.				
	,	ion to: "Insert 79.3.2.6a, i	79.3.2.6b, 79.3.2	2.6c, 79.3.2.6d and	Proposed Response PROPOSED ACCE	Response Status W PT IN PRINCIPLE.		
Proposed Resp		esponse Status W			OBE by 126			
	D ACCEPT.				C/ 33 SC 33.2.8	.5 <i>P</i> 109	L 43	# 400
	DACCELL.				Darshan, Yair	.5 P 109 Microsemi	L 43	# 190
CI 79 SC	C 79.3.7	P 218	L 5	# 187	,			005 0
Anslow, Pete		Ciena			Comment Type TR	Comment Status D	:-	PSE Powe
Comment Type	ER (Comment Status D		Editorial		be simplified per the work done org/3/bt/public/jul16/darshan_01		as accepted according
- - - ·	alreadv been ad	Ided by IEEE Std 802.3bi	-2016			meeting to be used in D2.0.		
79.3.7 has a					0			
	•				SuggestedRemedy			
SuggestedRem	nedy	ion to: "Insert 79.3.8 after	r 79.3.7 (as inse	rted by IEEE Std	SuggestedRemedy Addopt darshan_01	_0716.pdf for D2.0.		
SuggestedRem Change the 802.3br-201	edy editing instruct 16) as follows:"	ion to: "Insert 79.3.8 after	r 79.3.7 (as inse	rted by IEEE Std	,	_0716.pdf for D2.0. Response Status W		
SuggestedReme Change the 802.3br-201 Renumber 7	edy editing instruct 16) as follows:" 79.3.7 to 79.3.8		,		Addopt darshan_01	Response Status W		
SuggestedRem Change the 802.3br-201 Renumber Re-number Renumber	edy e editing instruct 16) as follows:" 79.3.7 to 79.3.8 Figure 79-3a to Figures 79-6f th		st figure inserte	d by 802.3br was 79-8)	Addopt darshan_01 Proposed Response	Response Status W		
SuggestedRem Change the 802.3br-201 Renumber Re-number Renumber	edy e editing instruct 16) as follows:" 79.3.7 to 79.3.8 Figure 79-3a to Figures 79-6f th 802.3br above	Figure 79-9 (since the la rough 79-6h to Figures 7	st figure inserte	d by 802.3br was 79-8)	Addopt darshan_01 Proposed Response PROPOSED ACCE	Response Status W		

	33.2.8.7	P 110	L 47	# 191		33.2.10.1	.2 P 119	L 20	# 192
Darshan, Yair		Microsemi			Darshan, Yair		Microsemi		
Comment Type	TR	Comment Status D		PSE Power	Comment Type	TR	Comment Status X		PSE MPS
lowerbound removed fron template"." There is mis template as SuggestedReme Change from "A PSE may lowerbound removed fron template"." To: "The mininin the PI if the I Figure 33–2t the pairset c Proposed Respon PROPOSED The upper bo bound templ	sing text th we did for t ady remove po template" in m a pairset remove po template" in m a pairset PI current r 8, and Figu urrent exce onse D REJECT. ound templ late consist not needed	wer from the PI if the PI curr Figure 33–27, Figure 33–28 of a PSE before the pairset at says that the minimum va he upperbound. wer from the PI if the PI curr n Figure 33–27, Figure 33–24 of a PSE before the pairset of ILIM-2P is the PSE lowerb neets or exceeds the "PSE lo re 33–29. Power shall be rer reds the "PSE upperbound to <i>Response Status</i> W ate is called out directly as the s of multiple named paramet . If it was it should be above ggested.	, and Figure 33- current exceeds lue of ILIM-2P is rent meets or ex 8, and Figure 33 current exceeds bound. A PSE m powerbound temp noved from a pa emplate"."	-29. Power shall be a the "PSE upperbound a the PSE lowerbound acceeds the "PSE -29. Power shall be a the "PSE upperbound ay remove power from blate" in Figure 33–27, airset of a PSE before r ILIM. The lower I, IPEAK. This	have addres voltage trans amplitude ar and add to it There are see 1. How PSE Options: a) If it is miss b) If the PD power even c) The PSE pulse was a 2. What to req problem is th to achieve. b) Leave it a adding a not 3. How to ad Simpler solu requirements at conditions to cross regu that PSE or will be good <i>SuggestedReme</i> 1. Add the for "In case of P resultaed wit power or dis result of PSE 2. Add "Edito"	sed the PS sients caus ad time dur a false curveral ques will addres sing, it sho wants to be f it is false will decide result of PS equire from onditions? uire anythinat it is courver s implement to result of PS equire from onditions? uire anythinat it is courver s for PSEs when only ilation. In t PD is not c to clarify it <i>dy</i> illowing text SE voltage h distored connect) if it E dv/dt." or Note: To PD short MI	http://www.ieee802.org/3/b BE dv/dt that affects short M ed by ports cross regulation ation of the short MPS puls rrent pulse which makes that tions resulting from this resist is false missing or addition uld remove power and risking OFF but there is false addition "don't connect power". what to do if it has the infor SE dv/dt. a PD to make sure that it i ng. The current spec. sugg inter the objective of low ST intation specifics and not to the reader aware of the issue issue when testing system uggested by Chad that is no nor PDs. The solution is ju v single port is operated at a his way the true requirement theating It is clear that the in case of multi-port system that the 1. PSE requirement to that the short that cause MPS pulse, the PSE may of that the information that the address what are the require PS pulse is falsely added o <i>Response Status</i> W	PS. The bottom lins, creates current e and can cancel e short MPS oper- earch: of short MPS pulse ing with false discu- lition of pulse, the mation that the di s generating a val ests using higher BY power which is address it in the sup? for compliance? of required new de a time so PSE dv/ the of the spec is the spec is only about n as we did in other the distorted short irements from PS	ine is: PSE dv/dt it transient at the the MPS short pulse ation less reliable. se? onnect. PSE will keep the istorted short MPS lid MPS pulse under MPS current. The short MPSE was meant spec. May be just efinitions or for meeting MPS rules /dt is not possible due tested and we verify ut a single port but it er cases in the spec.

Cl 33 SC Annex 33B P 237 L 16 # 193 Darshan, Yair Microsemi	C/ 33 SC 79 P 211 L 1 # 195 Darshan, Yair Microsemi
Comment Type TR Comment Status X Pres: Darshan6 (See darshan_06_0916.pdf) Annex 33B directs the reader to Annex 33D to find important informative data to how Rload_min/max where derived. This Annex is missing and should be added as planned. SuggestedRemedy See proposed remedy in darshan_06_0916.pdf for Annex D. Proposed Response Response Status W TFTD WFP V V V C/ 33 SC 33.2.6.1 P 91 L 11 # 194 Darshan, Yair Microsemi Microsemi	Comment Type TR Comment Status X Pres: Darshan13 Clause 79. IEEE 802.3 Organizationally Specific Link Layer Discovery Protocol (LLDP) type, length, and value (TLV) information elements, need to be updated with more TLV information needed for the current spec and optional features to support dual-signature PDs. SuggestedRemedy Adopt recommendations of darshan_13_0916.pdf if available for the meeting. If not ready, add to clause 79: "Editor Note: To verify if TLVs contain all the information required to DLL to support dual-signature DLL state machine in Figure 33-50 including optional information for future needs." Proposed Response Response Status W TFTD TFTD
Comment Type TR Comment Status D Connection Check Table 33-8, Tcc min. Tcc min was removed from PSE state machine and from its timer list. In page 90 lines 38-40 we have a note to explain that PSE implementations should take into consideration the issue of simultaneous pin connection but yet the Tcc minimum is defined in the table and should be removed completely. It is now implementation specifics. SuggestedRemedy Remove Tcc min line from Table 33-8. Proposed Response Response Status W PROPOSED ACCEPT. W	WFP C/ 33 SC 33.2.8.4 P 107 L 36 # 196 Darshan, Yair Microsemi PSE Powe In order to sync the new Equation 33-12 with Equation 33-10 and 33-11, the accuracy of the curve fit of Equation 33-11 need to be increased to the range of <0.25mA. Please see the work done in http://www.ieee802.org/3/bt/public/jul16/darshan_02_0716.pdf and was accepted according the straw poll in last meeting to be used in D2.0. SuggestedRemedy If no other comments, please adopt darshan_02_0716.pdf from http://www.ieee802.org/3/bt/public/jul16/darshan_02_0716.pdf From http://www.ieee802.org/3/bt/public/jul16/darshan_02_0716.pdf

Proposed Response Response Status W

PROPOSED ACCEPT.

<i>Cl</i> 33 <i>SC</i> 33.2.8.4 Darshan, Yair	P 107 Microsemi	L 44	# 197	C/ 33 SC Darshan, Yair	33.2.5.11	P 75 Microsemi	L 12	# 199
	omment Status D lue of IPeak-2P-unb is o ak-2P-unb is one of the e maximum value of Ipea logging in specific operation	values that can ak-2P_unb whic ing conditions si	be derived by Equation h can be found by uch channel resistance.	Comment Type "pd_autoclass Layer classifie during the TA The **if** is re SuggestedRemed Delete the **it Proposed Respon	cation. pd_ CS windo edundant. <i>ty</i> f**. nse	Microsemi <i>Comment Status</i> D iable indicates whether the PI autoclass is set to True wher w, as defined in Table 33–27, <i>Response Status</i> W IN PRINCIPLE.	n a class signat	ure **if** '0' is detected
To: "The worst case value of IPe Equation (33-12)."	ak-2P-unb is IPeak-2P-	unb_max which	can be derived by	OBE by 503	33B.4	P 240	L 37	# 200
Proposed Response Res PROPOSED ACCEPT IN PR Change To: "The worst case value of IPe (33-12)."	-	unb_max which	is defined by Equation	"ICon_2P_un resistance fro When the PS	b and Equ m 0.1 ohn E is tested	Microsemi <i>Comment Status</i> D age 8 in darshan_0716.pdf) ation (33–14) are specified fo in to 12.5 ohm and worst case d for channel common moder	unbalance con esistance less	tribution by a PD. than 0.1 ohm, i.e. 0
Cl 33 SC 33.2.5.9 Darshan, Yair Comment Type TR Co "Type 3 and Type 4 PSEs sh capable of supporting betwee TReset and a transition to Pe oversubscribed and in power a hardware limitation."	en the most recent time OWER_UP. For example	VPSE was at V e, this would ap	Reset for at least	(Rload_max - conformance In the above t <i>SuggestedRemed</i> (See editing r In 33B.4:	- Rchan) to to Equation text it is ab dy marks on p I "0.1 ohm	oout Rchan-2P which range fro page 8 in darshan_0716.pdf) " with "0.2 ohm".	ents and RPSE	E_min and RPSE_max
Doe's "power management r SuggestedRemedy To delete "and in power man Proposed Response Response			ned.	Proposed Respor PROPOSED This commen	REJECT.	Response Status Z		

C/ 33 SC ANNEX 33B P 237 L 18 # 201 Darshan, Yair Microsemi	C/ 33 SC 33C.2 P 245 L 20 # 203 Darshan, Yair Microsemi	
Comment Type TR Comment Status X Pres: D	rshan7 Comment Type T Comment Status D	Anne
(See editing marks on page 5 in darshan_07_0916.pdf) In the text "A compliant unbalanced load, Rload, consists of the channel (cables and connectors) and the PD effective resistances."	Figure 33C-12: Missing TCLE1 lable and arrow as done for Figure 33C-13. SuggestedRemedy Add TCLE1 lable and arrow to Figure 33C-12.	
Rload is actually Rload_min and Rload_max as discussed in Annex 33B. In addition for improved clarity, to tie Rload with Rchan and RPair_ PD.	Proposed Response Response Status W PROPOSED ACCEPT.	
SuggestedRemedy		
(See editing marks on page 5 in darshan_07_0916.pdf) Change: "A compliant unbalanced load, Rload, consists of the channel (cables and connector	C/ 33 SC 33B.1 P 238 L 30 # 204 Darshan, Yair Microsemi	
the PD effective resistances."		Darshar
and connectors), PD effective resistances and PSE PI effective resistance. See Ann Proposed Response Response Status W TFTD	and Vdiff2. 2. The arrows marking the point of measuring Veff1, Veff1, Veff3 abd Veff4 are not sufficiently clear where they are pointing. Follow the original drawing darshan_03_0 for the intent. SuggestedRemedy	
WFP	Editor to:	
C/ 33 SC 33C.1.1 P 241 L 25 # 202 Darshan, Yair Microsemi	 Fix the broken connection in Figure 33B-2. See reference in darshan_03_0916.pdf. To align the arrows to the correct position as exactly as shown in darshan_03_09 	916.pdf.
Comment Type E Comment Status D	ditorial Proposed Response Response Status W	
"Figure 33C-2 illustrates a PSE implementing CC_DET_SEQ=0 when the result of connection check is 'single'."	TFTD	
It should be Figure 33C-1.	WFP	
SuggestedRemedy		
Replace Figure 33C–2 with Figure 33C–1.		
Proposed Response Response Status W PROPOSED ACCEPT.		

CI 33	SC	33A.5	P 234	L 11	# 205	CI 33	SC 33.2.7.3	8.5	P 100	L 42	# 206
Darshan, Y	/air		Microsemi			Darshan, Y	/air		Microsemi		
Comment [·]	Туре	TR	Comment Status X		Pres: Darshan7	Comment	Type TR	Comment	Status D		Editoria
Èquation the 4 e The cla	on 33A equation asses a	-4 was imposed appears appears in the second	_07_0916.pdf) blemented wrongly since Ca in revers order. he correct order.	tania meeting.		Annex Annex	Annex 33C for n C is not about D is reserved f can use Annex	Autoclass. for unbalance is	on on Autoclass. ssues.	n	
		ee802 ora/	o: 3/bt/public/oct15/darshan_0	1 1015 Rev001	ndf	Suggestea	lRemedy				
) are correct, DO NOT CHAN		.pui	1. Cha	inge to: "See Ai	nnex 33E for m	nore information	on Autoclass."	
Suggested	Remed	ly				2. Add here"	Editor Note to	Annex E: "Add	litional information	on regarding Aut	toclass to be added
Chang Rpair_ Rpair_ Rpair_	e only PD_ma_ PD_ma_ PD_ma_	the Equation ax = 2.200 ax = 2.010 ax = 1.800	n in page 4 in darshan_07_09 ons order as follows: * Rpair_PD_min +0.125 For * Rpair_PD_min +0.105For I * Rpair_PD_min +0.080 For * Rpair_PD_min +0.080 For	PD Type 3 class PD Type 3 class PD Type 4 class	6 7	"See A 3. San Page 9 Page 2 Page 2		nore informatio	on on Autoclass.	s, delete the text "	
Proposed I	Respor	ise	Response Status W			Proposed	Response	Response	Status W		
TFTD						PROP	OSED ACCEP	T IN PRINCIPL	_E.		
WFP						OBE b	y 412				
						C/ 33	SC 33.3.2		P 120	L 37	# 207
						Darshan, Y	/air		Microsemi		
						Comment	Type TR	Comment	Status D		PD Type
											ts in dual-signature PD ed and left empty.
						Suggestea	IRemedy				
							"Autoclass" fro dual signature i		pabilities" colum	nn in line 37 and	line 41 for PD Types 3
						Proposed	Response	Response	Status W		
						PROP					

Cl 33 Darshan, Y	SC 33.2.8.4. ′ ′air	I P 108 Microsemi	L 43	# 208	<i>Cl</i> 33 Darshan, Yai	SC 33.3.9	P 129 Microsemi	L 11	# 210
Comment		Comment Status D		Unbalance	Comment Ty		Comment Status X		Pres: Darshan12
The fa 33A-4 Suggested In Equ Chang Proposed	for Rpair_PD_m <i>IRemedy</i> ation 33-14 for c le the factor from	2.015 to 2.010. Response Status W		e factor of Equation	dll_powe and Type Backgrou PD Type In page 1 and 2 sta	r_level and t 2. Ind: 1/2 state ma 22 line 45 w te machine dll_power_t	a 33-32 (PD single signature sta he synch with Figure 33-50 whi achine: have a definition for pse_dll_ in page 124 line 30 at the exit f ype is used in the PD power co	ch is currently i power_type tha rom MDI_PWR	s good only for Type 1 t is used in PD Type 1 1.
CI 33 Darshan, N Comment The Ed Suggested	<i>Type</i> TR ditor note need to	P 175 Microsemi <i>Comment Status</i> X o be updated as for the list of	L 51 features we nee	# 209 Pres: Law1 d to support.	In page 1 single-sig MDI_PW machine The pse_	27 line 11 w Inature PD 1 R1 but inste dll_power_t	Type 3/4 state machine: e have a definition for pse_dll_ ype 3 and 4 state machine on ad there is pse_dll_power_type ype is required in the PD powel ed in the variable list (what is d	page 129 line 1 there as was in	1 at the exit from n Type 1/2 PD state iagram (LLDP) Figure
"Edito Review up, an expan To: To: "Edito Review up, an expan	vers are encoura d clause 22 addi d status, at a mir d's Note: Table 3 vers are encoura d clause 22 addi d status, at a mir	3-22 requires new fields to suged to provide the required of ess space is used up as well immum to report Class 8 PD a 3-22 requires new fields to suged to provide the required of ess space is used up as well immum to report Class 5-8 PD a 4 electrical parameters and	efinitions. Status . Contributions re nd Autoclass." upport new Types efinitions. Status . Contributions re s, dual/single-sig	e register bits are used equested as to how to a and features. a register bits are used equested as to how to	The prob 1. For Ty pse_dll_j 2. Type 3 Figure 3 3. We ne SuggestedRe Adopt da To add E	lems are: pe 3 and 4 s ower_type. and 4 singl 3-50 that hist ed figure 33 emedy rshan_12_0 ditor Note to	ingle-signature PD: It needs to e-signature PD state diagram a orically needs pse_dll_power_ 50 to work with Legacy and ne 916.pdf if available for the mee page 129:	be pse_dll_pov nd variable list Type only for Ty w single-signat ting. If not,	ver_level and not should be sync with rpe 1 and 2. ure PDs.
Proposed TFTD	Response	Response Status W			using the and Type	existing var 4 PDs. (2)	nake changes in Figure 33-50 s iables in Figure 33-50 and worl Type 3 and 4 single-signature F Figure 33-50."	with dll_power	_level when it is Type 3
WFP					Proposed Re TFTD	-	Response Status W		
					WFP				
					See 296				

<i>Cl</i> 33 Darshan, Yair	SC 33.5	P 172 Microsemi	L 26	# 211	C/ 33 Darshan, `		33.2.5.12	P 83 Microsemi	L 5	# 212	
Comment Typ		Comment Status X nent function requirements is n	nissing many of	Pres: Law1	Comment		T 6 Typo in r	Comment Status X	os in CLASS EVA	-	SE SD
		em to add the missing registers			0						
requireme 2. Add ne	clause 33.5 ents" w sub clause	title in line 21 to "33.5 Type 1 e: "33.X Type 3 and Type 4 Ma ol and status register set for Ty	inagement funct	ion requirements"		ge from	;	ig_pri = valid) * (sig_sec	= valid + pwr_app_	_sec)) THEN	
		capability to the MDIO and wil				_cls_4F	PID_pri * (s	ig_pri = valid) * (sig_sec	= valid) + pwr_app	_sec) THEN	
		be implementation specific sin		practical and the spec	Proposed	Respor	nse	Response Status W			
		to do it. See page 172 lines 29	9-32.		TFTD						
SuggestedRe 1.Rename requireme	e clause 33.	5 title in line 21 to "33.5 Type 1	and Type 2 Ma	nagement function	Which	n is corr	ect? Movi	ng the paranthesis actual	y changes the log	ic	
2. Ådd ne	w sub clause	e: "33.X Type 3 and Type 4 Ma			See 2	5					
		0916.pdf if available for the me X the following Editor Note:	eeling. If not rea	ay for the meeting add	CI 33	SC	33.3.8.10	P 155	L 34	# 213	
		lote: Add minimum control and quitant management capability			Darshan, `	Yair		Microsemi			
		as well. The protocol will be ir			Comment	Туре	т	Comment Status X		Pres: Dars	shan7
not practi	cal and the s	spec allows equivalent way to c	do it."					d "PDPI_P2P"			
Proposed Res	sponse	Response Status W						updates. All my comment ? in darshan_07_0916.pd		.10 are shown with	
TFTD									-		
WFP					Suggested	dRemed	dy				
							ents relate 0916.pdf.	d to 33.3.8.10 are shown	with editing marks	s on page 2 in	
					Proposed	Respor	nse	Response Status W			
					TFTD						

WFP

C/ 33 SC Darshan, Yair	C 33.6	P 177 Microsemi	L 40	# 214	C/ 33 Darshan, Ya	SC 33.2	2.8.7	P 111 Microsemi	L 30	# 215
Comment Type	TR	Comment Status X		Pres: Darshan11	Comment T		2	Comment Status D		PSE Powe
33.6 Data L 1. support o 2. To fix sor its variable and maybe	ink Layer c dual-signatu me error re list, PD DL Figure 33- on clause 3	garding the sync between var L power state maching and its 49 as well. 3.6 needs to be in sync with P	iable names in P s variable list and	D state machine and figure 33-50 mainly	1. Equa betweer 2. Equa <i>SuggestedR</i> 1. Chan To: "The	tion 33-16 1 ILIM_mi tion 33-16 Remedy ge the texe total cur	6 desci n and 6 adres tt "ILIM rent at	ss ILIM_min during TLIM-2P //_min is defined by Equation t ILIM-2P_min operating poin	min time durati (33–16)."	on only.
SuggestedRem	edy				defined	by Equati	on (33	3–16)."		
the begining "Editor Note 1. support of 2. To fix sor its variable and maybe	g of clause e: 33.6 Data dual-signatu me error re list, PD DL Figure 33-	a Link Layer classification nee ire PD. garding the sync between var L power state maching and its	ed to be updated iable names in P s variable list and	in order to: D state machine and figure 33-50 mainly	ILIM_mi To: ILIM_mi	ge Equati n={Ipeak- n={Ipeak_ "where" is del	+0.004 _max+ list cha	4}A -0.004}A		
roposed Resp	onse	Response Status W			"lpeak_i		is the	maximum value of Ipeak der	ived from Equa	ition (33-9)"
TFTD					Proposed R			Response Status W		
WFP					PROPO	SED ACO	EPT.			
					TFTD (r	needs mo	re revi	ew)		
					C/ 33 Darshan, Ya	SC 33. 2 iir	2.8.4	P 106 Microsemi	L 24	# 216
					Comment T	vpe E	R	Comment Status D		Editoria
								quired here. Normally we use rrent. In this case this is just		
					33.2.5.9	- P-sec is th		output current sourced by the	·	
					SuggestedR	Remedy				
						total" in ty	vo loca	ations.		
					Proposed R	esponse		Response Status W		
					,					

Cl 33 Darshan,	SC 33.2.8.4. 1	P 108 Microsemi	L 34	# 217	C/ 33 Darshan, N	SC 33	.2.8.4	P 107 Mierosomi	L 43	# 219
,										
RCh.	-2P-unb applies for	Comment Status D or total channel common mod o common mode pair resistan				an-2P del	finition for	Comment Status D Equation 33-11, it will help ninimum value.	to define the o	PSE Powe perating range of
33B."					Suggested	IRemedy				
ohm"	need to be chang	ICon-2P-unb which is defined led to "0.2 ohm". s the range for Rchan in 4-pai	-	ange therefore the "0.1	"where		e channel	DC loop resistance per pair	rset, as defined	ł in 33.1.3"
Suggeste	dRemedy				To:					
		to "0.2 ohm" in the following	locations:		"where					
	ge 108 line 34. ge 108 line 35.							DC loop resistance per pair e for Equation 33-11 is from		
3. Cla	use 33.2.8.1 page				Proposed			Response Status W		
	use 33.2.8.1 page nex 33B.4 title page				PROP	OSED AC	CEPT IN	, PRINCIPLE.		
7. Anı	1.0	40 lines 36. 40 lines 38 to 39, two locatior	IS.		Chang "where					
	Response POSED ACCEPT.	Response Status W			RChar	n-2P is the		DC loop resistance per pain value of 0.2 ohm when us		
CI 33	SC 33.2.8.5	P 110	L 4	# 218	CI 33	SC 33	.2.8.4	P 108	L 2	# 220
Darshan,	Yair	Microsemi			Darshan, Y	/air		Microsemi		
Comment	Туре Т	Comment Status D		PSE Power	Comment	Туре Т	ſR	Comment Status D		PSE Powe
to pai	r resistance unba	minimum value of IInrush-2P lance." is correct when operat	includes the ef ing over 4-pairs	fect of end to end pair S.	This is		tion of Ipe	nes 7 and 8. eak-2P therefore Rchan-2P	should be use	d and not Rchan.
Suggeste	dRemedy de from:				Suggested	IRemedy				
	minimum value of	Ilnrush-2P includes the effec	t of end to end	pair to pair resistance	2. Cha	inge from	Rchan to	Rchan-2P in Equation 33-1 Rchan-2P in Equation 33-1 Rchan-2P in "where" list Eq	3 line 8.	ine 17.
	minimum value of ance when operat	Inrush-2P includes the effecting over 4-pairs.	t of end to end	pair to pair resistance	Proposed PROP	Response OSED AC		Response Status W		
Proposed	Response	Response Status W								

PROPOSED ACCEPT.

Cl 33 SC 33 Darshan, Yair	.3.8.4	P 149 Microsemi	L 17	# 221	CI 33 Darshan, '		3.2.5.12	P 87 Microsem	L 11	# 223
Comment Type	TR C	omment Status X		PD Power	Comment	Туре	т	Comment Status D		PSE SI
isolated circuits Cx+Cy as seen However dual s	(loads) conr by the PSE. gnature PDs	igure 33-36 is presenting nected to mode A and m s may be implemented ir result with lower than C	ode B and show	ving total capacitance	There It is cl Suggestee	ass_4PID dRemedy	_mult_e	it from CLASS_EV1_LC /ents_pri and not cls_4F		
isolated circuits Cx+Cy as seen However dual s	ture part of F (loads) conr by the PSE. ignature PDs	Figure 33-36 is presentin nected to mode A and mo	ode B and show	ving total capacitance	cls_4 To: class_ Proposed	ge from: PID_mult_ _4PID_mu <i>Respons</i> POSED A	ult_events			
Proposed Response TFTD		sponse Status W	-,		Cl 33 Darshan, `		3.2.5.12	P 88 Microsem	L 10 i	# 224
Darshan, Yair Comment Type (See darshan_C Annex 33A.5 ne 1. Equation 33A 2. Some text cla	7_0916.pdf eds updates -4 was not in arification wa	mplemented correctly. It	was written in r	# 222 Pres: Darshan7 everse order.	There It is cl Suggested Chang To: cla Proposed	a 33-20. is a typo ass_4PID d <i>Remedy</i> ge from: c ass_4PID)_mult_ev cls_4PID_ mult_ev e	Comment Status D it from CLASS_EV1_LC vents_sec and not cls_4 mult_events_sec rents_sec Response Status W		
SuggestedRemedy See page 4 in d Proposed Response TFTD WFP		0916.pdf for proposed re sponse Status W	medy.							

Cl 33 SC 33.2.5.1 Darshan, Yair	2 P 86 Microsemi	L 25	# 225	<i>CI</i> 33 Darshan, Ya	SC 33A.5 air	P 234 Microsemi	L 28	# 228
Comment Type TR See darshan_01_091 The exit from CLASS			PSE SD	Figure 3	ige 4 in darsha 33A-4 in Anne:	Comment Status X an_07_0916.pdf for editing mar x 33A.5 contains the resistors ubscripted as in their equations	R1, R2, R3 and	
Missing "(" in "PSE_a	vail_power=5)".			SuggestedF	Remedy			
SuggestedRemedy Change from:						an_07_0916.pdf for editing mai cript the index number of R1, F		
	mr_pd_class_detected NE 4) *	((mr_pd_class_	detected=0) +	Proposed R TFTD		Response Status W	(<u>)</u> , ito and iti.	
	mr_pd_class_detected NE 4) *	((mr_pd_class_	detected=0) +	WFP				
Proposed Response PROPOSED ACCEP	Response Status W							
C/ 33 SC 33.2.5.1 Darshan, Yair	2 P 88 Microsemi	L 46	# 226					
Comment Type T This is SEC ALTERN	Comment Status D ATIVE state machine so the ex	tits marked "I" sh	PSE SD ould be "K".					
SuggestedRemedy Change from "I" to "K	u .							
Proposed Response PROPOSED ACCEP	Response Status W T.							
<i>Cl</i> 33 <i>SC</i> 33.3.3.1 Darshan, Yair	2 P 130 Microsemi	L 24	# 227					
Comment Type TR Dual-signature state r See darshan_09_091	Comment Status D machine need to be updated to 6.pdf.	support DLL.	Withdrawn					
SuggestedRemedy								
See darshan_05_091	6.pdf for proposed remedy.							
Proposed Response PROPOSED REJECT	Response Status Z Г.							
This comment was W	ITHDRAWN by the commente	r.						
OBE by 251								
			The shares E for the side Of	(0		D

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

C/ 33 SC 33A.5	P 234	L 21	# 229		SC 33.2.5.1		P 84	L 9	# 230
Darshan, Yair	Microsemi			Darshan, Yai		N Comment Sta	Aicrosemi		
In the following text: "RPair_PD_max and RI impedance of pairs of the voltage Veff_pd_n, divided shown in the example in 1. Mixed use of "resistand 2. The common mode of the state of the	Comment Status X _07_0916.pdf for editing mark Pair_ PD_min represent PD c he same polarity. The effective ded by the current through the n Figure 33A-4, where n is the nce" and "impedance". Use o effective resistance is not suff hely how to measure it is define	ommon mode ir e resistance Rn e path as descril e pair number." nly resistance fo iciently defined	is the measured bed below and as or contintency.	progress If the PD START_ SuggestedRe 1. Group 2. Add "E	from IDLE_ f pwr_app_ is dual-sig th DETECT_SE medy to explain th ditor Note: 0	_SEC to START_E pri=0 since the exi hat accept power of EC even if pwr_ap	DETECT_SE t is valid if !p over 4-pairs t p_pri=0 nachine to all	wr_app_sec*pwi hen we should g ow progress fror	n IDLE_SEC to
SuggestedRemedy				Proposed Re	sponse	Response Sta	atus W		
Chane lines 21-24 from "RPair_PD_max and R impedance of pairs of th	Pair_ PD_min represent PD c he same polarity. The effectiv	ommon mode ir e resistance Rn	is the measured		SC Annex :		P 241 /licrosemi	L 14	# 231
shown in the example i	ded by the current through the n Figure 33A–4, where n is the	e pair as descri e pair number "	bed below and as	Comment Ty	e TR	Comment Sta	atus X		Anne
resistance of pairs of th resistance of two condu parallel including the ef polarity (e.g. Veff_pd1-' resistance Rn is the me	Pair_ PD_min represent PD c e same polarity. Common mo ictors of the same pair and th fect of PD pair-to-pair voltage Veff_pd3 as shown in Figure 3 assured voltage Veff_pd_n, di as shown in the example in I	ode effective res eir other compo difference of pa 33A-4). The con vided by the cur	istance is the nents connected in airs with the same nmon mode effective rrent through the path	between After revi done in p TRUE wh Staggere staggere TRUE or In additio	detection an ewing it, it se arallel when ich is not ne d classificati I classificatio FALSE. n, in all draw	eems to supply als dual-signature PE ecessarily correct. ion can be done re on can be done re	ck as functior so information D is detected egardless if it gardless if it urts at the sar	n of CC_DET_SE n regarding if cla and Class_4PIC is single or dual is Class_4PID_r ne time while in	g relationships EQ variable options. ssification must be 0_mult_events_sec is signature PD and nult_events_sec is dual-signature or even
Proposed Response	Response Status W			SuggestedRe	medy				
TFTD WFP				a)In dual in figure 3 note sayi Staggere	signature cl 3C-2, 33C-{ ng "The drav d classificati		e done in par n is in paralle tion to classif ON can be do	el and cab ne als ication and POW one."	ered way. See example o staggered. Or add VER_ON timing.
				Proposed Re TFTD	sponse	Response Sta	atus W		
						se work offline bef to this comment.	ore the meet	ing to fix this. W	/e can present your

Cl 33 SC 79.3.2.6d Darshan, Yair	P 217 Microsemi	L 19	# 232	<i>Cl</i> 33 SC 33 Darshan, Yair	.2.5.9	P 69 Microsemi	L 54	# 234
maximum power consur In addition Table 796d t I believe the definitions a)It is not clear who is ir b)What is the timing sec c)When to raise power? d)When to measure? e)Where is the final Ack F)The flow is missing. SuggestedRemedy Add "Editor Note: The ti Autoclass measuremen Proposed Response PROPOSED ACCEPT I TFTD	ries to specify some "handsha are incomplete and may caus nitiating the request for new A quence? nowledge? ming and state flow is missing ts. <i>Response Status</i> W	ake" parameter te issues. utoclass meas	s. urement?	Dual-signature F "pd_dll_power_t A control variabl indicates the Type of PD as a Values: 1: PD is a Type 2: PD is a Type 3: PD is a Type 4: PD is a Type <i>SuggestedRemedy</i> Change to: "pd_dll_power_t A control variabl indicates the	ype le output dvertise 1 PD (dv 2 PD 3 PD 4 PD" ype le output dvertise 1 PD (dv 2 PD 3 PD 4 PD	t by the PSE power control s d through Data Link Layer cl efault)	lassification.	-
Example: dual-signature modes. Same for currents, ener SuggestedRemedy	to be for pairset A and B sep e dual load will have different	voltages at the	PD input over the	6: PD is a Type Proposed Response PROPOSED AC OBE by 287.	4 dual-s e	ignature PD" Response Status W		

Proposed Response

TFTD

C/ 33 Darshan, Ya		3.2.5.9	P 11 Micros	-	L 51	# 235	C/ 33 Darshan, Y		33.2.5.9	P 64 Microsemi	L 41	# 236	
Comment Ty		TR	Comment Status			PSE Power	Comment		TR	Comment Status X			MPS
The text "The rigl PSEs th	t: ht side hat sup	vertical a ply power	axis in Figure 33–28 a r to a single-signature	and Figur		es to Type 3 and Type 4	To add activity When	d optior / or it w this bit	nal variable as added is activate	e that indicates that the MP due to PSE dv/dt activity. ed, it is up to the PSE if to r hat the PSE has.	•	0	dt
is not ac	ccurate	and con	fusing.				Suggested	Reme	ly				
SuggestedR	Remedy	/					•••		lowing var	iable:			
PSEs th To: "The left PSEs th The righ	ht side hat sup t side v hat sup ht side v	ply power vertical ax ply power vertical a:	r to a single-signature tis in Figure 33–28 an	e PD over nd Figure a single- nd Figure	r 4-pair." 9 33–29 applies -signature PD e 33–29 indica		This of MPS p Values 0: N 3: 1: N 2: N	ptional oulse w S MPS pt 3.2.10. MPSE p	as damage Ilse is not a 1.2. pulse is mi	d used to tell the PSE syste ed due to PSE dv/dt. affected by PSE dv/dt. PSE ssing due to PSE dv/dt. PS dded due to PSE dv/dt. PS	shall meet the E may maintain	MPS rules in power.	short
Proposed R		• •	Response Status		gie signature i				r PSE SM	will be supplied for next me	eting.		
			,	vv			Proposed I	Respor	nse	Response Status W	-		
PROPO	ISED A	CCEPT	IN PRINCIPLE.				TFTD						
Change													
			xis in Figure 33–28 ar 4 PSEs supply power				C/ 33 Darshan, Y	SC ⁄air	79	P 208 Microsemi	L 2	# 237	
							Comment	Type	TR	Comment Status D			LLDP
							physic At this Now if he can	al adve point r PSE h n't do it	ertised clas nobody has as the pov since DLL	e class event due to power ss. s this information. ver budget, and PD wants f do not have the physical P add to TLVs information, th	or more through D class.	DLL to increase p	ower,
							Suggested	Reme	dy				
										or Note: If TLVs doesnt con ss, to add it."	ain information	regarding the PD	
							Proposed PROP	,	nse REJECT.	Response Status W			
										g Editor's notes that show to WG. Please submit actual			ill just

C/ 33 SC 33.2.5.12 P 82 L 10 # 238 Darshan, Yair Microsemi	C/ 33 SC 33.2.5.9 P 66 L 5 # 240 Darshan, Yair Microsemi
Comment Type TR Comment Status X PSE SD	Comment Type T Comment Status X PSE SL
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	'class_num_events_pri' have only options of 1,2,4 events but Table 33-7 says 1,2,3 and 4. To clarify th ereason for differences. (is it because class_num_events_pri is maximum values?). Same comment for page 66 line 15 regarding 'class_num_events_sec'
SuggestedRemedy	SuggestedRemedy
 Group to explain the intent. Add "Editor Note: Correct the state machine to allow progress from IDLE_PRI to START_DETECT_PRI regardless if there is power in primary pairs." 	Group to clarify. Proposed Response Response Status W
Proposed Response Response Status W	TFTD
TFTD (authors of SD to comment).	I believe it should include "3" as an option based on our 4PID workright?
C/ 33 SC 33.6 P 177 L 40 # 239 Darshan, Yair Microsemi	C/ 33 SC 33.3.8.10 P 155 L 34 # 241 Darshan, Yair Microsemi
Comment Type TR Comment Status X DLL Type 3 and Type 4 single signature state machine is not complete and contradicts DLL power management in clause 33.6. The main issues are: 1. Figure 33-50 is not supporting Type 3 and Type 4 single-signature PDs. (need to support pse_dll_power_level and pse_dll_power_type) 2. Duplicate variables used in 33.6 and 33.3.3.7 (e.g pse_dll_power_level) SuggestedRemedy Add "Editor Note: clause 33.6 and 33.3.3.7 need to be in sync. The following issues need to be adressed: 1. Figure 32.6 bit patterneed a compacting Type 3 and Type 4 single signature PDs. (need to support pse_dll_power_level)	Comment Type E Comment Status D Editoria Error in the link to Figure 33-39. Need to be 33-40. SuggestedRemedy Change from "Figure 33-39" To: "Figure 33-40". Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 468
 Figure 33-50 is not supporting Type 3 and Type 4 single-signature PDs. (need to support pse_dll_power_level and pse_dll_power_type) Duplicate variables used in 33.6 and 33.3.3.7 (e.g pse_dll_power_level)." 	C/ 33 SC 33.3.8.10 P 155 L 40 # 242 Darshan, Yair Microsemi
Proposed Response Response Status W TFTD	Comment TypeEComment StatusDEditoriaError in the link to Figure 33-39. Need to be 33-40.
I don't think adding editor's notes pointing out technical incompleteness are a good idea at this point. We need actual soluitions.	SuggestedRemedy Change from "Figure 33-39" To: "Figure 33-40".
	Proposed Response Response Status W PROPOSED ACCEPT.

					•				
C/ 33 SC 33.3.8	.10 <i>P</i> 155	L 42	# 243	CI 33	SC	33.3.8.10	P 156	L 9	# 244
Darshan, Yair	Microsemi			Darshan,	Yair		Microsemi		
Comment Type T In the text: "Rsource_min and F resistance that cons specified in 33.2.8.4 resistance). Commo same pair and their VPort_PSE_diff. IA 33A.5 for design gui	Comment Status X Rsource_max represent the Vin sists of the PSE PI components 4.1, VPort_PSE_diff as specified on mode effective resistance is t other components connected in and IB are the pair currents of p ide lines for meeting the above r sing information that clarifies the	(RPSE_min and in Table 33–17 he resistance of parallel includin airs with the san equirements."	RPSE_max as and the channel two conductors of the g the effect of ne polarity. See Annex	Comment See o In figu It sho Rsou See o Suggeste See o Proposed TFTD	t Type darshan_ ure 33-4 ould start rce_max darshan_ dRemed darshan_ I Respor	0, all Resis t with Rsou k in this ord _04_0916.p dy _04_0916.p	Comment Status X off for the correct drawing. tors are marked as Rsource rce_min from top, and then I		
Change from:	Rsource_max represent the Vin	source common	mode effective	WFP					
resistance that cons specified in 33.2.8.4	sists of the PSE PI components 4.1, VPort_PSE_diff as specified	(RPSE_min and in Table 33–17	RPSE_max as and the channel	<i>Cl</i> 33 Darshan,		33.3.8.10	P 156 Microsemi	L 17	# 245
same pair and their VPort_PSE_diff. IA 33A.5 for design gu	on mode effective resistance is to other components connected in and IB are the pair currents of p ide lines for meeting the above r	parallel includin airs with the san	g the effect of	"Figu	vording re 33-40	-PD PI pair	Comment Status D of Figure 33-40: -to-pair current unbalance to est models in the spec.	est setup"	Editorial
resistance that cons specified in 33.2.8.4	Rsource_max represent the Vin sists of the PSE PI components 4.1, VPort_PSE_diff as specified BRAND_BREAK and the specified in	(RPSE_min and in Table 33-17,	RPSE_max as channel resistance	To: "F	ge from Figure 3	: "Figure 33 3-40-PD PI	-40-PD PI pair-to-pair currer pair-to-pair current unbalan		st setup"
Rsource_min and R two conductors of the	n, RPAIR_PD_max specified in Resource_max. Common mode ef he same pair and their other com el including the effect of the syste	fective resistanc ponents (that a	e is the resistance of re forming Rsource)	Proposed PROI	•	nse ACCEPT.	Response Status W		
	air currents of pairs with the sam			CI 33		33.3.8.10	P 156	L 19	# 246
Proposed Response	Response Status W			Darshan,	Yair		Microsemi		
TFTD				Comment		Е	Comment Status D		Editorial
WFP				"NOT recon is tes <i>Suggeste</i> Chan	E 1—Rs nmende t setup i <i>dRemed</i> ge from est mod	source inclu d Rcon valu mplementa dy : "test setup lel"	an be improved in by replaci udes test setup plug resistan ue is 0.02 ohm however it tion specific choice how to n o" <i>Response Status</i> W	ce Rcon. The n	naximum
				•	•	ACCEPT.	Nesponse Status W		
				1.00	COLD				

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

Comment ID 246

Page 55 of 122 8/31/2016 3:48:50 PM

Cl 33 SC 33.2.8.5 P 109 L 43 # 249 Darshan, Yair Microsemi	Cl 33 SC 33.3.3.12 P 130 L 24 # 251 Darshan, Yair Microsemi
Comment Type TR Comment Status D Pres: Darshan2 (This is identical comment to other one that I sent. Here I have updated the file to darshan_02_0916.pdf insted darshan_01_0716.pdf from July which its base line is the same. The only differences are in the Annex where "Im' was changes to "Imax" in few	Comment Type TR Comment Status D Pres: Darshans (This comment corrects similiar comment with error in the file name used for the proposed remedy.)
places to be consistent with the rest of the document.) Equation 33-15 can be simplified per the work done in http://www.ieee802.org/3/bt/public/jul16/darshan_01_0716.pdf and was accepted according the straw poll in last meeting to be used in D2.0. See updated version of it (baseline was not changed) in darshan_02_0916.pdf. SuggestedRemedy Addopt darshan_02_0916.pdf for D2.0.	Dual-signature state machine need to be updated to support DLL. See darshan_09_0916.pdf. SuggestedRemedy See darshan_09_0916.pdf for proposed remedy. Proposed Response Response Status W TFTD WFP
Proposed Response Response Status W PROPOSED ACCEPT. Cl 33 SC Annex 33B P 237 L 16 # 250	Cl 33 SC 33B.4 P 240 L 37 # 252 Darshan, Yair Microsemi Comment Type TR Comment Status X Pres: Darshan
Darshan, Yair Microsemi Comment Type TR Comment Status X Pres: Darshan6 (See darshan_06_0916.pdf) Annex 33B directs the reader to Annex 33D to find important informative data to how Rload_min/max where derived and other parts that are pair to pair related. This Annex is missing and should be added as planned. Annex D is needed since all the parts of pair to pair unbalance are spread all over the spec and it is hard to see the whole picture. I find it very useful to have short summary that show the whole spec explained in short in 1.5 pages and it was planned to be there long time ago. Annex D content was reviewed many times in the original contribution (see the	(This comment is identical to other comment in which only file name was corrected.)
reference at the end) and base on it, the whole spec was built. SuggestedRemedy See proposed remedy in darshan_06_0916.pdf for Annex D. Proposed Response Response Status W	 (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".
TFTD WFP	Proposed Response Response Status W TFTD WFP

Cl 33 SC Annex B Darshan, Yair	P 237 Microsemi	L 18	# 253	Cl 33 SC 33 Klempa, Michael	3-47	<i>P</i> 167 UNH IOL	L 28	# 256
Comment Type TR Annex B needs some u	Comment Status X	rked decurrent	Pres: Darshan7	Comment Type	E t Cord" fi	Comment Status D gures are inconsistent and so	ometimes incomplet	Editoria te.
SuggestedRemedy	.pdf pages 5-8 for editing ma s in darshan_07_0916.pdf pa		ng marked document.	SuggestedRemedy Re-draw diagrar to the line	m using t	he same Equipment Cord in	each model and ke	ep them tangential
Proposed Response TFTD	Response Status W			Proposed Response PROPOSED AC		Response Status W		
WFP 	P 86	L 22	# 054	C/ 33 SC 33 Jones, Peter	3.8.2.3	P 189 Cisco	L 39	# 257
Darshan, Yair	Microsemi	L ZZ	# 254	Comment Type	TR	Comment Status D		PIC
Comment Type TR	Comment Status X		Pres: Darshan8	D 2.0 seems to	be missi	ng updates to the PICS for ty	pe 3 & type 4.	
issuing 3 finger and the to generate only one fir This is covered by the t	e part for single signature whe en doing class reset due to lal nger etc. text but not in the state mach	ke of sufficient p		SuggestedRemedy Complete the re Proposed Response PROPOSED A0	Э	Response Status W		
SuggestedRemedy Add the missing state r	machine part in darshan_08_	0916 pdf						
Proposed Response	Response Status W	0010.pul.		OBE by 158				
TFTD				C/ 33 SC 33 Bullock, Chris	3.8.3.2	P 191 Cisco Systems	L	# 258
WFP				Comment Type	ER	Comment Status D		PIC
C/ 00 SC 0	Р	L	# 255	All Type 3 and 1	Type 4 SI	nalls are missing from teh Plo	CS	
Klempa, Michael	UNH IOL			SuggestedRemedy				
Comment Type E Equations are using ","	Comment Status D instead of "." according to the	e style guide:	Editorial	Proposed Response	Э	ement for each Type 3 and Ty Response Status W	ype 4 requirement	
the	hould be a dot on the line (de intended for international add	. ,		PROPOSED AC	JCEPT II	N PRINCIPLE.		
SuggestedRemedy Replace all appropriate	e "," in equations with "."							
Proposed Response PROPOSED ACCEPT.	Response Status W							

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

Cl 33 Beia, Chris	SC 33.2.5.3	P 55 STMicroelec	L 41	# 259	C/ 33 Beia, Chris	SC 33.2.5.5		₽ 59 Microelect	L 26	# 261
Comment		Comment Status D		Editorial	Comment		Comment Stat			Editor
The Ty		constants is only one, and	t used only in the		The Ty figures	ype1 and Type 2 3 33-13 and 33-1	2 timers are only re 4. Timers with the	levant to the same name	ne and different	Type 2 state diagrams ir definition may be
Suggested	Remedy						other state diagran	ns, so the r	reader should be	e warned.
with:	SE state diagram	s use the following constan 2 PSE state diagram in figu		following constants:	The Ty	fter the first para	graph the following 2 PSE state diagra 13 and 33-14:			rs, which are only
Proposed PROP	Response OSED ACCEPT I	Response Status WIIN PRINCIPLE.			Proposed PROP	,	Response State	ıs W		
OBE b	y 102				OBE b	oy 102				
Cl 33 Beia, Chris	SC 33.2.5.4	P 55 STMicroelec	L 51 tronics	# 260	C/ 33 Beia, Chris	SC 33.2.5.6		P 60 Microelect	L 4 ronics	# 262
Comment		Commant Status		Editorial	Comment	Туре Т	Comment Stat	us D		Editor
		Comment Status D				51				
The Ty in figur defined	rpe1 and Type 2 res 33-13 and 33- d for other state d	variables are only relevant 14. Variables with the sam liagrams, so the reader sho	e name but differe	Type 2 state diagrams	The Ty diagra defined	m in figure 33-13 d for other state	2 functions are onl 3. Timers with the diagrams, so the r	same name	e and different of	
The Ty in figur defined Suggested change The PS with:	rpe1 and Type 2 r es 33-13 and 33- d for other state d <i>Remedy</i> e: SE state diagram	variables are only relevant -14. Variables with the sam liagrams, so the reader sho s use the following variable	e name but differe ould be warned. s:	Type 2 state diagrams ent definition may be	The Ty diagra define <i>Suggestea</i> Add at The Ty	m in figure 33-13 d for other state <i>IRemedy</i> t the beginning o	3. Timers with the diagrams, so the r of 33.2.5.6 the follo 2 PSE state diagra	same name eader shou wing sente	e and different c uld be warned.	
The Ty in figur defined Suggested change The PS with: The Ty	rpe1 and Type 2 res 33-13 and 33- d for other state d <i>Remedy</i> e: SE state diagram rpe 1 and Type 2	variables are only relevant -14. Variables with the sam liagrams, so the reader sho s use the following variable PSE state diagrams use th	e name but differe ould be warned. s:	Type 2 state diagrams ent definition may be	The Ty diagra define <i>Suggestea</i> Add at The Ty	m in figure 33-13 d for other state <i>IRemedy</i> t the beginning o ype 1 and Type 2 nt to figure 33-13	3. Timers with the diagrams, so the r of 33.2.5.6 the follo 2 PSE state diagra	same name eader shou wing sente ms use the	e and different c uld be warned.	definition may be
The Ty in figur defined <i>Suggested</i> change The PS with: The Ty relevan	rpe1 and Type 2 es 33-13 and 33- d for other state of <i>Remedy</i> e: SE state diagram rpe 1 and Type 2 nt to figures 33-13	variables are only relevant 14. Variables with the sam liagrams, so the reader sho s use the following variable PSE state diagrams use th 3 and 33-14:	e name but differe ould be warned. s:	Type 2 state diagrams ent definition may be	The Ty diagra define Suggested Add at The Ty releva Proposed	m in figure 33-13 d for other state <i>IRemedy</i> t the beginning o ype 1 and Type 2 nt to figure 33-13 <i>Response</i>	3. Timers with the diagrams, so the r of 33.2.5.6 the follo 2 PSE state diagra 3:	same name eader shou wing sente ms use the	e and different c uld be warned.	definition may be
The Ty in figur defined Suggested change The PS with: The Ty relevan Proposed	rpe1 and Type 2 es 33-13 and 33- d for other state of <i>Remedy</i> e: SE state diagram rpe 1 and Type 2 nt to figures 33-13	variables are only relevant 14. Variables with the sam liagrams, so the reader sho s use the following variable PSE state diagrams use th 3 and 33-14: <i>Response Status</i> W	e name but differe ould be warned. s:	Type 2 state diagrams ent definition may be	The Ty diagra define Suggested Add at The Ty releva Proposed	m in figure 33-13 d for other state <i>Remedy</i> t the beginning o ype 1 and Type 2 nt to figure 33-13 <i>Response</i> OSED ACCEPT	3. Timers with the diagrams, so the r of 33.2.5.6 the follo 2 PSE state diagra 3: <i>Response State</i>	same name eader shou wing sente ms use the	e and different c uld be warned.	definition may be
The Ty in figur defined Suggested change The PS with: The Ty relevan Proposed	rpe1 and Type 2 es 33-13 and 33- d for other state d <i>Remedy</i> a: SE state diagram rpe 1 and Type 2 ht to figures 33-13 <i>Response</i> OSED ACCEPT 1	variables are only relevant 14. Variables with the sam liagrams, so the reader sho s use the following variable PSE state diagrams use th 3 and 33-14: <i>Response Status</i> W	e name but differe ould be warned. s:	Type 2 state diagrams ent definition may be	The Ty diagra define Suggested Add at The Ty releva Proposed a PROP	m in figure 33-13 d for other state (Remedy t the beginning of ype 1 and Type 2 nt to figure 33-13 Response OSED ACCEPT by 102 SC 33.2.5.6	3. Timers with the diagrams, so the r of 33.2.5.6 the follo 2 PSE state diagra 3: <i>Response State</i> IN PRINCIPLE.	same name eader shou wing sente ms use the	e and different o uld be warned. ence: e following funct	definition may be
The Ty in figur defined Suggested change The PS with: The Ty releval Proposed I PROP	rpe1 and Type 2 es 33-13 and 33- d for other state d <i>Remedy</i> a: SE state diagram rpe 1 and Type 2 ht to figures 33-13 <i>Response</i> OSED ACCEPT 1	variables are only relevant 14. Variables with the sam liagrams, so the reader sho s use the following variable PSE state diagrams use th 3 and 33-14: <i>Response Status</i> W	e name but differe ould be warned. s:	Type 2 state diagrams ent definition may be	The Ty diagrad defined Suggested Add at The Ty relevan PROP OBE b CI 33 Beia, Chris Comment	m in figure 33-13 d for other state <i>Remedy</i> t the beginning o ype 1 and Type 3 nt to figure 33-13 <i>Response</i> OSED ACCEPT by 102 SC 33.2.5.6 stian <i>Type</i> E	3. Timers with the diagrams, so the r of 33.2.5.6 the follo 2 PSE state diagra 3: <i>Response State</i> IN PRINCIPLE.	same name eader shou wing sente ms use the us W	e and different o uld be warned. ence: e following funct	tions, which are only # 263 # Editor
The Ty in figur defined Suggested change The PS with: The Ty releval Proposed I PROP	rpe1 and Type 2 es 33-13 and 33- d for other state d <i>Remedy</i> a: SE state diagram rpe 1 and Type 2 ht to figures 33-13 <i>Response</i> OSED ACCEPT 1	variables are only relevant 14. Variables with the sam liagrams, so the reader sho s use the following variable PSE state diagrams use th 3 and 33-14: <i>Response Status</i> W	e name but differe ould be warned. s:	Type 2 state diagrams ent definition may be	The Ty diagra defined Suggested Add at The Ty releval Proposed I PROP OBE b CI 33 Beia, Chris Comment set_pa Suggested	m in figure 33-13 d for other state <i>Remedy</i> t the beginning of ype 1 and Type 2 of to figure 33-13 <i>Response</i> OSED ACCEPT by 102 <i>SC</i> 33.2.5.6 stian <i>Type</i> E arameter_type ful <i>IRemedy</i> the same indent	3. Timers with the diagrams, so the r of 33.2.5.6 the follo 2 PSE state diagra 3: <i>Response State</i> ⁻ IN PRINCIPLE. - IN PRINCIPLE. - ST <i>Comment Stat</i> unction definition ha	wing sente ms use the us W P 60 Microelect us D as no inder	e and different o uld be warned. e following funct <i>L</i> 43 cronics	tions, which are only # 263 # Editor

C/ 33 SC 33.2.5.		L 41	# 264	CI 33	SC 33.	2.5.11	P 75	L 5	# 266
Beia, Christian	STMicroelec	tronics		Beia, Chri	stian		STMicroelectro	onics	
Comment Type T	Comment Status D		Editorial	Comment	Туре Т		Comment Status D		Editoria
in figures 33-15 thro	e4 variables are only relevant ugh 33-23 Variables with the s state diagrams, so the reader	ame name but dif	ferent definition may	in figu	ires 33-15 t	nrough	functions are only relevant to 33-20. Timers with the same agrams, so the reader should	name and diff	d Type 4 state diagram erent definition may be
SuggestedRemedy				Suggeste	dRemedy				
	g of 33.2.5.9 the following sent e 4 PSE state diagrams use th 3-15 to 33-23:		les, which are only	The T		ype 4	5.11 add the following sente PSE state diagrams use the to 33-20:		ons, which are only
Proposed Response	Response Status W			Proposed	Response		Response Status W		
PROPOSED ACCER	PT IN PRINCIPLE.			PROF	POSED AC	CEPT I	N PRINCIPLE.		
OBE by 102				OBE	by 102				
C/ 33 SC 33.2.5.	10 P 73	L 2	# 265	CI 33	SC 33.	2.6	P 90	L 18	# 267
Beia, Christian	STMicroelec	tronics		Beia, Chri	stian		STMicroelectro	onics	
Comment Type T	Comment Status D		Editorial	Comment	Type T		Comment Status D		PSE Detection
in figures 33-15 thro	e 4 timers are only relevant to ugh 33-23. Timers with the sal or other state diagrams, so the	me name and diffe	erent definition may be	text never	ot very clea detecting tl	r. It see ne seco	has an exception described in ems to leave the possibility to and pairset. This is misleadin before first power on.	transition from	2-pair to 4-pair power
	ragraph the following sentence	.		Suggeste	dRemedy				
	e 4 PSE state diagrams use th		, which are only		-	wing se	ntence in 33.2.6:		
Proposed Response PROPOSED ACCER	Response Status W PT IN PRINCIPLE.			has s	uccessfully	detecte	the PSE shall not apply ope a valid signature over that tions between 2-pair and 4-p	pairset, except	
OBE by 102				with:					
				has si releva	uccessfully	detecte tions b	the PSE shall not apply ope d a valid signature over that etween 2-pairs and 4-pair po 3.2.8.1	pairset. This re	quirement is not
				Proposed	Response		Response Status W		
				PROF	POSED AC	CEPT I	N PRINCIPLE.		
					ver, your su le else have		d text does not make it any r text?	nore clear (in n	ny opinion). Does
				TFTD					

C/ 33 SC 33.3.3.2 P 121 L 23 # 268 Beia, Christian STMicroelectronics # 268	C/ 33 SC 33.3.3.4 P 123 L 10 # 270 Beia, Christian STMicroelectronics
Comment Type T Comment Status D PD SD	
The Type 1 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 only relevant to the Type 1 and Type 2 state diagrams in figure 33-31.
SuggestedRemedy	SuggestedRemedy
replace: The PD state diagram uses the following constants:	Add after the first paragraph the following sentence: The Type 1 and Type 2 PD state diagram uses the following timers, which are only relevant to figure 33-31:
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 Status W PROPOSED ACCEPT IN PRINCIPLE.
Proposed Response Response Status W	OBE by 102
PROPOSED ACCEPT IN PRINCIPLE.	C/ 33 SC 33.3.6 P125 L 3 # 271
OBE by 102	Beia, Christian STMicroelectronics
C/ 33 SC 33.3.3.3 P 121 L 34 # 269	Comment Type T Comment Status D PD SL
Beia, Christian STMicroelectronics	The Type 3 and Type4 single-signature constants are only relevant to the Type 3 and Type
Comment 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.	SuggestedRemedy replace: The PD state diagram uses the following constants:
SuggestedRemedy	with:
replace: The PD state diagram uses the following variables:	The Type 3 and Type 4 single-signature PD state diagram uses the following constants, which are only relevant to figure 33-32:
with:	Proposed Response Response Status W
The Type 1 and Type 2 PD state diagram uses the following variables, which are only relevant to figure 33-31:	PROPOSED ACCEPT IN PRINCIPLE.
Proposed Response Response Status W	OBE by 102
PROPOSED ACCEPT IN PRINCIPLE.	
OBE by 102	

The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. SuggestedRemedy replace: The PD state diagram uses the following variables: with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables, which are only relevant to figures 33-32: Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 102 The Type 3 and Type 4 single-signature PD state diagram uses the following variables, Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. The Type 3 and Type 4 single-signature PD state diagram uses the following variables, Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. The Type 3 and Type 4 single-signature PD state diagram uses the following variables, Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. The Type 3 and Type 4 single-signature PD state diagram uses the following variables, Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Suggested Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Suggested Response Respon								
Comment Type T Comment Status D PD SD The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 single-signature functions are only relevant to the Type 3 and Type 4 single-signature functions are only relevant to the Type 3 and Type 4 single-signature functions are only relevant to the Type 3 and Type 4 single-signature PD state diagram uses the following variables. The Type 3 and Type 4 single-signature PD state diagram uses the following variables. With: The Type 3 and Type 4 single-signature PD state diagram uses the following variables. With: The Type 3 and Type 4 single-signature PD state diagram uses the following variables. With: With: The Type 3 and Type 4 single-signature PD state diagram uses the following variables. With: The Type 3 and Type 4 single-signature PD state diagram uses the following variables. With: The Type 3 and Type 4 single-signature PD state diagram uses the following variables. With PROPOSED ACCEPT IN PRINCIPLE. OBE by 102 C/3 3 S 3.3.3.8 P127 L 29 # 273 Edia, Christian STMicroelectronics Comment Type T Comment Status D PD SD Comment Type T Comment Status D PD SD The Type 3 and Type 4 single-signature PD state diagrams uses the following constants, which are only relevant to the type 3 and Type 4 single-signature PD state diagrams uses the following constants, which are only relevant to figures 33-32.<				C 33.3.3.9				# 274
The Type 3 and Type 4 single-signature variables are only relevant to the Type 3 and Type 4 single-signature variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. SuggestedRemedy replace: with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables; with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables; with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables; With are only relevant to fugures 33-32: Proposed Response Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 102 Cf 33 SC 33.3.8 P 127 L 29 # 273 Beia, Christian STMicroelectronics Comment Type T Comment Status D PL State diagrams is of Type 4 single-signature constants are only relevant to the state diagrams is figures 33-32. SuggestedRemedy Add at the birst paragraph the following sentence: The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to fueres 3-32. Comment Type T Comment Status D PL State diagrams is figures 33-34. SuggestedRemedy Add at the first paragraph the following sentence: The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to fueres 3-32. Proposed Response Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. DEL State diagrams, so the reader should be warned. SuggestedRemedy Add at the first paragraph the following sentence: The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to the Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figures 33-32. Del to the state diagram set the following timers, which are only relevant to figure 3-32. Del to the time first paragraph the following sentence: The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 3-32. Del to the time of				_			ionics	
SuggestedRemedy replace: The PD state diagram uses the following variables: with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables, which are only relevant to figures 33-32: Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 102 Cl 33 SC 33.3.3.8 P 127 L 29 # 273 Beia, Christian STMicroelectronics Comment Type T Comment Status D PL Comment Type 3 and Type 4 single-signature timers are only relevant to the state diagram uses the following constants, which are only relevant to the state diagrams uses the following sentence: The Type 3 and Type 4 uigle-signature constants are only relevant to the state diagrams. so the reader should be warned. SuggestedRemedy Add after the first paragraph the following sentence: PL The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32: PL SuggestedRemedy Add after the first paragraph the following sentence: Proposed Response Add after the first paragraph the following sentence: Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. W PROPOSED ACCEPT IN PRINCIPLE.	The Type 3 and Type4 single-signature variables are only relevant to the Type 3 ar 4 state diagram in figure 33-32. Variables with the same name but different definition	nd Type on may	The Type 3 4 state diag	and Type4 grams in figu	single-signatu		e only relevant t	PD SI to the Type 3 and Type
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 ACCEPT IN PRINCIPLE. PROPOSED ACCEPT IN PRINCIPLE. OBE by 102 C/ 33 SC 33.3.8 P127 L 29 # 273 Beia, Christian STMicroelectronics Comment Type T Comment Status D Comment Type 3 and Type 4 single-signature timers are only relevant to the Type 3 and Type 4 state diagram, in figure 33-32: Source and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32: PD state diagram uses the following timers, which are only relevant to figure 33-32: Proposed Response Response Status W Proposed Response Response Status W Proposed Response Response Status W	replace:	00	Add at the The Type 3	beginning o and Type 4	4 single-signat	ure PD state di		following functions,
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. C/ 33 SC 33.3.1 P 129 L 51 # [275] OBE by 102 C/ 33 SC 33.3.8 P 127 L 29 # [273] Beia, Christian STMicroelectronics Comment Type T Comment Status D PL Comment Type T Comment Status D PL The Type 3 and Type4 single-signature timers are only relevant to the Type 3 and Type 4 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 figure 33-32: Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 102	The Type 3 and Type 4 single-signature PD state diagram uses the following variat		PROPOSE	D ACCEPT	,			
OBE by 102 CI 33 SC 33.3.3.8 P 127 L 29 # 273 Beia, Christian STMicroelectronics D PL Comment Type T Comment Status D PLSD The Type 3 and Type4 single-signature timers are only relevant to the Type 3 and Type 4 dual-signature constants are only relevant to the 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 SuggestedRemedy Add after the first paragraph the following sentence: The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32. W Proposed Response Response Status W Proposed Response Response Status W	Proposed Response Response Status W		OBE by 102	2				
OBE by 102 Cl 33 SC 33.3.3.8 P 127 L 29 # 273 Beia, Christian STMicroelectronics The Type 3 and Type 4 dual-signature constants are only relevant to the state diagrams 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. PD SD The Type 3 and Type 4 dual-signature PD state diagrams uses the following timers, which are only relevant to figure 33-32. 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 figure 33-32. Proposed Response Response Status W Proposed Response Response Status W	PROPOSED ACCEPT IN PRINCIPLE.	Cl	33 S	C 33.3.3.11		P 129	L 51	# 275
Cl 33 SC 33.3.3.8 P 127 L 29 # 273 Beia, Christian STMicroelectronics The Type T Comment Status D PD SD Comment Type T Comment Status D PD SD PD SD The Type 3 and Type 4 single-signature timers are only relevant to the Type 3 and Type 4 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 figure 33-32. SuggestedRemedy Add after the first paragraph the following sentence: Proposed Response Response Status W Proposed Response Response Status W M		Be	a, Christian			STMicroelect	ronics	
Beia, Christian STMicroelectronics figures 33-33 and 33-34. Comment Type T Comment Status D PD SD The Type 3 and Type4 single-signature timers are only relevant to the Type 3 and Type 4 state diagrams, so the reader should be warned. PD SD 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: SuggestedRemedy Add after the first paragraph the following sentence: The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32: Response Status W Proposed Response Response Status W	OBE by 102	Co	nment Type	т	Comment	Status D		PD SI
The Type 3 and Type4 single-signature timers are only relevant to the Type 3 and Type 4 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 Add after the first paragraph the following sentence: The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32: Proposed Response Response Status W Proposed Response Response Status W					•	e constants are	only relevant to	the state diagrams in
The Type 3 and Type 4 single-signature timers are only relevant to the Type 3 and Type 4 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 Add after the first paragraph the following sentence: The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32: Proposed Response Response Status W	Comment Type T Comment Status D	PD SD Su	gestedRem	ledy				
SuggestedRemedy Proposed Response Response Status W Add after the first paragraph the following sentence: PROPOSED ACCEPT IN PRINCIPLE. The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32: OBE by 102 Proposed Response Response Status W	The Type 3 and Type4 single-signature timers are only relevant to the Type 3 and ⁻ state diagram in figure 33-32. Timers with the same name but different definition m		The Type 3	and Type 4	4 dual-signatu	re PD state diag	0	following constants,
Add after the first paragraph the following sentence: PROPOSED ACCEPT IN PRINCIPLE. The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32: OBE by 102 Proposed Response Response Status W	-	Pro	posed Resp	onse	Response	Status W		
The Type 3 and Type 4 single-signature PD state diagram uses the following timers, which are only relevant to figure 33-32: Proposed Response Response Status W			PROPOSE	D ACCEPT	,			
	The Type 3 and Type 4 single-signature PD state diagram uses the following timers	s, which						
PROPOSED ACCEPT IN PRINCIPLE.	Proposed Response Response Status W							
	PROPOSED ACCEPT IN PRINCIPLE.							

OBE by 102

VPD_ModeA m uggestedRemedy Replace: Voltage at the F with Voltage at the F roposed Response PROPOSED At Replace: Voltage at the F with Voltage at the F	PD PI as c PD PI as c se CCEPT IN PD PI as c	defined in 1.4.42 defined in 1.4.42 <i>Response State</i> N PRINCIPLE.	25 over Moc 25 where the us W	e powered pair	<i>Editori</i>
uggestedRemedy Replace: Voltage at the F with Voltage at the F roposed Response PROPOSED At Replace: Voltage at the F with Voltage at the F	PD PI as c PD PI as c se CCEPT IN PD PI as c	defined in 1.4.42 defined in 1.4.42 <i>Response State</i> N PRINCIPLE.	25 where the	e powered pair	belongs to Mode A
Replace: Voltage at the F with Voltage at the F roposed Response PROPOSED A Replace: Voltage at the F with Voltage at the F	PD PI as c PD PI as c cCEPT IN PD PI as c	defined in 1.4.42 <i>Response Stat</i> i N PRINCIPLE.	25 where the	e powered pair	belongs to Mode A
Voltage at the F with Voltage at the F roposed Response PROPOSED At Replace: Voltage at the F with Voltage at the F	PD PI as c se CCEPT IN PD PI as c	defined in 1.4.42 <i>Response Stat</i> i N PRINCIPLE.	25 where the	e powered pair	belongs to Mode A
Voltage at the F roposed Response PROPOSED A Replace: Voltage at the F with Voltage at the F	se CCEPT IN PD PI as c	Response State	us W		belongs to Mode A
roposed Response PROPOSED A Replace: Voltage at the F with Voltage at the F	se CCEPT IN PD PI as c	Response State	us W		belongs to Mode A
PROPOSED A Replace: Voltage at the F with Voltage at the F	CCEPT IN	N PRINCIPLE.		de A	
Replace: Voltage at the F with Voltage at the F	PD PI as c	-	25 over Moc	de A	
Voltage at the F with Voltage at the F		defined in 1.4.42	25 over Moc	de A	
Voltage at the F	PD PI as c				
0	PD PI as c				
		defined in 1.4.42	25 where the	e powered pairs	s belong to Mode A
/ 33 SC 33	3.3.3.12		P 133	L 46	# 279
eia, Christian		ST	Microelectr	ronics	
omment Type	Е	Comment Stat	tus D		Editori
VPD_ModeB m	nay be def	ined better			
uggestedRemedy	/				
Replace: Voltage at the F	PD PI as c	defined in 1.4.42	25 over Moc	de B	
with					
Voltage at the F	PD PI as c	defined in 1.4.42	25 where the	e powered pair	belongs to Mode B
roposed Response	se	Response Stat	us W		
PROPOSED A	CCEPT IN	N PRINCIPLE.			
Replace: Voltage at the F	PD PI as c	defined in 1.4.42	25 over Moc	de B	
with					
	PD PI as c	defined in 1.4.42	25 where the	e powered pairs	s belong to Mode B
7	Voltage at the with Voltage at the roposed Respons PROPOSED A Replace: Voltage at the with	Voltage at the PD PI as o with Voltage at the PD PI as o roposed Response PROPOSED ACCEPT IN Replace: Voltage at the PD PI as o with	Voltage at the PD PI as defined in 1.4.42 with Voltage at the PD PI as defined in 1.4.42 roposed Response Response State PROPOSED ACCEPT IN PRINCIPLE. Replace: Voltage at the PD PI as defined in 1.4.42 with	Voltage at the PD PI as defined in 1.4.425 over Mod with Voltage at the PD PI as defined in 1.4.425 where th roposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Replace: Voltage at the PD PI as defined in 1.4.425 over Mod with	Voltage at the PD PI as defined in 1.4.425 over Mode B with Voltage at the PD PI as defined in 1.4.425 where the powered pair roposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Replace: Voltage at the PD PI as defined in 1.4.425 over Mode B

Comment ID 279

Page 63 of 122 8/31/2016 3:48:50 PM

Cl 33 SC 33.3.3. Beia, Christian	14 P 134 STMicroele	L 10 ctronics	# 280	C/ 33 Beia, Christia	SC 33.3.3.1 an	5 P 136 STMicroelect	L 25 ronics	# 282
Comment Type T	Comment Status D		PD SD	Comment Ty	vpe ER	Comment Status X		PD SD
The Type 3 and Type state diagrams in fig	e4 dual-signature functions a ure 33-32.	re only relevant to	the Type 3 and Type 4	Figure 3 pd_dll_e		defined for dual signature PD		
SuggestedRemedy				SuggestedR	emedy			
The Type 3 and Type	of 33.3.3.9 the following sen e 4 dual-signature PD state d ant to figures 33-33 and 33-34	iagrams use the fo	bllowing functions,	and	_enabled"			
Proposed Response PROPOSED ACCER	Response Status W PT IN PRINCIPLE.			and	vely to: _enabled_moo			
OBE by 102				· = =	enabled_mod			
<i>Cl</i> 33 <i>SC</i> 33.3.3. Beia, Christian	15 P 135 STMicroele	L 13 ctronics	# 281	Proposed Re TFTD	esponse	Response Status W		
Comment Type ER	Comment Status D		PD SD	See PD_	_DS_DLL			
Figure 33-33 VPD is not defined for	or dual signature PD			CI 33	SC 33.3.3.1	5 <i>P</i> 137	L 11	# 283
SuggestedRemedy				Beia, Christia	an	STMicroelect	ronics	
Change:				Comment Ty	vpe ER	Comment Status D		PD SD
"VPD" to: "VPD modeA"				Figure 3 VPD not		ual signature PD		
Proposed Response	Response Status W			SuggestedR	emedy			
PROPOSED ACCER	•			Change: "VPD"				
OBE by 29				to: "VPD_m	odeB"			
				Proposed Re	esponse	Response Status W		
				PROPO	SED ACCEP	T IN PRINCIPLE.		
				OBE by	30			

C/ 33 SC 33.3.3.15 Beia, Christian	P 138 STMicroelectr	L 25	# 284	C/ 30 SC 30 P 24 L 1 # 286 Schindler, Fred Seen Simply, Broadco
Comment Type ER Figure 33-34	Comment Status X		PD SD	Comment Type TR Comment Status D Managemen All new TLVs need to be added to this section. This include Autoclass and Measurements. This comment is related to other comments marked COMMENT-2. Managemen
SuggestedRemedy Change: "!pd_dll_enabled" and "pd_dll_enabled" respectively to: "!pd_dll_enabled_mode and "pd_dll_enabled_mode Proposed Response TFTD	98″			SuggestedRemedy Add on line 4, "Editor's Note: readers are encouraged to improve the management section to encorporate new TLVs. Table 79-8 should match theses updates." This comment should not be considered satisfied until an acceptable solution is provided to addess the comment made. Proposed Response Response Status W PROPOSED ACCEPT. TFTD (to make people aware). Image: Cl 33 SC 33.2.5.9 P 69 L 48 # 287 Schindler, Fred Seen Simply, Broadco
classification signature	P 141 STMicroelectr Comment Status D tection signature, PDs shall as specified in Table 33-23	provide the cha		Comment Type TR Comment Status D PSE Status Variable pd_dll_power_type is not used in PSE state diagrams. This definition is required in the DLL section and exist on page 181. SuggestedRemedy Delete the definition of variable pd_dll_power_type on page 69. Proposed Response Response Status W PROPOSED ACCEPT. W PROPOSED ACCEPT. PSE Status PSE Status
SuggestedRemedy Move the following ser In addition to a valid de	ications, not only to single-E ntence to the end of paragrap tection signature, PDs shall as specified in Table 33-23. <i>Response Status</i> W	h 33.3.6:		Cl 33 SC 33.2.5.9 P 69 L 30 # 288 Schindler, Fred Seen Simply, Broadco Comment Type TR Comment Status D PSE SL The variable pd_4pair_cand is described in section 33.2.6.7. References made in the text are incorrect. SuggestedRemedy Replace " and 4PID." with "PD 4PID, see 33.2.6.7.". Related to other comments marked COMMENT-3. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Replace " and 4PID." with " and PD 4PID, see 33.2.6.7.".

CI 33	SC 33.2.	ŝ.7	P 94	L 33	# 289	CI 33	SC	33.2.6.7	P 94	L 28	# 291
Schindle	, Fred		Seen Simply,	Broadco		Schindler,	Fred		Seen Simply,	Broadco	
Commen	t Type ER	Comi	ment Status D		Editorial	Comment	Туре	TR	Comment Status D		4PI
Suggeste Link	edRemedy	reference 79	rking and some ident 0.3.2.6b.2 for PD 4PII onse Status W		proved. hat they are functional.	used i not ap signat	in dual- oply. Th ture PD	signature ne text is a s. It is not	cand is not used in the Type PSE diagrams in Figures 33- ulso incomplete for cases c) a clear whether this section is an pd_4pair_cand is TRUE.	16 and 33-17. 1 ind d), which als	Therefore, item a) does to only apply to single-
•	POSED ACCE					Suggestee			a Noto: roodoro oro opocuro	rad to improve t	his agation and battor
Cl 33 Schindlei	SC 33.2. 0 r, Fred	ŝ.7	P 94 Seen Simply,	L 28 Broadco	# 290	tie this to oth	s inform er com	nation to si ments mai	s Note: readers are encourag tate diagrams in Figures 33-1 rked COMMENT-3. This com table solution is provided to a	6, and 33-17." T ment should not	This comment is related t be considered
Commen	t Type TR	Comi	ment Status X		4PID	Proposed	Respo	nse	Response Status W		
and 3 and 2 PD_4 Suggeste See	33-17 may do xxx_pri and xx: 4pair_cand. N ed <i>Remedy</i> related comme	this as well, I x_sec. The s lothing in the ent marked C	but they do not matc ingle-signature state state diagrams esta COMMENT-3 for a sc	h. These diagra diagram Figure blishes pd_4pair		I don't signat This s	t unders ture PD section	s.	you say that cases c and d a es when pd_4pair_cand can	·	nd only apply to single-
•	d Response	Respo	onse Status W			TFTD					
TFT)					CI 33	SC	33.2.7	P 97	L 20	# 292
Need	I to align pd_4	pair_cand w	ith pd_4pair_cand_p	ri and _sec.		Schindler,	Fred		Seen Simply,	Broadco	
						Comment	Туре	TR	Comment Status X		PSE Clas
						power two le invalio There	r two 10 gacy Ty d class	0-BASE-1 ype-2 PSE signature hen two le	shed that legacy Types are u "X connections. The Type 3 a is on its PI is ambiguous. A (4-4-4). A Type 3 or 4 PSE c gacy Type-2 PDs are discove	and 4 PSE beha dual-signature P only has one dat	vior when it encounters D will be seen with an a connection.
						Suggestee	dReme	dy			
						discov	ver a du	ual-signatu	"Note 3It is recommended ire PD that provides the same	e class for three	
						power 33-12		on the P	SE Primary Alternative while	supporting the F	class covered in Table
							."		Response Status W	supporting the F	

PSF SD

CI 33	SC 33.2.8.1	P 105	L 32	# 293
Schindler	, Fred	Seen Simply,	Broadco	

Comment Type **TR** Comment Status X

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

SuagestedRemedv

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

Proposed Response Response Status W

TFTD

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

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

CI 33	SC	33.2.8.5.1	P 110	L 20	#	294
Schindler	, Fred		Seen Simply	Broadco		
Comment	t Tvpe	TR	Comment Status D			PSF SD

Comment Type **TR** Comment Status D

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

SuggestedRemedv

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

Proposed Response Response Status W

PROPOSED REJECT.

Inrush electrical limits are not in the PSE SD and a PSE implementing this option would still follow the existing PSE SD without any changes.

TFTD

	C 33.2.10.1.		L 37	# 295	CI 33	SC	33.3.3.15		P 136	L 5	# 297
Schindler, Fred	I	Seen Simply,	Broadco		Schindler,	Fred			Seen Simply,	Broadco	
Comment Type	e TR	Comment Status D		PSE MPS	Comment	Туре	TR	Comment	Status X		PD S
same and a has been a the PI when indicates "T equal to IH says, "Pow greater tha says "DC N MPS is TM SuggestedRem Replace the MPS has b Proposed Resp PROPOSE The definiti minimum o The "minim	appear to con absent for a d n DC MPS ha The PSE sha old max cont ver shall be re n TMPDO.". MPS has bee IPS, but leave nedy e called-out to been present conse ED REJECT. ion of presen of TMPS.	on lines 37 to 39, and 52 to 4 tradict eachother. "shall rer uration greater than TMPDC is been present within the Ti Il not remove power from the inuously for at least TMPS e moved from the PI when DC The key legacy text uses " n present", which requires as out the at least. This is co ext, "DC MPS has been pres for at least TMPS". <i>Response Status</i> W is is "Iport is greater than or e are of your concern.	move power from 0." and "shall not MPS + TMPDO a port when IPor very TMPS + TM C MPS has been .at least TMPS . s the reader to un comparable to = t sent" in all reference	the PI when DC MPS remove power from window." Legacy text is greater than or MPDO". But it also absent for a duration " while the new text inderstand that DC 0 >=.	signa versic shoul "pse_ for the affect <i>Suggeste</i> Make Figure this so the Ed comm addes <i>Proposed</i> TFTD (need	ture SD ons. Fo d be "ps power_ e PD Pl this rer dRemed the pro e 33-33 s, and c ection a ditor's n hent sho ss the co Respon	, which will r example, se_dll_power type > 1". I total power nedy. dy vided chan and for Fig on line 1 of nd better ti ote. This co build not be comment man nse	make it more state MDI_P er_type > 1", No differentia r. Many DS ges made in iure 33-34 wh each figure a e this informa omment is re considered s	e likely that one OWER1_mode and state DLL ation for A and SD need to be the comment a here X = A or B add, "Editor's N ation to section lated to other o satisfied until an	e DLL SD can be eA, "pse_dll_pow _ENABLE_mode B is required if th fixed, which may and replacing "ps ; remove all " lote: readers are a 33.6 DLL." Alte comments market	nould match the single- e used for both PSE ver_level_modeA > 1" eA, should be he power negotiated is y change things that se_power_modeX" for modeX" in these encouraged to improve rnatively, only provide ed COMMENT-4. This ution is provided to
TFTD					CI 33	SC	33.3.6.2		P 143	L 29	# 298
	C 33.3.3.7	P 127	L 11	# 296	Schindler,	Fred			Seen Simply,	Broadco	
Schindler, Fred	l	Seen Simply,	Broadco		Comment	Туре	ER	Comment	Status D		Editori
		Comment Status D	7	PD SD				es to implem		wad This shap	
indicate the		_level is defined on page 12 state diagram provides the v			of thir	nking re	quired to de		" may be impro t" is the PSE or		ge reduces the amount
Variable ps indicate the and should SuggestedRem	e PD control : I be removed nedy	state diagram provides the v	alue. This varia		of thir S <i>uggeste</i> Repla	nking re d <i>Reme</i> o	quired to de dy called-out te	etermine if "it	t" is the PSE or	the PD.	ge reduces the amount rt MPS, it may set

C/ 33 SC 33.3.6.2 Schindler, Fred	P 143 Seen Simply,	L 4 Broadco	# 299	C/ 33 Schindler, Fr	SC 33.3.7 ed	P 145 Seen Simply,	L 1 Broadco	# 301
Mode. The definitions Pclass_PD-2P rather th SuggestedRemedy	Comment Status D signature PDs that may have provide on page 148 line 20 a lan Pclass_PD. Table 33-25 with Pclass_PD Response Status W	also require tha		default v classifica successf classifica The PD r state.". sentence signature	ription for pse alue of pse_po tion has comp ul Data Link L tion has comp esets the pse This text only a DLL does no e state diagran	Veted, the pse_power_level is _power_level to '1' when the F applies to Type 3 and 4 PDs. It affect the variable and Phys as may remove the appending	ssful Multiple-Ex set to either 3, D enters the D The first senter fical layer alway of _modeA or	vent Physical Layer 4, 6, or 8. After a 4, 6 or 8. O_DETECTION nee contradicts the last rs sets it. Dual- _modeB to
C/ 33 SC 33.3.6.2 Schindler, Fred	P 143 Seen Simply,	L 18 Broadco	# 300		comments m	is better to address DS using arked COMMENT-4 and COM		e. This comment is
Type 3 and Type 4 PDs 33–28 for	Comment Status D vel is not defined for Type-2 s shall conform to the electric pse_power_level state variat MMENT_5.	al requirement	s as defined by Table	default va sentence pse_pow provides	alue of 3 for ps , "After a succ er_level is set a related Edito	alue of pse_power_level is 3. se_power_level in the DO_DE ressful Data Link Layer classi to either 3, 4, 6 or 8. " A com or's Note. Strike the sentence ers the DO_DETECTION state	TECTION state fication has con ment marked C "The PD resets	e." Delete the npleted, the COMMENT-4 already
SuggestedRemedy Delete "Type 2, ".	_			Proposed Re TFTD	sponse	Response Status W		
Proposed Response PROPOSED ACCEPT.	Response Status W			WFP				

Cl 33 SC 33.3.9 P 157 L 29 # 302	Cl 33 SC 33.6 P 177 L 40 # 304	
Schindler, Fred Seen Simply, Broadco	Schindler, Fred Seen Simply, Broadco	
Comment Type TR Comment Status D PD MPS	Comment Type TR Comment Status X	DL
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	A DLL subject matter expert should add text covering dual-signature PDs. A state d may be required and a LLDP attribute map would also then be required.	iagram
noise value is only around 0.7% of the PI voltage so the noise allowance is not likely to be	SuggestedRemedy Add on line 40, "Editor's Note: readers are encouraged to improve the DLL to encorp	norate
lowered. SuggestedRemedy	dual-signature PDs." This comment should not be considered satisfied until an accession solution is provided to addess the comment made.	
Replace the legacy note text "resistance RCh)" with "resistance RCh) or the PSE power feeding ripple and noise covered in Table 33-17".	Proposed Response Response Status W	
Proposed Response Response Status W	TFTD	
PROPOSED REJECT.	I don't think adding editor's notes pointing out technical incompleteness are a good i this point. We need actual soluitions.	dea at
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.	CI 33 SC 33.6.3.2 P 179 L 18 # 305 Schindler, Fred Seen Simply, Broadco	
TFTD		Schindle
C/33 SC 33.6.1 P 177 L 53 # 303 Schindler, Fred Seen Simply, Broadco Seen Simply, Broadco Seen Simply, Broadco	Variable parameter_type is determined only by Type 1 and 2 function set_parameter therefore it will only have values 1 and 2. Variable pd_allocated_power is not assign anywhere and is required to determine PSE_INITIAL_VALUE.	
Comment Type TR Comment Status D DLL	SuggestedRemedy	
The LLDP "Power via MDI Measurements" TLVs are suppose to be optional. The modified	The solution is provided in schindler_3bt_01_0916.	
text could be intepreted to indicate that this TLV is not optional if DLL is supported.	Proposed Response Response Status W	
SuggestedRemedy On line 52 change existing text "and the Power via MDI Measurements TLV" to	TFTD	
"and may support the Power via MDI Measurements TLV"	WFP	
Proposed Response Response Status W PROPOSED ACCEPT.	CI 33 SC 33.6.3.2 P 179 L 6 # 306 Schindler, Fred Seen Simply, Broadco	
	Comment Type TR Comment Status D	DL
	The variable pd_max_power exists in Type 1,2 and Type 3,4 state diagrams. Both a this description.	apply to
	SuggestedRemedy	
	Replace existing text, " diagram (Figure 33-32:" with " diagrams (Figures 33-31	and 33-
	32:"	

C/ 33 SC 33.6.3.2 Schindler, Fred	P 179 Seen Simply,	L 35 Broadco	# 307	CI 33 Schindler, Fi	SC 33.6.3.3 red	P 1 Seen	80 <i>L</i> 43 Simply, Broadco	# 309
SuggestedRemedy Use the cross referenc Proposed Response	Comment Status D sed, " found in 33.3.8.2." is e, " found in 33.3.8.2.1." Response Status W	not correct.	Editorial	therefore 3 and 4 <i>SuggestedR</i> Delete te	, parameter_ty e it will only ha PSE state diag <i>emedy</i> ext for values 3	ve values 1 and 2. Ťl gram (it is a don't care 3 and 4.	by Type 1 and 2 funct be value of this variable	DLi ion set_parameter_type, e is not used by the Type
request because this te before Draft 1.0. The o SuggestedRemedy At the end of this defin	P 179 Seen Simply, Comment Status D equestedPowerValueEcho wa ext is missing from the 802.3a correction is missing values.	s likely added d t-2009 specifica 999" Note this a	ation but appears assumes a comment	"A contr 3, or Typ PI electr to read "A contr Type 2 F requiren <i>Proposed R</i>	be 4 PSE to ch ical requireme ol variable out PSE to choose nent paramete	but by the PSE state of noose operation with T nt parameter values of out by the Type 1 and operation with Type r values defined in Ta <i>Response Status</i>	ype 1, Type 2, Type 3 defined in Table 33–17 2 PSE state diagram 1 or Type 2 PSE outpu ble 33–17."	(Figure 33–13) used by a
Proposed Response PROPOSED ACCEPT	Response Status W			electrica fixed and discover (it is a de SuggestedR Delete to "A contr advertise to read "A Type connect	ype TR state diagram il parameters. d do not require con't care). termedy ext for values (egacy sentence ol variable that ed through Da 1 and 2 PSE se ed to the PSE te diagrams do	Comment Status n only requires pd_dll_ New types are requir e a transition from ph of this variable is not 3 and 4. e : indicates the Type of ta Link Layer classific state diagram control	Simply, Broadco D _power_type values of ed to support DLL so e sical layer to DLL when used by the Type 3 and f PD that is connected ation." variable that indicates n Data Link Layer class .".	dectrical parameters are tha Type-2 PD is d 4 PSE state diagram to the PSE as

Comment ID 310

Page 71 of 122 8/31/2016 3:48:51 PM

CI 33 SC 33.									
Schindler, Fred	.6.3.3 P 181 Seen Simp	L 41 ly, Broadco	# 311	Cl 33 SC 33.6		P 184 Seen Simply, I	L 10 Broadco	# 314	
	R Comment Status D			Comment Type ER		atus D		Editoria	
SuggestedRemedy Add " Values: 3: The PSE has allocated Class 3 power (default). 4: The PSE has allocated Class 4 power. 5: The PSE has allocated Class 5 power.				SuggestedRemedy Use () in the state Proposed Response PROPOSED ACC	e diagram. <i>Response Sta</i> EPT IN PRINCIPLE.	ntus W			
6: The PSE has 7: The PSE has	allocated Class 6 power. allocated Class 7 power.	Also replace the "[]" with "()" in the Type 1/2 PSE State Diagram (page 62, line 41).							
Note that the phi	allocated Class 8 power." rase "or less is not used for class	Schindler, Fred		P 185 Seen Simply, I	L 27 Broadco	# 315			
at least class 3 p Proposed Response	power before DLL is operational. Response Status W			Comment Type TR				DL	
C/ 33 SC 33. Schindler, Fred	Seen Simp	L 38 ly, Broadco	# 312	PSE_NEW_VALUE is different than PSEAllocatedPowerValue, it enters the MIRROR UPDATE state where PSE_NEW_VALUE is assigned to PSEAllocatedPowerValue." Does not agree with the PSE DLL SD Figure 33-49. The change replaced " PSE_NEW_VALUE is smaller than" with "PSE_NEW_VALUE is different than". Two changes were made due to this presentation. The first one was correct the second					
Comment Type TR Comment Status D DLL Variable pse_power_level is defined but not used in the DLL section. This is related to D D D				one highlighted in this comment is not.					
	other comments marked COMMENT-5. SuggestedRemedy Delete this definition. Proposed Response Response Status W PROPOSED ACCEPT.				SuggestedRemedy Restore the text to " PSE_NEW_VALUE is smaller than" . This correction still produces the desired result. A PSE that wants to increase the power provided asserts local_system_change, which results in PSE POWER REVIEW, which results in the increased power budget. The power budget is provided in state MIRROR UPDATE when the PSE is in synch. The PD will only increase its demand when the PD is in synch, which normally occurs when the PSE is also in synch. I suspect that the PSE test between state PSE POWER REVIEW and MIRROR UPDATE could be removed because increasing				
other comments SuggestedRemedy Delete this defin Proposed Response	tion. Response Status W			produces the desin local_system_cha increased power b the PSE is in sync normally occurs w	ed result. A PSE than nge, which results in udget. The power bu h. The PD will only in hen the PSE is also i	at wants to inc PSE POWER udget is provic ncrease its de n synch. I su	rease the powe REVIEW, whic ded in state MIR emand when the spect that the P	er provided asserts ch results in the RROR UPDATE when e PD is in synch, which SE test between state	
other comments SuggestedRemedy Delete this defin Proposed Response PROPOSED AC Cl 33 SC 33.	tion. Response Status W CEPT. 6.3.4 P 182	<i>L</i> 9	# 313	produces the desin local_system_cha increased power b the PSE is in sync normally occurs w PSE POWER REN	ed result. A PSE than nge, which results in udget. The power bu h. The PD will only in hen the PSE is also i	at wants to inc PSE POWER udget is provic ncrease its de n synch. I sus JPDATE could	rease the powe REVIEW, whic ded in state MIR emand when the spect that the P	er provided asserts ch results in the RROR UPDATE when e PD is in synch, which SE test between state	
other comments SuggestedRemedy Delete this defini Proposed Response PROPOSED AC C/ 33 SC 33.	tion. Response Status W CEPT. 6.3.4 P 182	L 9 ly, Broadco	# 313 Editorial	produces the desin local_system_cha increased power b the PSE is in sync normally occurs w PSE POWER REN power should neve Proposed Response	red result. A PSE that nge, which results in udget. The power bu h. The PD will only in hen the PSE is also i /IEW and MIRROR U	at wants to inc PSE POWER udget is provid ncrease its de n synch. I sus JPDATE could m.	rease the powe REVIEW, whic ded in state MIR emand when the spect that the P	er provided asserts ch results in the RROR UPDATE when e PD is in synch, which VSE test between state	
other comments SuggestedRemedy Delete this defin Proposed Response PROPOSED AC CI 33 SC 33. Schindler, Fred Comment Type	tion. Response Status W CCEPT. 6.3.4 P 182 Seen Simp ER Comment Status D inks are not correct.	-		produces the desin local_system_cha increased power b the PSE is in sync normally occurs w PSE POWER REN power should neve Proposed Response	red result. A PSE that nge, which results in udget. The power but h. The PD will only in hen the PSE is also i /IEW and MIRROR U er cause a PD problem <i>Response Sta</i>	at wants to inc PSE POWER udget is provid ncrease its de n synch. I sus JPDATE could m.	rease the powe REVIEW, whic ded in state MIR emand when the spect that the P	er provided asserts ch results in the RROR UPDATE when e PD is in synch, which SE test between state	

C/ 33 SC 33.6.5	P 186	L 4	# 316	C/ 79	SC 79.3	.2.6	P 214	L 40	# 318
Schindler, Fred	Seen Simply, I	Broadco		Schindler,	Fred		Seen Simply	Broadco	
Comment Type TR	Comment Status X		Pres: Yseboodt1	Comment	Гуре ТБ	Con	nment Status X		LLD
may be required and a related to other comm	natter expert should add text c LLDP attribute map would als ents marked COMMENT-2.			Previo at 1. T	usly, DLL v he change	alues were p made all val	ed in using the same ermitted to start a 0 v ues start at 1. Reser that have meaning.	vhile LLDP value ved TLV fields a	s were required to start re normally zero but
	Note: readers are encourage liagrams as approporiate." Th			PD to s	, signal to the	PSE that p	ower should be remo	ved. If other beli	
	table solution is provided to a				ted in the		brogress now) then r	9.3.2.0e Reques	t power down could be
Proposed Response	Response Status W			Suggested	Remedy				
TFTD) values with	zero (0).		
WFP					14, line 15, 79, line 47.	and 40.			
	Data	/ 50	" 047	page 1	80 lines 3,	10, 20, 27, 3			
C/ 79 SC 79.3.2.6 Schindler, Fred	P 214 Seen Simply, I	L 52 Broadco	# 317			3.2.6e on pa act the TI V		wn" value and ac	ljust TLV information
Comment Type TR	Comment Status D		Editorial	string I	ength from		is comment is relate		
	jed and a typo resulted in " o	compute Pas .		Proposed I	'		onse Status W		
SuggestedRemedy				TFTD	needs revi	ew)			
Use "Pclass".				CI 79	SC 79.3	.2.6b.5	P 216	L 51	# 319
Proposed Response	Response Status W			Schindler,	Fred		Seen Simply	Broadco	
PROPOSED ACCEPT				Comment	Гуре ТБ	Con	nment Status D		LLD
				The te	t does not	clarify that th	e PD power Mode op	otion only has me	eaning for DS PDs.
				Suggested	Remedy				
				a dual-	signature F	D (see 1.4.1	86a and 33.3.2) is th	e source of the L	e power type is PD and LDPPDU." Replace ype is PSE or the PD

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 79 SC 79.3.2.6b.3 P 216 L Schindler, Fred Seen Simply, Broadc	. 020	C/ 33 SC 33.1.3 Shariff, Masood	P 43 CommScope	L 46	# 322
Comment Type T Comment Status D The System setup value field "PD PI" is no longer required classification mechanism was addedsee PD Mode selectiis should be discussed as recent changes to dual-signature te some minor text modifications. SuggestedRemedy SuggestedRemedy Replace Table 79-6b bit- 2 function and value/meaning field "Transmit as zero. Ignore on receive.", respectively. Deleter Proposed Response Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT.	on. The solution provided ext could require this bit with Is with, "Reserved" and	Refer to ISO documents as w SuggestedRemedy Change: 3For additional information, so To 3For additional information, so	ee TIA TSB-184-A. ee ISO TR 29125 and TI ponse Status W	A TSB-184-A.	Cabling
C/ 33 SC 33.1.3.2 P 44 L Shariff, Masood CommScope	36 # 321	OBE by 534			
Shariff, Masood CommScope Comment Type ER Comment Status D when used as an adjective qualifyiing a noun, the twisted-pa per standard terminology. On its own, it can be used as twis SuggestedRemedy change globally: twisted pair cabling To: twisted-pair cabling Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 146	Editorial air has to be a hypenated word sted pair.	Non standard terminology. My together, which will be a very <i>SuggestedRemedy</i> Change: multi-twisted pair cable. To: twisted-pair cable.	poorly balanced cable.	<i>L</i> 50	# <u>323</u>

C/ 33 SC 33A.3 Shariff, Masood	P 233 CommScope	L 26	# 324	C/ 25 SC 25 Law, David	<i>Р</i> 23 НРЕ	<i>L</i> 1	# 327
Comment Type TR Incorrect definitiono of	Comment Status D resistance unbalance within a	pair.	Annex	Comment Type E Please correct draft	Comment Status D designation in header in th	is Clause, Clause 30	<i>Editoria</i> and Clause 79.
	of the channel conductor with			SuggestedRemedy Suggest the header Proposed Response PROPOSED ACCEF	text 'IEEE Draft P802.3/D2 Response Status W		E Draft P802.3bt/D2.0'.
To: Rmax is the resistance	of the pair conductor with the of the pair conductor with the l	highest resista	nce	Cl 30 SC 30.9.1. Law, David		L 44	# 328
Proposed Response PROPOSED ACCEPT	Response Status W			used can be controll	Comment Status D EFINED AS' text states the ed through the aSectionSE	Ss attribute. When '	false" the PSE Pinout
C/FM SC FM .aw, David Comment Type E	P6 HPE Comment Status D	L 4	# <u>325</u> Editorial	aSectionSESs attrib	not be controlled through t ute is part of the WAN Inte nstead I think the reference	rface Sublayer (WIS) object class I don't
Suggest the text ' IEI SuggestedRemedy See comment. Proposed Response PROPOSED ACCEPT	EE P802.3xx' should be chai Response Status W	nged to read '	IEEE P802.3bt'.		stances of the text ' throu hrough the aPSEPowerPa <i>Response Status</i> W PT.	irs attribute'.	Ss attribute' should be
C/FM SC FM	P 6	L 22	# 326	C/ 30 SC 30.9.1. Law, David	1.4 <i>P</i> 28 HPE	L 8	# 329
	HPE Comment Status D roup voter list supplied in names_DL_240816.fm		Editorial	only if the attribute a attribute aSectionSE aSectionSESThresh	Comment Status D EFINED AS' text states the SectionSESThreshold is "fa SThreshold is "false" a SE old attribute is part of the V rect. Instead I think the ref trolAbility attribute.	rue." If the T operation has no e VAN Interface Subla	effect.'. Since the yer (WIS) object class I
Proposed Response PROPOSED ACCEPT	Response Status W			SuggestedRemedy Suggest that both in: be changed to read	stances of the text ' the a		
				Proposed Response PROPOSED ACCE	Response Status W	1	

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

Management

CI 30	SC 30.9.1.1.4	P 28	L 8	# 330
Law, David		HPE		

Comment Type TR Comment Status D

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

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

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

SuggestedRemedy

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

Proposed Response	Response Status	W	
PROPOSED ACCEPT.			

TFTD (need an expert)

CI 30	SC 30.9.1.1.6	P 29	•	L 11	# 331
Law, David		HPE			
Comment Ty	pe TR	Comment Status	D		Management

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

SuggestedRemedy

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

Proposed Response Response Status W

PROPOSED ACCEPT.

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

CI 30	SC 30.9.1.2.1	P 31	L 8	# 332
Law, David		HPE		

Comment Type TR Comment Status D

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

SuggestedRemedy

Suggest that:

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

Proposed Response Response Status W PROPOSED ACCEPT.

CI 33 SC 33.1	P 41	L 12	# 333
Law, David	HPE		
Comment Type T	Comment Status D		PHYs

The first paragraph of this subclause states that 'This clause defines ... two optional power (non-data) entities ... for use with the MAU defined in Clause 14 and the PHYs defined in Clause 25, Clause 40, and Clause 55.' however as stated in the

third paragraph 2.5GBASE-T and 5GBASE-T PHYs defined in Clause 126 are also supported.

SuggestedRemedy

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

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Is there a reason they are not in numberical order?

Change text '... Clause 25, Clause 40, and Clause 55.' is changed to read ' Clause 25, Clause 40, Clause 55, and Clause 126.'.

Comment ID 333

Management

C/ 33 SC 33.2.2 Law, David	<i>Р</i> 47 НРЕ	L 2	# 334	C/ 33 Law, David	SC 33.5	<i>P</i> 172 HPE	L 26	# 335
Comment Type E	Comment Status X		Editorial	Comment T	vpe TR	Comment Status X		Pres: Law1
33-8. SuggestedRemedy See comment. Proposed Response	33-5, 33-7 33-933-10 and 33 <i>Response Status</i> W istinction between the two).	-11 be redrawn	in the format of Figure	does no 33-2, it show th other re optiona	ot appear in the interfaces to the PSE and PI easons, Clause I xMII, as for F	subclause 33.1.2, as an option e seven layer model. Regardle he medium at the same point a D function adjoining the PHY. I a 33 has provided the option fo 'HYs. This is through the optio defined in subclause 33.5.	ess, as illustrated as the PHY, and Perhaps becaus or the PSE funct	d in Figures 33-1 and I these figures also to of this, or perhaps for ions to be 'below' the
				interfac doesn't mandat or 45.2 register But the never u addition hence v So far i xMII (se We've u abstrac	e and instead matter if IEEE tory if 'the PS (MDIO)'. He rs don't need to re would seem used, as that w hal work for IEI we'd have to lo n IEEE 802.3 ' ee subclause ' not defined on ct services inte been in an imp	t implementations of PSE fund use other approaches. From t : 802.3 specifies registers in s SE is implemented with a man ence if the MDIO interface isn' o be implemented, only somet to be no point specifying thes ould just be unnecessary work E P802.3bt as there is no spi took at how to use the Clause 4 we've only defined an optional (.1.3.2), for access to the statu e for the MAC, MAC Control a rfaces. Hence access to control plementation specific way. Ma	he perspective of ubclause 33.5 s agement interfa t implemented of hing equivalent. se registers mov c. And there wou ace left in the Cl 5 register space compatibility in is and control in nd upper sublay ol and status in	of an implementer it ince they are only ce described in 22.2.4 on the PSE function, the ring forward if they are ald appear to be an lause 22 register space, a instead. terface, in this case the formation to the PHY. vers, instead only these sublayers has
				require 22 MII o behavio the cas diagran and sho I have r	er either depre ments'. For all or Clause 35 G burs will then c the for all MAC, n variables with buld be renam requested pressort of this com	cating, or even removing, sub DTE Power via MDI attributes GMII is present, then this will m nly make reference to subclau MAC Control and other upper h 'mr_' prefixes should have th ed by removing the text 'mr_'. centation time at the 2016 Sep ment. <i>Response Status</i> W	in Clause 30 re nap to' text so use, state diagra sublayers relate ne text related to	emove the 'If a Clause that the attributes ams and functions as is ad attributes. State register bits removed

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

CI 33	SC 33.6.3.3	P 179	L 43	# 336	CI 33 SC 33.6.3.3 P1
Law, David	Ł	HPE			Law, David HPE
Comment	Туре Т	Comment Status D		D	OLL Comment Type TR Comment Status
that it systen Power and M Suggested	is 'The copy of F n.'. PDRequeste Via MDI TLV. T irroredPSEAlloc	3 definition of the MirroredPE PDRequestedPowerValue tha dPowerValue should be the I here is a similar issue with th atedPowerValueEcho varible	at the PSE receive PD Requested Pe ne MirroredPSEA	es from the remote ower Value field in the	variable is mapped from the aLldpXdot3Lo
[4] [SuggestedRemedy
PDRe Reque [2] For	questedPowerVa ested Power Valu the MirroredPS	RequestedPowerValue varia alue that the' should be cha ue field in the Power Via MDI EAllocatedPowerValue varial	anged to read ' TLV that the'. ble the text ' co	copy of the PD py of	Suggest that the text ' is mapped from the attribute (30.12.2.1.18).' should be changed aLldpXdot3LocPSEAllocatedPowerValue a
Alloca	ted Power Value	alue that the' should be cha field in the Power Via MDI T EAllocatedPowerValueEcho	LV that the'.		Proposed Response Response Status PROPOSED ACCEPT IN PRINCIPLE.
Alloca Proposed	ted Power Value	alue that the' should be cha field in the Power Via MDI T <i>Response Status</i> W		copy of the PSE	Suggest that the text ' is mapped from the attribute (30.12.2.1.18).' should be changed aLldpXdot3LocPSEAllocatedPowerValue a Removed extra "in" from "maps in to"
C/ 33	SC 33.6.3.3	P 179	L 49	# 337	
Law, David	ł	HPE			C/ 79 SC 79.3.2.1 P2 Law, David HPE
Comment		Comment Status D			DLL
states		3 definition of the MirroredPD py of PDRequestedPowerVa			
Value	e system.'. There Echo field define	e is no PDRequestedPowerV ed for the Power Via MDI TLV wer Value Echo field in the Po	alueEcho or PD	Requested Power this should reference	Equipment (PSE) MDI power Support' yet i Specific TLV/LLDP Local System Group m
Value the PD	e system.'. There Echo field define Requested Pov	e is no PDRequestedPowerV ed for the Power Via MDI TL	alueEcho or PD	Requested Power this should reference	Equipment (PSE) MDI power Support' yet i Specific TLV/LLDP Local System Group m
Value the PE it is va Suggested Sugge	e system.'. There Echo field define D Requested Pou- lue the PD recei <i>IRemedy</i> est that the text '.	e is no PDRequestedPowerV ed for the Power Via MDI TLV wer Value Echo field in the Po	'alueEcho or PD /. Instead I think ower Via MDI TL' erValueEcho that	Requested Power this should reference V, this is an echo sinc t the' should be	Equipment (PSE) MDI power Support' yet i Specific TLV/LLDP Local System Group m object class cross references' describes thi SuggestedRemedy Since the other bits use 'PSE' rather than 'F 79-8 uses 'PSE' for this bit, suggest that 'Po

Proposed Response Response Status W PROPOSED ACCEPT.

²180 L 25 # 338 Е us D DLL

SEAllocatedPowerValue variable states that 'This ocPSEAllocatedPowerValue attribute ows the mapping from the aLldpXdot3LocPSEAllocatedPowerValue ower control state diagram' assigns values to IZE and MIRROR UPDATE states and is a local attribute it seems that this is a output le 33-40 entry is correct.

he aLldpXdot3LocPSEAllocatedPowerValue ed to read '... maps in to the attribute (30.12.2.1.18).'.

ıs W

he aLldpXdot3LocPSEAllocatedPowerValue ed to read '... maps to the attribute (30.12.2.1.18).'.

C/ 79 S	SC 79.3.2.1	P 212	L 26	# 339
Law, David		HPE		
Comment Type	e T	Comment Status D		LLDP

tus' bit 1 is described as 'Power Sourcing in Table 79-8 'IEEE 802.3 Organizationally managed his bit as 'PSE MDI power support'.

'Power Sourcing Equipment (PSE)', and Table Power Sourcing Equipment (PSE) MDI power ower Support'.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 79	SC 79.3.2.2	P 212	L 42	#	340
Law, David		HPE			
Comment Tv	pe TR	Comment Status D			LLDP

Comment Type **TR** Comment Status D

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.

C/ 79	SC 79.3.2.4	P 2 '	13 Le	6 #	341
Law, David		HPE			
Comment Typ	be T	Comment Status	D		LLDP

т Comment Status D

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

PROPOSED ACCEPT.

	SC 79.3	.2.6b	P 216	L 25	# 342	C/ 79	SC 79.3.2.	6c	P 217	L 12	# 343
aw, Davi	d		HPE			Law, David	l	H	PE		
Comment			omment Status D		LLDP	Comment	51	Comment Sta	_		LLD
Table mana attribu 'IEEE class	79–8 'IEÉE ged object o utes to supp	802.3 Orga lass cross ort these fie nizationally	anizationally Specific T references' does not lis	LV/LLDP Local S st these fields an 30. A similar issu	d there are no le exists for Table 79–9	availab and aL 802.3 cross i Syster missin	2SE Maximum 2PSEMaxAvailPower e in Table 79–8 'IEEE laged object class cific TLV/LLDP Remote 2SE available power uum available power lue				
Sugg	est that:					Suggestea		lescribed as 'PSE I			
[1] Th	e following	entries be a	added to Table 79–8:			Sugge	,				
PD lo PD M			3LocPDLoad Xdot3LocPDModeSeled	ction		be cha	inged to read 'l	PSE maximum ava	ilable powe	r'.	available power value' ower' be changed to
packa	PD Mode selection aLldpXdot3LocPDModeSelection [2] Add the following attributes to the 'LLDP Power via MDI Local Package (conditional) package' in Table 30-7 as well as definitions for each attribute as subclauses of subclause 30.12.2.1 'LLDP Local System Group attributes':						SE maximum 'TLV variable	available power'.			ower' be changed to
	Xdot3LocPE Xdot3LocPE		ction			Proposed PROP	Response OSED ACCEF	Response Sta PT.	tus W		
[3] Th	e following	entries be a	added to Table 79–9:			C/ 79	SC 79.3.7.		P 222	L 15	# 344
		aLldpXdot	3RemPDLoad			Law, David			PE		
PD lo	ad			ection		Comment	Type E	Comment Sta	atus D		
	ad ode selectic	n aLldp	Xdot3RemPDModeSele	00000					1.1.1	and the second to the se	
PD M [4] Ac	ode selectio	ing attribute	es to the 'LLDP Power	via MDI Remote		Sugge		hrough65535' shou	ld be chang	ged to read ' thre	ough 65535'.
PD M [4] Ac packa	ode selection Id the follow	ing attribute 30-7 as we		via MDI Remote ch attribute as su		Sugge Suggestea		hrough65535' shou	ld be chang	ged to read ' thro	ough 65535'.
PD M [4] Ac packa 30.12 aLldp	ode selection Id the follow	ing attribute 30-7 as we Remote Sys	es to the 'LLDP Power v ell as definitions for eac stem Group attributes':	via MDI Remote ch attribute as su		Sugge Suggestea See co Proposed	Remedy omment. Response	hrough65535' shou <i>Response Sta</i> PT IN PRINCIPLE.	-	ged to read ' thro	ough 65535'.

<i>Cl</i> 79 Law, David	SC 79.4.2	<i>P</i> 224 HPE	L 35	# 345	<i>CI</i> 79 Law, David	SC 79.4.2	<i>Р</i> 225 НРЕ	L 23	# 346
Comment Typ Table 79- managed System C	, –8 'IEEE 802 d object class Group manag	Comment Status D .3 Organizationally Specific T cross references' lists a num jed object class attribute' colu d in Clause 30.	ber of new attrib	System Group utes in the 'LLDP Loc	DP Comment Table al manag Syster	<i>Type</i> TR 79–8 'IEEE 802 Jed object class n Group manag	Comment Status D 2.3 Organizationally Specific T s cross references' lists a num ged object class attribute' colu hat have not been defined in 0	ber of new attrib mn for the 'Pow	outes in the 'LLDP Local
SuggestedRe	emedy				Suggested	Remedy			
package 30.12.2.1 aLldpXdc aLldpXdc aLldpXdc aLldpXdc aLldpXdc aLldpXdc aLldpXdc aLldpXdc	in Table 30-7 1 'LLDP Loca ot3LocPower ot3LocPower ot3Loc4PID ot3LocPDPI ot3LocPSEM: ot3LocPSEA ot3LocAutocla ot3LocAutocla	Typex axAvailPower utoclassSupport assCompleted			e Table [2] Adı Packa [3] Ad 'LLDP aLldp) aLldp) aLldp) aLldp) aLldp) aLldp) aLldp)	30-7. I the following a ge (conditional) I definitions for Local System (dot3LocPDMe (dot3LocPDMe (dot3LocPDMe (dot3LocPDMe (dot3LocPDMe (dot3LocPDMe	each of the following attribute Group attributes'. asVoltageSupport asCurrentSupport asEnergySupport asurementSource asurementVoltage asurementCurrent	wer via MDI me	asurement Local
Proposed Re	esponse	Response Status W					asurementEnergy easVoltageSupport		
PROPOS	SED ACCEP	T IN PRINCIPLE.					easCurrentSupport		
Defintion: TFTD	s are needec	I.			aLldp) aLldp) aLldp) aLldp) aLldp) aLldp)	(dot3LocPSEM (dot3LocPSEM (dot3LocPSEM (dot3LocPSEM (dot3LocPSEM	easEnergySupport easurementSource easurementVoltage easurementVoltage easurementCurrent easurementEnergy owerPriceIndex		
					Proposed PROP	,	Response Status W T IN PRINCIPLE.		
					Defint	ons are needed	d.		
					TFTD				

<i>Cl</i> 79 Law, David	SC 79.4.2	<i>Р</i> 226 НРЕ	L 32	# 347	<i>Cl</i> 79 Law, David	SC 79.4.2	<i>Р</i> 227 НРЕ	L 23	# 348
manage Remote	9–9 'IEEE 802 d object class System Grou	Comment Status D .3 Organizationally Specific T cross references' lists a num p managed object class attrib fined in Clause 30.	ber of new attrib	utes in the 'LLDP	manag Remote	9–9 'IEEE 802 ed object class e System Grou	Comment Status D 2.3 Organizationally Specific 5 cross references' lists a nun p managed object class attril hat have not been defined in	nber of new attrib oute' column for t	utes in the 'LLDP
package 30.12.3. aLldpXdd aLldpXdd aLldpXdd aLldpXdd aLldpXdd aLldpXdd aLldpXdd aLldpXdd aLldpXdd Proposed Re PROPOS	following attril a in Table 30-7 1 'LLDP Remo lot3RemPowe lot3RemPowe lot3RemPDPI lot3RemPSEA lot3RemPSEA lot3RemPSEA lot3RemAutoc lot3RemPowe esponse	rTypex faxAvailPower .utoclassSupport lassCompleted lassRequest rDownRequest <i>Response Status</i> W r IN PRINCIPLE.			aLidpX aLidpX	a new 'LLDP = 30-7 the following a ie (conditional) definitions for Remote Syster dot3RemPDMid dot3RemPDMid dot3RemPDMid dot3RemPDMid dot3RemPSEN dot3RemPSEN dot3RemPSEN dot3RemPSEN dot3RemPSEN dot3RemPSEN dot3RemPSEN dot3RemPSEN dot3RemPSEN dot3RemPSEN dot3RemPSEN	Power via MDI measurement attributes to the new 'LLDP Pr ' package. each of the following attribute n Group attributes'. easVoltageSupport easCurrentSupport easurementSource easurementVoltage easurementEnergy MeasVoltageSupport MeasCurrentSupport MeasCurrentSupport MeasUrementSource MeasurementVoltage MeasurementVoltage MeasurementVoltage MeasurementVoltage MeasurementVoltage MeasurementVoltage MeasurementVoltage	ower via MDI me	asurement Remote
						,	Response Status W T IN PRINCIPLE. d.		

CI 33A SC 33A Szczepanek, Andre	P 233 Inphi	L 8	# 349	C/ 33 Yseboodt,	SC 33.2.5. Lennart	1.1 <i>P</i> 55 Philips		# 352
Comment Type E	Comment Status D		Editorial	Comment	Туре Е	Comment Status	D	Editoria
	plemented) editors note giving 'G ballot !	instructions on v	hat to do BEFORE WG		which point the become activ	e semi-independent state e."	e diagrams for the P	rimary and Secondary
end of the draft.	e removed prior to Working Gro oup ballot, editor should move (. ,		Suggested ", at "	Remedy which point the	native rather than pairse		rimary and Secondary
SuggestedRemedy Remove editprs not	e			Proposed I	•	Response Status	w	
Proposed Response	Response Status W				OSED ACCEF			
			" []	C/ 33 Yseboodt,	SC 33.2.5. Lennart	1.1 <i>P</i> 55 Philips		# 353
CI 33 SC 33 Yseboodt, Lennart	P 41 Philips	<i>L</i> 1	# 350	Comment	Гуре Е	Comment Status	D	Editoria
Comment Type ER	Comment Status D		Editorial			and inrush is handled by its own, when it belongs		gure 33-23 respectively." e paragraph above it.
We have multiple va	ariants of the One True "ICon-2	P-unb" in the do	Э.	Suggested		, U	U U	
My logic is this:				Merge	paragraphs.			
- Put "-2P" at the er	d, except if the suffix directly ap or suffixes, except if they appea	oplies to pairsets ar after "-2P".		Proposed I	Response OSED ACCEF	Response Status	w	
SuggestedRemedy				PROP	USED ACCER	1.		
Replace all "ICon_2	P_unb", "ICon-2P_unb" and su	ch by the One T	rue "ICon-2P-unb"	CI 33	SC 33.2.5.	6 P 61	L 3	# 354
Proposed Response	Response Status W			Yseboodt,	Lennart	Philips		
PROPOSED ACCE	PT.			Comment		Comment Status		Editoria
C/ 33 SC 33.1.3 Yseboodt, Lennart	P 43 Philips	L 31	# 351	require	ments of a Ty	E powers a Type 1 PD, th pe 1 PSE, but may choo , ILIM, TLIM, and PType	se to meet the elect	
Comment Type E	Comment Status D		Editoiral		Parameter	names have changed.		
Table 33-1 in 33.1.3	3, there is a table footnote with '	Minimum Cablir	g Туре".	Suggested	Remedy	-		
This footnote points what is essentially t	to 33.1.3.1 and 33.1.3.2 do v he next page ?	ve really need to	point the reader to	require	ments of a Ty	E powers a Type 1 PD, th pe 1 PSE, but may choo -2P, ILIM-2P, TLIM-2P, 3	se to meet the elect	rical requirements of a
SuggestedRemedy				Proposed I		Response Status		ie de 17).
- Remove table 33- - Decapitalize to 'Mi	1 footnote 2 nimum cabling type' and 'Nomii	nal highest curre	nt per pair'	-	OSED ACCEF	•		
Proposed Response	Response Status W							
PROPOSED ACCE	PT.							
	uired ER/editorial required GR //dispatched A/accepted R/reje ent ID				U/unsatisfied		Comment ID 354	Page 83 of 122 8/31/2016 3:48

Comment Type T Comment Status D PSE SD Variable highest_2P is not used anymore. SuggestedRemedy Remove variable highest_2P. Response Status W PROPOSED ACCEPT. Proposed Response (2 33 SC 33.2.5.9 P70 L16 # 356 Comment Type T Comment Status D PSE SD SuggestedRemedy Vestill have "power-not_available_pri" and "_sec". Charge: - to "power available ist" - Add statement Ppd_dlegram has states DLL_ENABLE_modeA and DLL_ENABLE_modeA and DLL_ENABLE_modeA and DLL_ENABLE_modeA and DLL_ENABLE_modeA and DLL_ENABLE_modeA and Tpd_dlegram has states DLL_ENABLE_modeA and DLL_ENABLE_modeA and Tpd_dlegram has states DLLENABLE_modeA and Tpd_dlegram has states DLLENABLE_modeA and DLL_ENABLE_modeA and Tpd_dlegram has states DLLENABLE_modeA and Tpd_dlegram has states DLLENABLE_modeA and DLL_ENABLE_modeA and Tpd_dlegram has states DLLENABLE_modeA and Tpd_dlegram has states DLLENABLE_modeA and Tpd_dlegram has states DLLENABLE_modeA and Tpd_dlegrapBS status W <	# 358	L 20	P 134 Philips	33.3.3.14 rt	C/ 33 Yseboodt, Le		# 355	L 34	P 67 Philips	SC 33.2.5.9 Lennart	C/ 33 Yseboodt,
Suggested/Remedy Remove variable highest_2P. Proposed Response Response Status PROPOSED ACCEPT. (7 33 SC 33.2.5.9 P70 L16 # 356 Comment Type T Comment Status D PSE SD Comment 174/D1.7 changed 'power_not_available_prif PSE SD Comment 174/D1.7 changed 'power_not_available_prif PSE SD Comment 174/D1.7 changed 'power_not_available_prif Suggested/Remedy We still have 'power_not_available_prif' and '_sec'. Change: - to 'power_available_prif' and '_sec'. Change: - to 'power available_prif' and '_sec'. Change: - to addremover '' in the state machine wherever these variables are used PROPOSED ACCEPT. (7 33 SC 33.2.5.9 P72 L 48 357 Yseboodt, Lennart Philips Comment Type E Comment Status D Editorial Format error with Capital letter in class events than the Class they a	PD SD	".	Irns variable "short_mps	ning_modeB retur	do_class	PSE SD				ble highest_2P is no	Variat
Proposed Response Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT. (1/33) SC 33.2.5.9 PT0 L 16 # 356 Comment Type T Comment Status D PSE SD Comment #174/D1.7 changed "power_not_available" to "power_available". PSE SD Comment #174/D1.7 changed "power_not_available_pri & sec." Suggested/Remedy We still have "power_not_available_pri" and "_sec". Change: • 0 "power_available_pri" and "_sec". Change: • 0 power_available_pri" and "_sec". Change: • 0 power_available_pri" and "_sec". • Nervores False/True meaning in the variable ist • Add/remove "I" in the state machine wherever these variables are used Proposed Response Response Status X PROPOSED ACCEPT. If 33 SC 33.2.5.9 PT2 L 48 357 Yseboodt, Lennart Philips Comment Status D Editorial Format error with Capital letter in class events The dual-sig PD State diagram has letter boll_POWER1_m • Add statement "pd.dll_enabled <= TRUE" to the MDI_POWER1_m									2P	-	
PROPOSED ACCEPT. Cl 33 SC 33.2.5.9 P 70 L16 # 356 Yseboodt, Lennart Philips PROPOSED ACCEPT. Cl 33 SC 33.3.15 P 136 L 35 Comment 17/P0 T Comment Status D P SE SD Se status W PROPOSED ACCEPT. Comment #174/D1.7 changed "power_not_available_pri & sec." Change: • 0 "power_available_pri" and "_sec". Change: • 0 "power_available_pri" and "_sec". Change: • 0 "power_available_pri" and "_sec". Change: • Addremove "I" in the state machine wherever these variables are used Proposed Response Response Status W PROPOSED ACCEPT. Remove states DLL_ENABLE_modeA and DLL_ENABLE_modeA far Cl 33 SC 33.2.5.9 P 72 L 48 # 357 Yseboodt, Lennart Philips Seconse Response Status W PROPOSED ACCEPT. True They don't need this. DL_ENABLE_modeA and DL_ENABLE_modeA Yseboodt, Lennart Philips Comment Type T Comment Yod GII_enabled <= TRUE" to the MDI_POWER1_n	eeded in the state	ame where nee	rt_mps_modeB" and re	ort_mps" to "short					-	0 -	
Cl 33 SC 33.23.23 P10 L16 # [350] Vseboodt, Lennart Philips Comment Type T Comment Status D PSE SD Comment #174/D1.7 changed "power_not_available" to "power_available". Philips Comment #174/D1.7 changed "power_not_available_pri" and "_sec". Change: Comment Type T Comment Status X Suggested/Remedy ** ** The dual-sig PD state diagram has states DLL_ENABLE_modeA (ar ** The yower_not_available_pri" and "_sec". Change: ** Comment Type T Comment Status X ** The dual-sig PD state diagram has states DLL_ENABLE_modeA (ar The dual-sig PD state diagram has states DLL_ENABLE_modeA (ar ** The yower_available_pri" and "_sec". ** Change: ** Reverse False/True meaning in the variable list ** Add/remove "1" in the state machine wherever these variables are used ** Remove states DLL_ENABLE_modeA and DLL_ENABLE_modeA (ar PROPOSED ACCEPT. ** Comment Type E Comment Status D ** C/ 33 SC 33.2.5.9 P72 L 48 [357] Ype 1 and Type 2 PSEs shall issue no more Class events than the Class they are capable of supporting. Type 4 and Type 2 PSEs shall issu			sponse Status W	nse Resp	0					OSED ACCEPT.	PROF
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" and "_sec". Change: - to "power_available_pri" and "_sec". Change: - to "power_available_pri" and "_sec". - Change: - to "power_available_pri" and "_sec". - 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 PROPOSED ACCEPT. C/ 33 SC 33.2.5.9 P72 L48 # 357 '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. Type 4 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. Type 3 and Type 4 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. Type 3 and Type 4 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. Type 3 and Type 4 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. Type 3 and Type 4 PSEs shall issue no more class events than the Class they are capable of supporting. Type 4 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			,	ACCEPT.	PROPOS		# 356	L 16	P 70	SC 33.2.5.9	CI 33
Comment #174/D1.7 changed "power_not_available" to "power_available". This change was not done for power_not_available_pri & sec. SuggestedRemedy We still have "power_not_available_pri" and "_sec". Change: - to "power_available_pri" and "_sec". Change: - Reverse FalseTrue meaning in the variable list - Add/remove 1' in the state machine wherever these variables are used Proposed Response Response Status W PROPOSED ACCEPT. C/ 33 SC 33.25.9 P72 L 48 # 357 Yesboodt, Lennart Philips Comment Type E Comment Status D Editorial Format error with Capital letter in class events than the Class they are capable of supporting. 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. Type 3 and Type 4 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. Type 3 and Type 4 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. Type 3 and Type 4 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. Type 4 and Type 4 PSEs shall issue no more class events than the Class they are capable of supporting. Type 4 and Type 4 PSEs shall issue no more class events than the Class they are capable of supporting. 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	# 359	L 35	P 136	33.3.3.15	CI 33				Philips	Lennart	Yseboodt,
This change was not done for power_not_available_pri & sec. SuggestedRemedy We still have "power_not_available_pri" and "_sec". 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 PROPOSED ACCEPT. C/ 33 SC 33.2.5.9 P72 L 48 # [357] Yseboodt, Lennart Philips Comment Type E Comment Status D Editorial Format error with Capital letter in 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. Type 4 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. Type 3 and Type 4 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. Type 4 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. Type 3 and Type 4 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. Type 3 and Type 4 PSEs shall issue no more class events than the Class they are capable of supporting. Type 4 PSEs shall issue no more class events than the Class they are capable of supporting. 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			Philips	rt	Yseboodt, Le	PSE SD					
SuggestedRemedy The dual-sig PD state diagram has states DLL_ENABLE_modeA (ar We still have "power_not_available_pri" and "_sec". Change: - to "power available_pri" and "_sec". Reverse False/True meaning in the variable list - Add/remove "I" in the state machine wherever these variables are used Proposed Response Proposed Response Response Status PROPOSED ACCEPT.	PD SD		mment Status X	T Con	Comment Ty		ailable".				
We still have 'power_not_available_pri" and "_sec". Change: In the data signification (signification (signific								_pir & 566.		•	
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 PROPOSED ACCEPT. C/ 33 SC 33.2.5.9 P72 L 48 # 357 Yseboodt, Lennart Philips Comment Type E Comment Status D Editorial 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 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. 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. Type 3 and Type 4 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. Type 3 and Type 4 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. Type 3 and Type 4 PSEs shall issue no more class events than the Class they are capable of supporting.	ess of Class.	ature, regardless	mandatory for dual-sigr		-				_available_pri" and "_sec".	•	
 Add statement "pd_dll_enabled <= TRUE" to the MDI_POWER1_n 	P			•						Change:	
- Add/remove "!" in the state machine wherever these variables are used Proposed Response Response Status W PROPOSED ACCEPT. C/ 33 SC 33.2.5.9 P 72 L 48 # 357 Yseboodt, Lennart Philips Comment Type E Comment Status D Editorial 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 1 and Type 2 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 TRUE? to the MDL_POWER1_n Proposed Response Response Status W TFTD See PD_DS_DLL See PD_DS_DLL								able list			
Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT. Image: Status Imag						d	riables are used				
PROPOSED ACCEPT. TFTD Cl 33 SC 33.2.5.9 P 72 L 48 # 357 Yseboodt, Lennart Philips See PD_DS_DLL Comment Type E Comment Status D Editorial Format error with Capital letter in class events Trype 1 and Type 2 PSEs shall issue no more Class events than the Class they are capable of supporting. Editorial See PD_DS_DLL 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." SuggestedRemedy "Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. 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 capable of supporting. Type 3 and Type 4 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. Type 3 and Type 4 PSEs shall issue no more class events than the Class they are capable of supporting.			sponse Status W	nse Resp	Proposed Re						Proposed
Yseboodt, Lennart Priz L46 # 357 Yseboodt, Lennart Philips Comment Type E Comment Status D 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. Editorial 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." 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 capable of supporting. Type 3 and Type 4 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. Type 3 and Type 4 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. Type 3 and Type 4 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					TFTD						
Comment Type E Comment Status D Editorial 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." SuggestedRemedy "Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. Type 1 and Type 2 PSEs shall issue no more class events than the Class they are capable of supporting. "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. Type 3 and Type 4 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.				_DLL	See PD_		# 357	L 48	P 72	SC 33.2.5.9	CI 33
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." 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 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									Philips	Lennart	Yseboodt,
 "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." 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 capable of supporting. 						Editorial			Comment Status D	Type E	Comment
"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						e	e Class they are	s events than the	shall issue no more Clas shall issue no more Class ween the most recent time	1 and Type 2 PSEs le of supporting. 3 and Type 4 PSEs le of supporting bet	"Type capab Type : capab
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									—		
						e capable	Class they are	events than the	shall issue no more class most recent time VPSE v	le of supporting. 3 and Type 4 PSEs porting between the	capab Type : of sup
Proposed Response Response Status W									Response Status W	Response [Proposed
PROPOSED ACCEPT.										OSED ACCEPT.	PROF

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

CI 33	SC 3	33.3.4	P 138	L 46	# 360	CI 33	SC	33.3.4	P 138	L 53	# 362
rseboodt,	Lennart	t	Philips			Yseboodt	, Lenna	rt	Philips		
Comment	Туре	Е	Comment Status D		PD Detection	Comment	Туре	Е	Comment Status D		Edtiori
			detection signature while i ed via the PI per Figure 33		e it accepts power via				Type 4 PD presents a non-vali 33-31, Figure 33-32, and Figu		nature when in a mark
			ed to add references to the it accepts power via the P			Missir	ng figure	e ref.			
	ower_re		it accepts power via the P	I ? I Call Only Ina	gine this being	Suggeste	dReme	dy			
lf so th - not re	nis state equired	ment is w to do vali	d detect when in IDLE						Type 4 PD presents a non-vali 33-31, Figure 33-32, Figure 3		
			d detect when in CLASS			Proposed	Respo	nse	Response Status W		
			I detect when in MARK			PROF	POSED	ACCEPT			
Suggested A PD"	-	•	detection signature when	it is the DO DETE	CTION state as defined	CI 33	SC	33.3.4	P 139	L7	# 363
			33-32, Figure 33-33, Figu			Yseboodt			Philips		
Proposed	Respon	se	Response Status W			Comment	Tvpe	т	Comment Status D		PD Detection
PROP	OSED A	ACCEPT.						dicate the	e ability to accept power on bo	th pairsets usir	
CI 33 Yseboodt,		33.3.4	P 138 Philips	L 49	# 361				r by presenting a valid detection er only one pairset."	on signature on	the unpowered pairset,
			Comment Status D						ntence is a hint at Type 1 and	Type 2 dual-sig	nature PDs, something
Comment		E	alid detection signature at	the Pl while it is i	Editorial			out of sco	pe. ict with the paragraph above it		
			e PI per Figure 33-32."		n a state where it does				, PSEs are allowed to power s		ו 4P.
Add re	eference	es to the c	ther state diagrams and a	dd reference to pa	irset for dual-sig.	Suggeste	dReme	dy			
	present	ts a non-v	alid detection signature at					dicate the 79-6b."	e ability to accept power on bo	th pairsets usir	g TLV variable PD
	it does gure 33-		ot power via the PI per Fig	ure 33-31, Figure	33-32, Figure 33-33,	Proposed	Respo	nse	Response Status W		
Proposed	-		Response Status W			PROF	POSED	REJECT			
	•	ACCEPT.				do thi	s. Type	e 1 and Ty	he last part of the sentence is /pe 2 PDs are strictly forbidde et when powered from the oth	n from presenti	
						TFTD	1				

C/ 33 SC 33.3.4 Yseboodt, Lennart	P 139 Philips	L 30	# 364	C/ 33 Yseboodt,	SC 33.3.4 , Lennart	P 140 Philips	L 13	# 367
Comment Type E	Comment Status D		Editorial	Comment	Туре Т	Comment Status D		PD Detection
The section still conta	ins an editing instruction.			Figure	e 33-35 on 'Valid	PD detection signature offse	t' refers to IPort [[A] in the Y axis.
SuggestedRemedy				Suggeste	dRemedy			
Remove "Change Tak	ole 33-14 and 33-15 as follows	:"		Repla	ice by IPort-2P.			
Proposed Response PROPOSED ACCEP	Response Status W			•	Response POSED ACCEP1	Response Status W		
C/ 33 SC 33.3.4 Yseboodt, Lennart	P 139 Philips	L 45	# 365	C/ 33 Yseboodt,	SC 33.3.5 , Lennart	P 140 Philips	L 36	# 368
Comment Type T	Comment Status D		PD Detection	Comment	Туре Е	Comment Status D		Editorial
	PD detection signature chara r "Voltage at the PI" with Cond					ents for dual-signature are lis draft this is reversed.	ted first, followed	d by single-signature.
	ens only over 2P (right?), this s	should be IPort-2	2P.	Suggestee Put th		single-signature first.		
SuggestedRemedy Change IPort to IPort- Change ", measured	-2P d at PD PI" to ", measured a	t the PD PI"		•	Response POSED ACCEP1	Response Status W		
Proposed Response	Response Status W			CI 33	SC 33.3.5	P 140	L 42	# 369
PROPOSED ACCEP	Т.			Yseboodt,		Philips	L 42	# 209
C/ 33 SC 33.3.4	P 140	L 6	# 366	Comment	Type E	Comment Status D		Editorial
Yseboodt, Lennart	Philips					of any voltage applied to Mod		
Comment Type ER	Comment Status D		PD Detection	Moo	de B regardless o	of any voltage applied to Mod	e A between 0V	and 57V.
	inst D1.7 changed the Parame			Missir	ng comma after '	Mode x'.		
	able 33-22. Tables 33-21 and onsists of respectively. The reference			Suggeste	dRemedy			
5	e that same name in both table			"- Mo	de A, regardless	"		
SuggestedRemedy				Proposed	Response	Response Status W		
In Table 33-22, renam	ne "Rdetect_invalid" to "Rdetect	ct".		PROF	POSED ACCEPT			
Proposed Response PROPOSED ACCEP	Response Status W							

C/33 SC	33.3.5	P 140	L 45	# 370	CI 33	SC	33.3.6	P 140	L 54	# 372
'seboodt, Lenna	ırt	Philips			Yseboodt	, Lennar	t	Philips		
Comment Type	TR	Comment Status D		PD Signatures	Comment	t Type	Е	Comment Status D		PD Class
voltage or cu	irrent is app	shall present a valid detectio plied to Mode B, and shall pr age between 10.1V and 57V	esent an invalio	I detection signature on	that a	а Туре З		during Physical Layer cla 4 PD shall draw across a		D is the maximum power d operational modes."
		quirement only holds for Moc eet this requirement on Mode			Clunk mode	es.				
		ors should never be underest			Suggeste		-			
SuggestedReme								by the PD during Physic Type 4 PD shall draw."	al Layer classification	on is the maximum
when no volta detection sign	age or curr nature on N	shall present a valid detectio ent is applied to the other Mo Mode A or Mode B, when any de. These requirements appl	ode, and shall p y voltage betwe	present an invalid en 10.1V and 57V is	Proposed PROF	,	se ACCEPT	Response Status W		
Proposed Respon		Response Status W			CI 33	SC	33.3.6	P 141	L 21	# 373
		IN PRINCIPLE.			Yseboodt	, Lennar	t	Philips		
							_			
	nature PD	shall present a valid detectio			<i>Comment</i> " sh		T orm to Ty	Comment Status D pe 1 PD power restriction	ns and shall provide	
voltage or cu signature on Mode. These	nature PD s irrent is app that Mode e requireme 33.3.5	blied to the other Mode, and when any voltage between 1 ants apply to both Mode A an P 140	shall present ar 10.1V and 57V i	n invalid detection	" sh indica The 'a - unte	nall confo ation if ur active ind estable	orm to Ty nderpowe	pe 1 PD power restriction ered. The method of activ		e the user with an active
voltage or cu signature on Mode. These C/ 33 SC 'seboodt, Lenna	nature PD s irrent is app that Mode e requireme 33.3.5	blied to the other Mode, and when any voltage between 1 ents apply to both Mode A an P 140 Philips	shall present ar I0.1V and 57V i nd Mode B."	n invalid detection is applied to the other # 371	" sh indica The 'a - unte	ation if un active ind estable of scope	orm to Ty nderpowe dication' s e for an ir	pe 1 PD power restriction ered. The method of activity		e the user with an active
voltage or cu signature on Mode. These 2/ 33 SC 2/ seboodt, Lenna Comment Type	nature PD s irrent is app that Mode e requireme 33.3.5 irt E	blied to the other Mode, and when any voltage between 1 ents apply to both Mode A an P 140 Philips Comment Status D	shall present ar I0.1V and 57V i Id Mode B." <i>L</i> 48	n invalid detection is applied to the other # <u>371</u> <i>Editorial</i>	" sh indica The 'a - unta - out Suggeste	nall confo ation if ur active ind estable of scope	orm to Ty nderpowe dication' s e for an ir ly	pe 1 PD power restriction ered. The method of activity	ve indication is left t	
voltage or cu signature on Mode. These 2/ 33 SC 2/ seboodt, Lenna Comment Type	nature PD s arrent is app that Mode e requireme 33.3.5 art E n 33.3.5 on	blied to the other Mode, and when any voltage between 1 ents apply to both Mode A an P 140 Philips	shall present ar I0.1V and 57V i Id Mode B." <i>L</i> 48	n invalid detection is applied to the other # <u>371</u> <i>Editorial</i>	" sh indica The 'a - unto - out Suggeste " sh Proposed	nall confo ation if ur active ind estable of scope adRemed nall confo	orm to Ty nderpowe dication' s e for an ir ly prm to Ty	pe 1 PD power restriction ered. The method of activ shall is: nteroperability standard pe 1 PD power restriction <i>Response Status</i> W	re indication is left t	e the user with an active
voltage or cu signature on Mode. These 2/ 33 SC (seboodt, Lenna Comment Type In the sectior PDs. No context is SuggestedRement	nature PD s irrent is app that Mode a requirement 33.3.5 irt E n 33.3.5 on s provided. <i>dy</i>	blied to the other Mode, and when any voltage between 1 ents apply to both Mode A an P 140 Philips Comment Status D	shall present ar I0.1V and 57V i Id Mode B." <i>L</i> 48	n invalid detection is applied to the other # <u>371</u> <i>Editorial</i>	" sh indica The 'a - unto - out Suggeste " sh Proposed PROF	hall confo ation if ur active ind estable of scope dRemed hall confo I Respon POSED	orm to Ty nderpowe dication' s e for an ir ly orm to Ty use REJECT	pe 1 PD power restriction ered. The method of activ shall is: nteroperability standard pe 1 PD power restriction <i>Response Status</i> W	re indication is left t	e the user with an active o the implementer."
voltage or cu signature on Mode. These 2/ 33 SC 2/ seboodt, Lenna 2000 Comment Type In the section PDS. No context is 2000 Sected Remed Add third par- "These require	nature PD s irrent is app that Mode e requirement 33.3.5 irt E n 33.3.5 on s provided. dy ragraph: rements all	blied to the other Mode, and when any voltage between 1 ents apply to both Mode A an P 140 Philips Comment Status D	shall present ar 10.1V and 57V i nd Mode B." <i>L</i> 48 o requirements f	n invalid detection is applied to the other # <u>371</u> <i>Editorial</i> for single and dual sig	" sh indica The 'a - unto - out Suggeste " sh Proposed PROF	all confo ation if ur active ind estable of scope dRemed hall confo I Respon POSED	orm to Ty nderpowe dication' s e for an ir ly orm to Ty use REJECT	pe 1 PD power restriction ered. The method of activ shall is: hteroperability standard pe 1 PD power restriction <i>Response Status</i> W.	re indication is left t	e the user with an active o the implementer."

C/ 33 SC 33.3.6.2 Yseboodt, Lennart	2.1 P 144 Philips	L 3	# 374	C/ 33 SC 33.3.7 Yseboodt, Lennart	P 145 Philips	L 5	# 377
Comment Type E	Comment Status D		Editorial	Comment Type T	Comment Status X		Pres: Yseboodt
	senting a mark event signature	e as shown in the			se_power_level to '1' when the	e PD enters the D	
Incomplete Figure ref	erence.			5			
	senting a mark event signature		e state diagram of	Possible OBE by yse	se_power_level to '3' when the boodt_04_0916_psetypeid.pd		O_DETECTION state."
Proposed Response	33-32, Figure 33-33, and Figu	ie 33-34		Proposed Response	Response Status W		
Proposed Response PROPOSED ACCEP	Response Status W T.			TFTD WEP			
C/ 33 SC 33.3.6.3 Yseboodt, Lennart	B P 144 Philips	L 23	# 375	Cl 33 SC 33.3.8	P 145	L 15	# 378
Comment Type E	Comment Status D		Editorial	Yseboodt, Lennart	Philips		
"See Annex 33C for r	nore information on Autoclass g.			Comment Type E The fontsize of the ad This damn problem k	Comment Status D dditional information field in Ta seeps reappearing.	able 33-28 is incor	Editoria nsistent.
SuggestedRemedy Axe sentence.	5			SuggestedRemedy Make font size correc	ct.		
Proposed Response PROPOSED ACCEP	Response Status W			Proposed Response PROPOSED ACCEF	Response Status W		
C/ 33 SC 33.3.7 Yseboodt, Lennart	P 145 Philips	L 1	# 376	C/ 33 SC 33.3.8 Yseboodt, Lennart	P 145 Philips	L 41	# 379
	Comment Status X Type identification has two pro pe 3 and Type 4, we lost the le		Pres: Yseboodt4	At Class 8 worst case	Comment Status D ncorrect value for Type 4 over e we have Pclass_pd-2P = 1.0		PD Power N, with current =
SuggestedRemedy Adopt yseboodt_04_(0		Ŭ	age is 52 - 6.25 * 1.841 = 40.5	5V	
Proposed Response	_, ,, ,			SuggestedRemedy			
TFTD	Response Status W			C .	, item 3, Type 4 value from 39	.5 to 40.5	
				Proposed Response	Response Status W		

Yseboodt, Lennart	P 146 Philips	L 29	# 380	C/ 33 SC 33.3.8. Yseboodt, Lennart	2.1 P 148 Philips	L 35	# 382
Comment Type T TDELAY_COMMENT	Comment Status D		PD Power	Comment Type E "33.3.8.2.1 Input ave	Comment Status D	and Class 8 PD	Editorial s"
Since the text in 33.3.8	both Tdelay and Tdelay-2P v 3.3 never uses Tdelay, and th don`t really need the Tdelay p	is text is written		sounding header.	rect, the word 'certain' causes s mentioned in the section.	this to be a very	odd and unsure
SuggestedRemedy				SuggestedRemedy			
- Remove Table 33-28				"33.3.8.2.1 Input ave	rage power for Class 6 and Cl	ass 8 PDs"	
	item 9 (Tdelay-2P), add info n up Tdelay references.	to read "See 33.	.3.8.3".	Proposed Response	Response Status W		
Proposed Response	Response Status W			PROPOSED ACCEF	1.		
PROPOSED ACCEPT				C/ 33 SC 33.3.8 . Yseboodt, Lennart	2.2 <i>P</i> 148 Philips	L 47	# 383
C/ 33 SC 33.3.8.1	P 148	L 15	# 381		Comment Status D		PD Powe
Yseboodt, Lennart	Philips			Comment Type T	m stability test conditions durir	a startup and st	
Comment Type T	Comment Status X		PD SD	we find:	In stability test conditions duri	ig startup and ste	eady state operation
	1, until V PD falls below V Re			"When a Type 1, Typ supplied with V Port	be 2, single-signature Type 3, 0	or single-signatur P max with R Ch	re Type 4 PD is
Now that we have this the state diagram. SuggestedRemedy - From 33.3.3.7 remov - From Figure 33-32 re	text, we can do away with the e variable 'pd_undefined' emove state MDI_NOPOWER	e inelegant MDI_		supplied with V Port_ 33-1) in series, it sha noise content as defi defined by Table 33- and	_PSE-2P min to V Port_PSE-2 all operate at PPort_PD , as de ined in Table 33-28, and with to 28."	P max with R Ch fined in Table 33 he DC input oper	n (as defined in Table 3-28, with the ripple and rating voltage range as
Now that we have this the state diagram. SuggestedRemedy - From 33.3.3.7 remov - From Figure 33-32 re - From 33.3.3.12 remo - From Figure 33-33 re	text, we can do away with the	e inelegant MDI_		supplied with V Port_ 33-1) in series, it sha noise content as defi defined by Table 33- and "When a dual-signatu with R Ch (as defined	_PSE-2P min to V Port_PSE-2 all operate at PPort_PD , as de ined in Table 33-28, and with the 28." ure PD is supplied with V Port d in Table 33-1) in series, it sh	P max with R Ch fined in Table 33 he DC input oper _PSE -2P min to all operate at PP	n (as defined in Table B-28, with the ripple and rating voltage range as V Port_PSE-2P max rort_PD-2P , as defined
Now that we have this the state diagram. SuggestedRemedy - From 33.3.3.7 remov - From Figure 33-32 re - From 33.3.3.12 remo - From Figure 33-33 re - From Figure 33-34 re	text, we can do away with the e variable 'pd_undefined' move state MDI_NOPOWER ve variables 'pd_undefined_n emove state MDI_NOPOWER	e inelegant MDI_		supplied with V Port_ 33-1) in series, it sha noise content as defi defined by Table 33- and "When a dual-signate with R Ch (as defined in Table 33-28, with t	_PSE-2P min to V Port_PSE-2 all operate at PPort_PD , as de ined in Table 33-28, and with to 28." ure PD is supplied with V Port_	P max with R Ch fined in Table 33 he DC input oper _PSE -2P min to all operate at PP s defined in Table	n (as defined in Table B-28, with the ripple and rating voltage range as V Port_PSE-2P max Port_PD-2P, as defined
Now that we have this the state diagram. SuggestedRemedy - From 33.3.3.7 remov - From Figure 33-32 re - From 33.3.3.12 remo - From Figure 33-33 re - From Figure 33-34 re	text, we can do away with the e variable 'pd_undefined' emove state MDI_NOPOWER ve variables 'pd_undefined_n emove state MDI_NOPOWER emove state MDI_NOPOWER	e inelegant MDI_		supplied with V Port_ 33-1) in series, it sha noise content as defi defined by Table 33- and "When a dual-signate with R Ch (as defined in Table 33-28, with the DC input operating v All of this repeats reco with it.	_PSE-2P min to V Port_PSE-2 all operate at PPort_PD, as de ined in Table 33-28, and with the 28." ure PD is supplied with V Port_ d in Table 33-1) in series, it shi the ripple and noise content as oltage range as defined by Tal quirements already in Table 33	P max with R Ch fined in Table 33 he DC input oper _PSE -2P min to all operate at PP s defined in Table ble 33-28."	A (as defined in Table B-28, with the ripple and rating voltage range as V Port_PSE-2P max ort_PD-2P , as defined a 33-28, and with the
Now that we have this the state diagram. SuggestedRemedy - From 33.3.3.7 remov - From Figure 33-32 re - From Figure 33-33 re - From Figure 33-34 re Proposed Response	text, we can do away with the e variable 'pd_undefined' emove state MDI_NOPOWER ve variables 'pd_undefined_n emove state MDI_NOPOWER emove state MDI_NOPOWER	e inelegant MDI_		supplied with V Port_ 33-1) in series, it sha noise content as defi defined by Table 33- and "When a dual-signate with R Ch (as defined in Table 33-28, with the DC input operating v All of this repeats reco with it.	_PSE-2P min to V Port_PSE-2 all operate at PPort_PD , as de ined in Table 33-28, and with the 28." ure PD is supplied with V Port_ d in Table 33-1) in series, it sh the ripple and noise content as oltage range as defined by Tal	P max with R Ch fined in Table 33 he DC input oper _PSE -2P min to all operate at PP s defined in Table ble 33-28."	A (as defined in Table B-28, with the ripple and rating voltage range as V Port_PSE-2P max ort_PD-2P , as defined a 33-28, and with the
Now that we have this the state diagram. SuggestedRemedy - From 33.3.3.7 remov - From Figure 33-32 re - From 33.3.3.12 remo - From Figure 33-33 re - From Figure 33-34 re Proposed Response	text, we can do away with the e variable 'pd_undefined' emove state MDI_NOPOWER ve variables 'pd_undefined_n emove state MDI_NOPOWER emove state MDI_NOPOWER	e inelegant MDI_		supplied with V Port_ 33-1) in series, it sha noise content as defi defined by Table 33- and "When a dual-signate with R Ch (as defined in Table 33-28, with the DC input operating v All of this repeats red with it. Also this doesn`t below SuggestedRemedy	_PSE-2P min to V Port_PSE-2 all operate at PPort_PD, as de ined in Table 33-28, and with the 28." ure PD is supplied with V Port_ d in Table 33-1) in series, it shi the ripple and noise content as oltage range as defined by Tal quirements already in Table 33	P max with R Ch fined in Table 33 he DC input oper _PSE -2P min to all operate at PP s defined in Table ble 33-28."	A (as defined in Table B-28, with the ripple and rating voltage range as V Port_PSE-2P max ort_PD-2P , as defined a 33-28, and with the

C/ 33 SC 33.3.8.3 Yseboodt, Lennart	P 149 Philips	L 1	# 384	C/ 33 Yseboodt, Le	SC 33.3.8.3 nnart	P 149 Philips	L 23	# 386
Comment Type E The paragraph order in SuggestedRemedy	Comment Status D 33.3.8.3 isn`t entirely logical		Editorial		Note: These	Comment Status D paragraphs have changed as ragraph without consulting the		
paragraph.	that describes Cport) to befo er the "Single-signature PDs <i>Response Status</i> W			SuggestedRe Remove Proposed Re	emedy note.	s been revamped and the con <i>Response Status</i> W	cern of MR1277	has been addressed.
C/ 33 SC 33.3.8.3 Yseboodt, Lennart	P 149 Philips	L 21	# 385	TFTD (CI	nad, are you	OK with this?)		
Comment Type E "The PD shall meet the	Comment Status X inrush requirements with the	PSE behavior	PD Power described in 33.2.8.5."	C/ 33 Yseboodt, Le	SC 33.3.8.3 nnart	P 149 Philips	L 28	# 387
complies to 33.2.8.5". Do we really need to sa	o say "PD only needs to mee y this ? The same applies to	·			ush current a	Comment Status D t startup, IInrush PD-2P , is line a 3 PDs and if C Port-2P < 18	,	
well. Also, the earlier shalls a form.	are not conditional upon this	one, so it has no	effect in its current	Depends SuggestedRe	0	Class, not PD Type.		
SuggestedRemedy Remove "The PD shall 33.2.8.5."	meet the inrush requirement	s with the PSE b	behavior described in	for dual-s	ignature PDs	t startup, Ilnrush PD-2P , is line assigned to Class 0 to 4, and ad to Class 5."		
Proposed Response TFTD	Response Status W			Proposed Re PROPOS	sponse SED ACCEPT	Response Status W		

of issues in the field).

C/ 33 SC 33.2.5.11 Yseboodt, Lennart	P 75 Philips	L 12	# 388	C/ 33 SC 33.2.5. Yseboodt, Lennart	11 P 75 Philips	L 41	# 390
	Comment Status D		Editorial		Comment Status D		
	True when a class signature Table 33-27, otherwise it is si		Editorial during the TACS	The do_class_reset	function is not used in the state pri and _sec are.	e diagram.	
"if" should be "of"				,	eset to do_class_reset_pri and	add "on the Drin	aany Altornativo" hoforo
SuggestedRemedy Change to:				the semicolon.	class_reset_sec.		nary Alternative before
	True when a class signature Table 33-27, otherwise it is so		d during the TACS	Proposed Response PROPOSED ACCEF	Response Status W		
Proposed Response	Response Status W			FROFOSED ACCEP			
PROPOSED ACCEPT	IN PRINCIPLE.			OBE by 505			
OBE by 503				<i>Cl</i> 33 <i>SC</i> 33.2.5. Yseboodt, Lennart	12 P 79 Philips	L 10	# 391
C/ 33 SC 33.2.5.11	P 75	L 12	# 389		Comment Status D		PSE S
seboodt, Lennart	Philips			Comment Type T	arge number of variables are ir	viticlized	FSE S
Comment Type TR	Comment Status D		PSE SD		default values in the variable li		
	ion text refer to T_ACS. That	is the PD param	neter, we need	SuggestedRemedy			
T_CLass_ACS. Also refers to wrong Ta	able.			 remove "sig_type < not need to be set 	= open_circ" this variable is se	et by the do_cxn_	chk function and does
SuggestedRemedy - Replace T_ACS by T - Replace Table 33-27				 remove "det_temp remove "pse_dll_er 	<= both_neither" and set both_ nabled <= FALSE" and set as _det <= FALSE" this is an inpu	FALSE as the de	fault in the var list
Proposed Response	Response Status W						
PROPOSED ACCEPT	IN PRINCIPLE.			Proposed Response	Response Status W		
Replace "T_ACS" in de defined in Table 33-27	efinition of mr_pd_autoclass_ ,".	detected with "T	_Class_ACS, as		values would not reassign the IDLE after it had been running		s if the state diagram
				TFTD		, <u>.</u>	

C/ 33 SC 33.2.5.12 Yseboodt, Lennart	P 82 Philips	L 6	# 392	CI 33 S Yseboodt, Len	SC 33.2.5.12	P 88 Philips	L 40	# 395
Comment Type TR	Comment Status X		PSE SD	Comment Type		Comment Status D		PSE S
	m_det_pri when this should	be an input to th	e SD.			lass diagram, the state which LCE_RESET_SEC". This is r		
SuggestedRemedy Remove "iclass lim det	_pri <= FALSE" from the sta	ate IDI E PRI		SuggestedRer	nedy			
Proposed Response	Response Status W				ne state to "0 EV1_LCE_4F	CLASS_EV1_LCE_RESET_S PID_SEC".	SEC" to	
TFTD				Proposed Res	ponse	Response Status W		
	ause of the global entry into		people were worried	PROPOSE	ED ACCEPT			
	s should be fixed in a more	proper way.		C/ 33 S	SC 33.2.5.12	P 90	L 1	# 396
C/ 33 SC 33.2.5.12	P 84	L 6	# 393	Yseboodt, Len	nart	Philips		
Yseboodt, Lennart	Philips			Comment Type	e T	Comment Status D		PSE S
Comment Type TR IDLE_SEC sets iclass_l SuggestedRemedy	Comment Status X im_det_sec when this shoul	d be an input to	PSE SD the SD.	careless E	ditor.	t D1.7 was accepted and con ggest an even better remedy I		plemented by our
,	_sec <= FALSE" from the s	tate IDLE_SEC		This comn	nent was abo	out the inrush monitor state di	iagrams causing	undefined behaviour.
Proposed Response TFTD	Response Status W			The monit	or contains a	_UP to POWER_ON contains an arc from the monitor state the ner is not done.		
See 392				SuggestedRer	nedy			
C/ 33 SC 33.2.5.12	P 87	L 40	# 394			MONITOR_INRUSH_PRI to MONITOR_INRUSH_SEC to		
Yseboodt, Lennart	Philips			Rationale:	once we`re	in POWER_UP, the only way	to ever get back	c in that state is
Comment Type E	Comment Status D		PSE SD	through ID				
	ss diagram, the state which CE_RESET_PRI". This is no					s that the global arc into IDLE xes an annoying oscillation o		
SuggestedRemedy				Proposed Res		Response Status W		
Rename the state to "Cl	_ASS_EV1_LCE_RESET_P	RI" to "CLASS_	EV1_LCE_4PID_PRI".	PROPOSE	ED ACCEPT	•		
Proposed Response PROPOSED ACCEPT.	Response Status W							

C/ 33 SC 33.2.6.1 Yseboodt, Lennart	P 91 Philips	L 16	# 397	C/ 33 Yseboodt, Le	SC 33.2.7	P 95 Philips	L 27	# 400
"The connection check requirements in both T	Comment Status D not clear, the SD is either in th is rerun before applying power able 33-8 and 33.2.8.13, power e state diagram reaches the l	er if power up fa er is absent on l	ils to meet the timing	"The mir	ninimum pow imum power PD, or supp	Comment Status D rer but the minimum supported output by the PSE for a partice lying power in 2-pair mode, is	ular PD Class, v	
requirements in both T	is rerun before applying power able 33-8 and 33.2.8.13, power e state diagram is in the IDLE Response Status W	er is absent on I		Change "The mir single-sig Proposed Re PROPOS	o: imum output gnature PD, c			y Equation (33-2)."
				C/ 33 Yseboodt, Le		P 95 Philips	L 42	# 401
C/ 33 SC 33.2.6.4 Yseboodt, Lennart	P 93 Philips	L 31	# 398	Comment Ty		Comment Status D		PSE Class
explain that is about th SuggestedRemedy Change to "Valid PD d Proposed Response PROPOSED ACCEPT		haracteristics, m	neasured at the PSE PI"	"The mir signature SuggestedRe Change "The mir connecte Proposed Re	imum output PD is define emedy to: imum output ed to a dual-s	rer but the minimum supported power on a pairset for Type 3 ad by Equation (33-3)." power a PSE supports on a pair ignature PD is defined by Equa <i>Response Status</i> W T.	and Type 4 PSI	
Cl 33 SC 33.2.6.7 Yseboodt, Lennart	P 94 Philips	L 34	# 399	C/ 33 Yseboodt, Le	SC 33.2.7	P 96 Philips	L 3	# 402
PD_4pair_cand shall h	Comment Status D e variable PD_4pair_cand, de ave a default value of 'FALSE etection signature on both pair D_4pair_cand	', but may be se	et to 'TRUE' if the PSE	Comment Ty Autoclas "If the PI 33C)," SuggestedRe Change	pe E s is not in An D connected t emedy to:	Comment Status D		

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

C/ 33 SC 33.2.7 Yseboodt, Lennart	P 96 Philips	L 4	# 403	CI 33 Yseboodt,	SC 33.2.7 Lennart	Р 96 Philips	L 34	# 406
Comment Type T Not the minimum pov	Comment Status D wer but the minimum supportentits minimum power output base		PSE Class	Comment Maxim	<i>Type</i> E num power availa	Comment Status D able is probably Pclass_PD, tl available to PDs, see Table 3		<i>Editoria</i> 3-24 and 33-25
SuggestedRemedy Change to: ", the PSE may set Proposed Response PROPOSED ACCEP	its minimum supported output <i>Response Status</i> W T.	power based o	n PAutoclass,"	Proposed	ge to: haximum power	available to PDs, see Table 3 Response Status W	3-24 and Table 3	33-25."
C/ 33 SC 33.2.7 Yseboodt, Lennart	P 96 Philips	L 31	# 404	<i>Cl</i> 33 Yseboodt,	SC 33.2.7 Lennart	P 96 Philips	L 43	# 407
	Comment Status D is is in text on line 41 already in aver classification takes preced		Editorial	depen An init	Type 2, Type 3 ding on the Assi ial assigned clas	ss is set up during Physical La	ayer classificatio	n.
Proposed Response PROPOSED ACCEP	Response Status W			the as Suggestee	signed Class 'fo <i>IRemedy</i>	I PSE are able to change the llows' the PSEAllocatedPowe		It makes sense that
C/ 33 SC 33.2.7 Yseboodt, Lennart	P 96 Philips	L 34	# 405	Proposed TFTD	•	Response Status W		
"This is the minimum 2P and maximum Rc Rchan." SuggestedRemedy Change to: "This is the minimum	Comment Status D vrong, should be Equation (33- required power at the PSE PI shan. Use Equation (33-3) for c required power at the PSE PI shan. Use Equation (33-2) for c <i>Response Status</i> W	calculated using ther values of V calculated using calculated using	Port_PSE-2P and	WFP C/ 33 Yseboodt, Comment Wordy "Valid Suggested Chang	<i>Type</i> E /. classification re <i>IRemedy</i> ge to:	P 96 Philips Comment Status D sults are Classes 0 up to and sults are Classes 0 to 4, as lis	Ū ·	
PROPOSED ACCEP	,			Proposed		Response Status W	aed in Table 33-	12.

CI 33 Yseboodt, I	SC 33.2.7 Lennart	P 97 Philips	L 18	# 409	C/ 33 Yseboodt	SC 33.2.7.2 , Lennart	P 99 Philips	L 34	# 411
Comment	Гуре Е	Comment Status D		Editorial	Comment	Type E	Comment Status)	Editorial
Note 1	is redundant, this	s is in text on line 41 already		al Lover elegation "			unneeded references i	n Table 33-15.	
		r classification takes preced	ence over Physic	car Layer classification.	Suggeste	dRemedy			
Suggested	<i>Remeay</i> /e NOTE 1 under	Table 00.40					3.2.7.2" from Additiona		
						16 remove "See 3	3.2.7.2" from Additionation	al information.	
Proposed F PROP	CESPONSE OSED ACCEPT.	Response Status W				12 remove Addit 14 remove Addit			
C/ 33	SC 33.2.7.2	P 98	L 53	# 410	Proposed	Response	Response Status	N	
Yseboodt,		Philips	L 55	# 410	PROF	POSED ACCEPT	IN PRINCIPLE.		
Comment	Туре Е	Comment Status D		PSE Class		11 remove Addit			
		nortened because it describe				12 remove Addit 14 remove Addit	ional information.		
		, MARK_EV1, MARK_EV1_I K_EV2_SEC, MARK_EV3, M			- 110111				
		/_LAST, MARK_EV_LAST_			CI 33	SC 33.2.7.3	P 100	L 42	# 412
		or pairset voltage falls below	w Vclass min an	d end when the PI	Yseboodt	, Lennart	Philips		
0	exceeds Vclass	min.			Comment	Туре Е	Comment Status)	Editorial
Suggested				a sina at u alta na falla		x 33C is not abou		-l "	
		es (MARK_EV_) commence and when the PI voltage exc					ore information on Auto	class."	
Proposed I		Response Status W		-	Suggeste	-			
•	OSED ACCEPT	,				ove sentence.			
-		-			,	Response	Response Status	N	
Should	n't it also end wh	en the pairset voltage falls t	elow Vreset?		PROF	POSED ACCEPT			
TFTD					CI 33	SC 33.2.7.2	P 101	L 1	# 413
					Yseboodt	, Lennart	Philips		
					Comment	Type E	Comment Status)	Editorial
					Table and I	33-14 is located	after Table 33-15. This changes to the text wo	has been pointed ou	t in comments before
					Suggeste	, , , , , , , , , , , , , , , , , , , ,			
					00	,	ering of 33-15 and 33-1	4.	
						Response	Response Status		
					•	POSED ACCEPT	•	-	
					OBE	by 173			
		d ER/editorial required GR/						Comment ID 413	Page 95 of 122

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

C/ 33 SC 33.2.7.3 Yseboodt, Lennart	P 101 Philips	L 38	# 414	C/ 33 SC 33.2.8 Yseboodt, Lennart	P 103 Philips	L 49	# 417
SuggestedRemedy	Comment Status D decimal numbers, use 'dot'. rs in equation 33-4 to dots. <i>Response Status</i> W		Editorial	It is a duplicate of Pcla SuggestedRemedy Remove variable PCon		kt, only a small ex	PSE Power planation on page 115.
PROPOSED ACCEPT I OBE by 255	N PRINCIPLE.			Proposed Response PROPOSED ACCEPT. See 442	Response Status W		
Cl 33 SC 33.2.8 Yseboodt, Lennart	P 102 Philips	L 10	# 415	C/ 33 SC 33.2.8 Yseboodt, Lennart	P 104 Philips	L 21	# 418
Comment Type E In Table 33-17 is column SuggestedRemedy Make column "Min" sma Proposed Response	Comment Status D n "Symbol" too narrow. aller and column "Symbol" lat Response Status W	ger.	Editorial	Comment Type E	Comment Status D both "IHold-2P" and "A" fields	s need to be strad	<i>Editoriai</i> dled down.
PROPOSED ACCEPT.				Proposed Response PROPOSED ACCEPT.	Response Status W		
Cl 33 SC 33.2.8 Yseboodt, Lennart	P 102 Philips	L 15	# 416	C/ 33 SC 33.2.8 Yseboodt, Lennart	P 104 Philips	L 47	# 419
Comment Type E Table 33-17, item 2, "Vo	Comment Status D	should not be.	Editorial	Comment Type E	Comment Status D In Item 23/Additional information	ation (Lunh)	Editorial
SuggestedRemedy Fix. Proposed Response PROPOSED ACCEPT.	Response Status W			SuggestedRemedy	f section 33.2.8.11 which de Response Status W		neter.

Cl 33 SC 33.2 Yseboodt, Lennart	2.8	P 105 Philips	L 12	# 420	C/ 33 Yseboodt,	SC 33.2.8.1	P 105 Philips	L 25	# 422
Comment Type E	Commer	nt Status D		Editorial	Comment		Comment Status D		Editoria
Again too much te parameter.		the "Additional in	formation" cell of	f Table 33-17 for T_ed	"The s Port_F	specification for \	/ Port_PSE-2P in Table 33- he maximum power per the		vith a (I Hold max x V
SuggestedRemedy					or ona				
 Create new subs Content of this s 		.8.13 with name "	Error delay timin	ng".	Can b	e improved by m	oving 'load step' up in the s	entence.	
"T_ed, defined in subsequent powe condition." - Replace Addition	Table 33-17, is the ring of a pairset a	after power remov	al from that pairs	PSE may attempt set because of an error See <new section="" td="" we<=""><td>Hold n</td><td>specification for \</td><td>/ Port_PSE-2P in Table 33- E-2P min) to the maximum ast 15 mA/us."</td><td></td><td></td></new>	Hold n	specification for \	/ Port_PSE-2P in Table 33- E-2P min) to the maximum ast 15 mA/us."		
just made>".					Proposed	Response	Response Status W		
Proposed Response		e Status W			PROP	POSED ACCEPT			
PROPOSED ACC	JEPT.				CI 33	SC 33.2.8.1	P 105	L 27	# 423
C/ 33 SC 33.2	2.8	P 105	L 20	# 421	Yseboodt,	, Lennart	Philips		
		Philips			Comment	Type E	Comment Status D		Editoria
Yseboodt, Lennart		•			Common				
	Commer	nt Status D		Editorial		51	s as a result of load changes	s up to 35 mA/ms	shall be limited to 3.5
Comment Type E "Unbalance at Cla Class 5 for Type 3	ass 4 is not restric 3 and Type 4 PSE	nt Status D cted. The ILIM-2P Es operating in4-p	0		"The v V/ms i	voltage transients	s as a result of load changes	s up to 35 mA/ms	s shall be limited to 3.5
Comment Type E "Unbalance at Cla Class 5 for Type 3 missing space be	ass 4 is not restric 3 and Type 4 PSE	nt Status D cted. The ILIM-2P Es operating in4-p	0		"The v V/ms i	voltage transients max." vord max is redur	s as a result of load changes	s up to 35 mA/ms	shall be limited to 3.5
Comment Type E "Unbalance at Cla Class 5 for Type 3 missing space be	ass 4 is not restric 3 and Type 4 PSE etween "in" and "4 ass 4 is not restric	nt Status D cted. The ILIM-2P Es operating in4-p -pair". cted. The ILIM-2P	pair mode." ? value is higher t	than the value for	"The v V/ms i The w Suggested Chang	voltage transients max." vord max is redur dRemedy ge to: voltage transients	s as a result of load changes		
Comment Type E "Unbalance at Cla Class 5 for Type 3 missing space be SuggestedRemedy "Unbalance at Cla Class 5 for Type 3	ass 4 is not restric 3 and Type 4 PSE atween "in" and "4 ass 4 is not restric 3 and Type 4 PSE	nt Status D ted. The ILIM-2P Es operating in4-p -pair". ted. The ILIM-2P Es operating in 4-	pair mode." ? value is higher t	than the value for	"The v V/ms i The w Suggestec Chang "The v V/ms."	voltage transients max." vord max is redur dRemedy ge to: voltage transients	s as a result of load changes ndant. s as a result of load changes		
Comment Type E "Unbalance at Cla Class 5 for Type 3 missing space be SuggestedRemedy "Unbalance at Cla Class 5 for Type 3	ass 4 is not restric 3 and Type 4 PSE etween "in" and "4 ass 4 is not restric 3 and Type 4 PSE Response	nt Status D cted. The ILIM-2P Es operating in4-p -pair". cted. The ILIM-2P	pair mode." ? value is higher t	than the value for	"The v V/ms i The w Suggested Chang "The v V/ms." Proposed	voltage transients max." /ord max is redur <i>dRemedy</i> ge to: voltage transients "	s as a result of load changes ndant. s as a result of load changes <i>Response Status</i> W		
Comment Type E "Unbalance at Cla Class 5 for Type 3 missing space be SuggestedRemedy "Unbalance at Cla Class 5 for Type 3 Proposed Response	ass 4 is not restric 3 and Type 4 PSE etween "in" and "4 ass 4 is not restric 3 and Type 4 PSE Response	nt Status D ted. The ILIM-2P Es operating in4-p -pair". ted. The ILIM-2P Es operating in 4-	pair mode." ? value is higher t	than the value for	"The v V/ms i The w Suggested Chang "The v V/ms." Proposed	voltage transients max." vord max is redur dRemedy ge to: voltage transients " Response POSED ACCEPT SC 33.2.8.4	s as a result of load changes ndant. s as a result of load changes <i>Response Status</i> W		
"Unbalance at Cla Class 5 for Type 3 missing space be SuggestedRemedy "Unbalance at Cla Class 5 for Type 3 Proposed Response	ass 4 is not restric 3 and Type 4 PSE etween "in" and "4 ass 4 is not restric 3 and Type 4 PSE Response	nt Status D ted. The ILIM-2P Es operating in4-p -pair". ted. The ILIM-2P Es operating in 4-	pair mode." ? value is higher t	than the value for	"The v V/ms i The w Suggested Chang "The v V/ms." Proposed PROP C/ 33 Yseboodt, Comment	voltage transients max." vord max is redur dRemedy ge to: voltage transients " Response POSED ACCEPT SC 33.2.8.4 , Lennart Type E	s as a result of load changes ndant. s as a result of load changes <i>Response Status</i> W <i>P</i> 106	s up to 35 mA/ms	s shall be limited to 3.5
Comment Type E "Unbalance at Cla Class 5 for Type 3 missing space be SuggestedRemedy "Unbalance at Cla Class 5 for Type 3 Proposed Response	ass 4 is not restric 3 and Type 4 PSE etween "in" and "4 ass 4 is not restric 3 and Type 4 PSE Response	nt Status D ted. The ILIM-2P Es operating in4-p -pair". ted. The ILIM-2P Es operating in 4-	pair mode." ? value is higher t	than the value for	"The v V/ms i The w Suggested Chang "The v V/ms." Proposed PROP C/ 33 Yseboodt, Comment "For T	voltage transients max." vord max is redur dRemedy ge to: voltage transients " Response POSED ACCEPT SC 33.2.8.4 , Lennart Type E	s as a result of load changes indant. s as a result of load changes <i>Response Status</i> W c <i>P</i> 106 Philips <i>Comment Status</i> D	s up to 35 mA/ms	s shall be limited to 3.5 # 424
Comment Type E "Unbalance at Cla Class 5 for Type 3 missing space be SuggestedRemedy "Unbalance at Cla Class 5 for Type 3 Proposed Response	ass 4 is not restric 3 and Type 4 PSE etween "in" and "4 ass 4 is not restric 3 and Type 4 PSE Response	nt Status D ted. The ILIM-2P Es operating in4-p -pair". ted. The ILIM-2P Es operating in 4-	pair mode." ? value is higher t	than the value for	"The v V/ms i The w Suggested Chang "The v V/ms." Proposed PROP C/ 33 Yseboodt, Comment "For T Missin Suggested	voltage transients max." vord max is redur dRemedy ge to: voltage transients " Response POSED ACCEPT SC 33.2.8.4 , Lennart Type E Type 3 and Type ng PSEs. dRemedy	s as a result of load changes indant. s as a result of load changes <i>Response Status</i> W c <i>P</i> 106 Philips <i>Comment Status</i> D	s up to 35 mA/ms	s shall be limited to 3.5 # 424

C/ 33 SC 33.2.8.4 P 106 L 27 # 425 Yseboodt, Lennart Philips	C/ 33 SC 33.2.8.4 P 107 L 34 # 427 Yseboodt, Lennart Philips
Comment Type TR Comment Status D PSE Power We need to define "Iport" as the total current a Type 3 or 4 PSE sources on the PI because this parameter is used in Figures 33-28 and 33-29.	Comment Type E Comment Status D Editoria Do not use commas in decimal numbers in equation 33-11, use dot point. SuggestedRemedy
SuggestedRemedy - Append new Equation after (33-6) which says: IPort = IPort-2P + IPort-2P-other Append the following at page 106, line 12	Change commas in decimal numbers to dots in equation 33-11. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
 Append the following at page 106, line 13 ", IPort is the total current on both pairs with the same polarity and is defined in Equation (33-XX)." 	OBE by 255
Proposed Response Response Status W PROPOSED ACCEPT.	C/ 33 SC 33.2.8.4.1 P 108 L 35 # 428 Yseboodt, Lennart Philips
C/ 33 SC 33.2.8.4 P 107 L 8 # 426 Yseboodt, Lennart Philips	Comment Type E Comment Status D Editorial "For channels with common mode pair resistance lower than 0.1, see Annex 33B." Reference can be more specific. Editorial
Comment Type ER Comment Status D Editorial "In addition to I Con-2P as specified in Equation (33-7), the PSE shall support the AC current waveform parameters I Peak-2P , while within the operating voltage range of V Port_PSE-2P :	SuggestedRemedy Change to: "For channels with common mode pair resistance lower than 0.1, see Annex 33B.4." Proposed Response Response Status W
I Peak , I Peak-2P-unb , and I Peak-2P minimum for T CUT-2P minimum and 5 % duty cycle minimum, where"	PROPOSED ACCEPT. C/ 33 SC 33.2.8.4.1 P 108 L 41 # 429
Super weird construction carried over (and made worse) from legacy text.	Yseboodt, Lennart Philips
SuggestedRemedy "The PSE shall support the AC current waveform parameter IPeak-2P, while within the operating voltage range of V Port_PSE-2P, for a minimum of TCUT-2P and at least 5% duty cycle."	Comment Type E Comment Status D Editorial Do not use commas in decimal numbers in equation 33-14, use dot point. SuggestedRemedy Charge comments in decimal numbers to detail a superior 22.14
Then, move equation 33-13 (Ipeak-2P) to right after this sentence.	Change commas in decimal numbers to dots in equation 33-14. Proposed Response Response Status W
Swap the order of the paragraph that starts with "IPeak is the total" and Equation 33-9.	PROPOSED ACCEPT IN PRINCIPLE.
Proposed Response Response Status W PROPOSED ACCEPT.	OBE by 255

C/ 33 SC 33.2.8.5 Yseboodt, Lennart	P 109 Philips	L 43	# 430	C/ 33 SC 33.2.8 Yseboodt, Lennart	.5.1 <i>P</i> 110 Philips	L 28	# 433
Comment Type E	Comment Status D decimal numbers in equation	22.15 use det	Editorial	Comment Type E	Comment Status D	ower than defined	Editoria
SuggestedRemedy	decimal numbers in equation	1 33-15 , use doi	point.	successfully power			
Change commas in dec	cimal numbers to dots in equ	ation 33-15.		Repeats	arge part of previous sentence.		
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE.			SuggestedRemedy "Such a PSE shalls	successfully power up"		
OBE by 255				Proposed Response PROPOSED REJE	Response Status W		
C/ 33 SC 33.2.8.5.1 Yseboodt, Lennart	Philips	L 20	# 431		plements" part of the sentenc to class 5 DS PDs or only thos		
Comment Type E "Such a PSE that imple successfully power up	Comment Status D ements a minimum I Inrush k "	ower than defined	<i>Editorial</i> d in Table 33-17 shall	TFTD C/ 33 SC 33.2.8	.6 <i>P</i> 110	L 36	# 434
Repeats larg	e part of previous sentence.			Yseboodt, Lennart	Philips	L 30	# 434
SuggestedRemedy "Such a PSE shall succ Proposed Response PROPOSED REJECT.	Response Status W			CUT-2P , Type 1 ar current supplied on	Comment Status D at supplied by the PSE to the PI ad Type 2 PSEs may remove po a pairset by the PSE to the PI, ad Type 4 PSEs may remove po	ower from the PI. exceeds I CUT-2	If I Port-2P , the P for longer than T
	ments…" part of the sentenc ass 7 and 8 PDs or only those			think is stable, we c exists for Type 1/2)	and forth a lot on the naming c an merge these sentences. (An		
C/ 33 SC 33.2.8.5.1 Yseboodt, Lennart	I P 110 Philips	L 23	# 432		rrent supplied on a pairset by th 2P, PSEs may remove power fr		exceeds I CUT-2P for
<i>Comment Type</i> E "T_Inrush-2p"	Comment Status D		Editorial	Proposed Response PROPOSED ACCE	Response Status W PT.		
SuggestedRemedy Capitilize "-2P"							
Proposed Response PROPOSED ACCEPT.	Response Status W						

CI 33 SC 33 Yseboodt, Lennart	3.2.8.7	P 111 Philips	L 28	# 435	C/ 33 SC 33.2 Yseboodt, Lennart	.8.7 <i>P</i> 112 Philips	L 40	# 438
Comment Type ILIMmin variable		Comment Status D ation are obsolete, this is n ILIM-2P_min is used.	ot used anymore.	PSE Power	Comment Type E	Comment Status D as in decimal numbers in equatio	n 33-17 and 33-1	<i>Editorial</i> 8 , use dot point.
SuggestedRemedy Remove ILIMmi		n 33-16.			Change commas	in decimal numbers to dots in equ	uation 33-17 and	33-18.
Proposed Response PROPOSED RI	e EJECT.	Response Status W			Proposed Response PROPOSED ACC OBE by 255	Response Status W EPT IN PRINCIPLE.		
ILIM_min is use	ed on the i	right axis of Figures 33-28 a	ind 33-29.		C/ 33 SC 33.2 Yseboodt, Lennart	.8.7 <i>P</i> 113 Philips	L 34	# 439
CI 33 SC 33 Yseboodt, Lennart	3.2.8.7	P 111 Philips	L 30	# 436	Comment Type E Do not use comm	Comment Status D as in decimal numbers in equatio	n 33-19 , use dot	<i>Editorial</i> t point.
		Comment Status D ecimal numbers in equation	33-16 , use dot p	<i>Editorial</i> oint.	SuggestedRemedy Change commas Proposed Response	in decimal numbers to dots in equ Response Status W	uation 33-19.	
Change comma Proposed Response PROPOSED A0	е	nal numbers to dots in equa <i>Response Status</i> W I PRINCIPLE.	ation 33-16.		PROPOSED ACC OBE by 255	EPT IN PRINCIPLE.		
OBE by 255					C/ 33 SC 33.2 Yseboodt, Lennart	.8.7 <i>P</i> 113 Philips	L 35	# 440
C/ 33 SC 33 Yseboodt, Lennart	3.2.8.7	P 112 Philips	L 39	# 437	Comment Type E Underline under IF	Comment Status D PSEUT_Type4-2P in equation 33-	-19.	Editorial
51	E r IPSEUT	Comment Status D -2P and IPSEUT_Type3-2P	in equation 33-1	<i>Editorial</i> 7 and 33-18.	SuggestedRemedy Remove underline			
SuggestedRemedy Remove underli					Proposed Response PROPOSED ACC	Response Status W EPT IN PRINCIPLE.		
Proposed Response PROPOSED AG		Response Status W I PRINCIPLE.			OBE by 179			
OBE by 179								

C/ 33 SC 33.2. Yseboodt, Lennart	8.8 P 114 Philips	L 44	# 441	C/ 33 Yseboodt, Le	SC 33.2.8.13	P 115 Philips	L 52	# 444
Comment Type T	Comment Status D		PSE Power	Comment Ty	pe E	Comment Status D		Editorial
"The PSE remains below V Off max."	in the IDLE state as long as the	average voltage	across the pairset is			s, when connected to a sing n T pon after completing de		
Or in the DISABLE	D state			SuggestedRe	emedy			
SuggestedRemedy	b state					s, when connected to a sing n T pon after completing de		
	in the IDLE or DISABLED state v V Off max."	as long as the a	verage voltage across	Proposed Re	sponse	Response Status W		last pailset.
Proposed Response	Response Status W			PROPOS	SED ACCEPT.			
PROPOSED ACC	EPT.			C/ 33	SC 33.2.9	P 116	L 20	# 445
	0.40 D.445	L 10	# [110]	Yseboodt, Le	nnart	Philips		
C/ 33 SC 33.2. Yseboodt, Lennart	8.10 <i>P</i> 115 Philips	<i>L</i> 10	# 442	Comment Ty	be E nex 33C" refers	Comment Status D		Editorial
Comment Type TR	Comment Status D					to Autoclass.		
	r the range of V Port_PSE-2P d veraged using any sliding windo			SuggestedRe Remove	emedy sentence.			
This is the only pla	ce where Pcon is used. We can	simplify it to Pcla	ass and Pclass-2P.	Proposed Re	<i>sponse</i> SED ACCEPT.	Response Status W		
SuggestedRemedy				PROPUS	SED ACCEPT.			
	s-2P are valid over the range of ould be averaged using any slidi				SC 33.2.10	P 116	L 28	# 446
Proposed Response	Response Status W			Yseboodt, Le		Philips		
PROPOSED ACC	EPT.			Comment Ty		Comment Status D e 33-23 show the PSE mon	itor stato diagran	Editorial
See 417				4 PSEs."	d to mention Fi		itor state diagram	iis ior Type 5 and Type
CI 33 SC 33.2.	8.12 P 115	L 34	# 443	SuggestedRe		-		
Yseboodt, Lennart	Philips			0	3-21, Figure 33 nd Type 4 PSE	-22, and Figure 33-23 show	the PSE monito	or state diagrams for
Comment Type E	Comment Status D		Editorial	Proposed Re		Response Status W		
	as in decimal numbers in equation	n 33-23 , use do	t point.		SED ACCEPT.			
SuggestedRemedy Change commas i	n decimal numbers to dots in eq	uation 33-23.						
Proposed Response PROPOSED ACC	Response Status W EPT IN 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: Comment ID

Comment ID 446

seboodt, Lennart	.1.2 <i>P</i> 118 Philips	L 26	# 447	C/ 33 Yseboodt, L	SC 33.3.2 _ennart	P 120 Philips	L 22	# 450
Comment Type TR	Comment Status D		PSE MPS	Comment T	ype E	Comment Status D		Editoria
1. A PSE powering a 2. A Type 3 or Type 4	ements, there are 3 "blocks" o PD over a single pairset 4 PSE powering a single-signat 4 PSE powering a dual-signat	ature PD over bot	h pairsets	33.2.6.7	1."	as single-signature or dua	C C	fined in 1.4 and
3.	being powered over 2P by a T	Type 3/4 PSE wou	ıld fall both under 1 and	Suggested "PDs ca 33.3.5."	an be constructed a	as single-signature or dua	l-signature as de	fined in 1.4 and
	Type 4 PSE powering a dual -signature PD over both pairs		"A Type 3 or Type 4	Proposed F		Response Status W PRINCIPLE.		
Proposed Response PROPOSED ACCEP	Response Status W			OBE by	/ 516			
7 33 SC 33.2.10	.1.2 <i>P</i> 118	L 32	# 448	C/ 33 Yseboodt, L	SC 33.3.3.4 _ennart	P 123 Philips	L 13	# 451
•	Philips <i>Comment Status</i> D ments, the list on "A PSE pow	vering a PD over a	PSE MPS a single pairset" makes		ELAY_COMMENT		a mara than inv	PD SE
reference to Iport. IPort is a 4P parame	er, hence it should be IPort-2	P.				he Type 2 PD from drawir T delay in Table 33-28."	ig more than inft	ish current during the
SuggestedRemedy Replace (3x) IPort by	IPort-2P.			SuggestedF Change	R <i>emedy</i> e Tdelay to Tdelay-	2P		
Proposed Response PROPOSED ACCEP	Response Status W T.			Proposed F PROPC	Response DSED ACCEPT.	Response Status W		
C/ 33 SC 33.2.10 Seboodt, Lennart	.1.2 P 118 Philips	L 42	# 449	C/ 33 Yseboodt, L	SC 33.3.3.5	P 124 Philips	L 54	# 452
	Comment Status D ments, the list on "A Type 3 o			Comment 7 We use		Comment Status D es below Figure 33-31 (the	e Type 1/2 PD sta	PD SL ate diagram).
of the same polarity".	th pairsets" uses the construc		nt-2P of both pairsets	Suggestedl	2	TEs after Figure 33-31:		
Also known as IPo	t.			"NOTE		VENT3 creates a defined	behavior for a Ty	pe 2 PD that is brought
SuggestedRemedy Replace "the sum of	I Port-2P of both pairsets of th	ne same polarity"	by "IPort" (3x)	signatu		e is no requirement for a l ASS_EVENT duration less		
Proposed Response	Response Status W			33-28." Proposed F	Response	Response Status W		
PROPOSED ACCEP	Т.			•	DSED ACCEPT.			

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

8/31/2016 3:48:51 PM

C/ 33 SC 33.3.3.8 Yseboodt, Lennart	B P 127 Philips	L 39	# 453	C/ 33 SC 33.3.3.12 Yseboodt, Lennart	P 130 Philips	L 44	# 456
Comment Type E	Comment Status D		PD SD	Comment Type TR	Comment Status D		PD SD
See TDELAY_COMM			PD 3D		te diagram has two variabl	es pd_dll_enabled	-
	ent Type 3 PDs from drawing ore than Class 2 power during			Doesn`t make sense, DLI work by Mode.	₋ can only be enabled or d	isabled for a comp	olete PD, this doesn`t
SuggestedRemedy	bic 33 20.			SuggestedRemedy			
Change Tdelay to Td	elav-2P			 Merge both into pd_dll_e Rename all instances of 	pd dll enabled modeA a	nd pd dll enabled	d modeB to
Proposed Response	Response Status W			pd_dll_enabled in the dua			
PROPOSED ACCEP	•			Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🛛 🖉		
				PROPOSED ACCEPT.			
OBE by 517				TFTD (needs review)			
C/ 33 SC 33.3.3.	10 P 129	L 1	# 454		D (00	1.00	"
Yseboodt, Lennart	Philips			C/ 33 SC 33.3.3.12	P 132 Philips	L 32	# 457
Comment Type T	Comment Status X		Pres: Yseboodt3	Yseboodt, Lennart	•		
	ication is mismatched betwee d accurate inrush text in 33.3			Comment Type T present_det_sig_modeA:	Comment Status D		PD SD
SuggestedRemedy					etection signature (see 33. etection signature is to be		
Adopt yseboodt_03_	0916_pdinrushsd.pdf			regardless of any voltage	above V Reset applied to	Mode B.	
Proposed Response	Response Status W				n signature is to be applied voltage above V Reset ap		each pairset over
TFTD							
WFP				The detection behaviour f duplicate that but with diff	or dual-sig PDs is already ering details.	defined in 33.3.4.	These descriptions
C/ 33 SC 33.3.3.	0 P 129	L 45	# 455	SuggestedRemedy			
Yseboodt, Lennart	Philips			present_det_sig_modeA:	ataatian ainaatuwa ia ta ka	enelie die dee lieb	aver Maria A
Comment Type E	Comment Status D		Editorial		etection signature is to be n signature is to be applied		
	S_EVENT6 creates a defined	l behavior for a Ty	vpe 2, Type 3 and Type	Mode A.	5		
	nto the classification range re			Proposed Response	Response Status W		
This note is attached to Type 2.	to the new state diagram for	Type 3/4 and as s	such no longer applies	PROPOSED ACCEPT IN	PRINCIPLE.		
SuggestedRemedy				Replace with:			
"NOTE 1DO_CLAS	S_EVENT6 creates a defined assification range repeatedly.		vpe 3 or Type 4 PD that		etection signature is to be		
Proposed Response	Response Status W			Valid:A valid PD detection	on signature is to be applie	d to the link over l	Mode A.
PROPOSED ACCEP	•						
TYPE: TR/technical requ	red ER/editorial required GF			general ritten C/closed U/unsatisfied Z/v		ent ID 457	Page 103 of 12 8/31/2016 3:48

C/ 33 SC 33.3.3.12	P 132	L 40	# 458	C/ 33 SC 33	.3.8.3	P 149	L 30	# 460		
/seboodt, Lennart	Philips			Yseboodt, Lennart		Philips				
present_det_sig_modeB: Controls presenting the detect invalid:A non-valid PD detect regardless of any voltage abo valid:A valid PD detection si	tion signature is to be we V Reset applied to gnature is to be applied	applied to the line Mode B. d to the link over	k over Mode B each pairset over	Comment Type TR Comment Status D PD Pow "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, ar met." Very true, but also redundant to the requirement a few paragraphs above:						
Mode B regardless of any vol The detection behaviour for d duplicate that but with differin	ual-sig PDs is already			 "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. 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. 						
SuggestedRemedy present_det_sig_modeB: invalid:A non-valid PD detec valid:A valid PD detection si Mode B.										
Proposed Response Res PROPOSED ACCEPT IN PR Replace with:	ponse Status W INCIPLE.									
present_det_sig_modeB: invalid:A non-valid PD detec valid:A valid PD detection si				C/ 33 SC 33 Yseboodt, Lennart	.3.8.4	P 150 Philips	L 43	# [461		
C/ 33 SC 33.3.3.14	P 134 Philips	L 15	# 459	In equation 33-2		Comment Status D ximum power, P Class_PD n	nax, as defined	PD Powe		
Yseboodt, Lennart				PClass_PD is a single value, not a range. Remove 'max' Also wrong table reference.						
Comment Type E Col do_class_timing_modeA retu		s".	PD SD				max'			
Comment Type E Con do_class_timing_modeA retu This needs to be handled on a SuggestedRemedy	rns variable "short_mp a per pairset basis.			Also wrong table SuggestedRemedy	e referer			able 33-24		
Comment Type E Con do_class_timing_modeA retu This needs to be handled on SuggestedRemedy Rename "short_mps" to "shou diagram.	rns variable "short_mp a per pairset basis.			Also wrong table SuggestedRemedy	e referer the mains	nce.		ble 33-24		

CI 33 SC 33 Yseboodt, Lennart	3.3.8.4.1	P 150 Philips	L 50	# 462	Cl 33 SC 33.3.8.5 Yseboodt, Lennart	P 153 Philips	L 1	# 465
51	E ak operatir	<i>Comment Status</i> D ng power for certain Class 6 a	nd Class 8 PD	Editorial s"	Comment Type E Figure 33-39 is clipped	Comment Status D I a bit on the top.		Editoria
While technical sounding head		, the word 'certain' causes this	to be a very o	odd and unsure	SuggestedRemedy Unclip.			
SuggestedRemedy	,				Proposed Response	Response Status W		
"33.3.8.4.1 Pea	ak operatii	ng power for Class 6 and Clas	s 8 PDs"		PROPOSED ACCEPT			
Proposed Respons PROPOSED A		Response Status W			C/ 33 SC 33.3.8.6 Yseboodt, Lennart	P 153 Philips	L 44	# 466
C/ 33 SC 3:	3.3.8.5	P 152	L 10	# 463	Comment Type E	Comment Status D		Editorial
Yseboodt, Lennart		Philips				of 33.3.8.6 is hard to read a	s it lists a bunch	of different cases in
Comment Type	TR	Comment Status D		PD Power	consequetive sentence It does not lend itself to			
	is the pea	ak operating power, Ppeak_PI imum power, P Class_PD ma				in the second paragraph, this	s makes is visual	ly easier to parse.
PClass_PD is a Ditto for PPeak Also wrong tabl	_PD.	alue, not a range. Remove 'ma ce.	x'		Proposed Response PROPOSED ACCEPT	Response Status W		
28	is the ma	ximum peak operating power, imum power, P Class_PD, as	-					
Proposed Respons PROPOSED A		Response Status W						
CI 33 SC 33 Yseboodt, Lennart	3.3.8.5	P 152 Philips	L 43	# 464				
51	E ariable list,	Comment Status D we have a non-subscript "-2F	ш	Editorial				
SuggestedRemedy Fix.	,							
Proposed Respons PROPOSED A		Response Status W						

C/ 33 SC 33.3.8.9 Yseboodt, Lennart	P 155 Philips	L 24	# 467	C/ 33 SC 33.3.9 Yseboodt, Lennart	P 157 Philips	L 1	# 469			
conductors of either Mo	Comment Status D max is applied across the PI ode A or Mode B according to her Mode with a 100 kOhm lo in Table 33-28."	o Table 33-19, th	e voltage measured	See Annex 33F for PD design guidelines for MPS behavior. <i>SuggestedRemedy</i> This Annex does not exist, and likely never will. Remove sentence.						
This 'shall' only applies exist. SuggestedRemedy	when precisely 57.0V is app	lied. In essence	, the shall does not	Proposed Response PROPOSED ACCEI Cl 33 SC 33.3.9 Yseboodt, Lennart	Response Status W PT. P157 Philips	L 16	# 470			
polarity specified " or	ween 0V and V_Port_PD-2P			Comment Type TR Comment Status X PD M. There is a interoperability issue for dual-signature PDs connected to Type 1/2 PSEs. The lport_mps-2P is 8mA (min) for the PD, but can be up to 10mA for the PSE.						
"When V_Port_PD-2P Proposed Response PROPOSED ACCEPT. TFTD	is applied across the PI at eit <i>Response Status</i> W	ther polarity spec	cified "	Complex: Change Ta	ble 33-30, IPort_MPS-2P to 0. able 33-30, such that dependin he current is 8mA or 10mA Response Status W		modeA and			
Cl 33 SC 33.3.8.10 Yseboodt, Lennart	P 155 Philips	L 33	# 468	TFTD						
Comment Type ER Wrong reference to Fig	Comment Status D 33-39, should be 33-40.		Editorial	my vote: change to 10mA						
SuggestedRemedy Replace on line 33 and	l on line 40.									
Proposed Response PROPOSED ACCEPT.	Response Status W									

C/ 33 SC 33.3.9 Yseboodt, Lennart	P 157 Philips	L 31	# 471	C/ 33 SC 33.4.4 Yseboodt, Lennart	P 161 Philips	L 34	# 473			
Comment Type E "Such a PD should Maintain Power Sig	Comment Status D increase its I Port min or make on nature."	other such provis	<i>Editorial</i> sions to meet the	Comment Type ER Comment Status D Editoria Table 33-33 uses "," rather than "." as the decimal point.						
SuggestedRemedy	3-30. Should also refer to IPort-		other such provisions to	SuggestedRemedy Fix. Proposed Response PROPOSED ACCE	Response Status W					
(Did I get the comm (Did Response	Power Signature."	I min or make (OBE by 255		L 9	# 474			
PROPOSED ACCE	PT IN PRINCIPLE.	^o min or make o	ther such provisions to	Yseboodt, Lennart <i>Comment Type</i> ER "Table 33-35Spec	Philips <i>Comment Status</i> D ifications for cables in Midspan	PSEs"	Editorial			
I don't believe any o C/ 33 SC 33.4.3 Yseboodt, Lennart	commas are needed. B P 160 Philips	L 10	# [472	The cables are not located inside the Midspans. SuggestedRemedy Table 33-35Cable specifications for use with Midspan PSEs Proposed Response Response Status W						
Comment Type ER Table 33-32 uses ", SuggestedRemedy	Comment Status D	point.	Editorial	PROPOSED ACCE C/ 33 SC 33.6.3	PT.	L 19	# 475			
Fix. Proposed Response PROPOSED ACCE	Response Status W			different for Type 1/						
OBE by 255				variable that is caus SuggestedRemedy	void splitting the DLL state diagr ing trouble, we should initialize _0916_pseinitialvalue.pdf Response Status W					
				TFTD						

C/ 33 Yseboodt,	SC 33.6.5 Lennart	P 186 Philips	L 4	# 476	<i>CI</i> 79 Yseboodt,	SC 79.3.2.6 , Lennart	b.3	P 216 Philips	L 37	# 478		
Comment Type TR Comment Status X Pres: Yseboodt1 DLL Autoclass section is missing content. SuggestedRemedy SuggestedRemedy SuggestedRemedy						Comment TypeTComment StatusDLLDFThe PD PI bit in the System setup field is not in line with the classification scheme we have. For single-signature PDs, the communicated Class is for the entire PD. For dual-signature PDs, the communicated Class on a pairset is for that pairset.LLDF						
Adopt	yseboodt_01_0	916_dllautoclass.pdf				bit seems to indic				that panset.		
Proposed I TFTD	Response	Response Status W			Suggestee TFTD	•						
WFP					Unles	s we can give m	eaning to this I	oit, we should r	remove it.			
<i>Cl</i> 79 Yseboodt,	SC 79.3.2.6t	b.2 P 216 Philips	,	Response POSED ACCEP1	Response - IN PRINCIPL							
Comment	Туре Т	Comment Status D		LLDP	OBE by 320							
simulta To be o actually Suggested	neous or not. consistent with 3 y set this. <i>Remedy</i> d:	s a PD to indicate if it suppor 33.2.6.7 we should indicate th	Cl 79 SC 79.3.7.2 P 221 L 44 # 479 Yseboodt, Lennart Philips Philips Philips Comment Type E Comment Status D E Table 79-6g, for Current measurement. Improper capitalization of IPORT and IPORT-2P Improve the status Improve									
after:		to '1' when the power type is to 0 when the power type is I		/pe 4 PD."	Suggestee Fix.	dRemedy						
Proposed Response Response Status W PROPOSED ACCEPT.					•	Response POSED ACCEPT	Response -	Status W				
					CI A33C Yseboodt,	SC A33C , Lennart		P 241 Philips	L 1	# 480		
							Comment Type ER Comment Status D Editor Page 1 of accepted baseline lukacs_01_0516_timings_baseline_rev5.pdf was not implemented in D1.8.					
					Suggestee Imple	dRemedy ment page 1 of l	ukacs_01_051	6_timings_bas	eline_rev5.pdf			
					,	Response	Response -	Status W				

C/ FM SC FM Yseboodt, Lennart	P 11 Philips	L 54	# 481	C/ 1 SC 1.4 Stover, David	.415	P 20 Linear Techno	L 31 blogy	# 483
Comment Type E	Comment Status D		Editorial	Comment Type E	Commen	t Status D	0,	Editorial
We`re at D2.0 and I an document right!	n getting *so* close to getting	all the headers	and footers in the		ss 6 signature" I uence of class eve		draft, the conve	ntion is "Class X" when
Unfortunately the table	of contents still reads "Copy	riaht (c) 201x IEE	E."	SuggestedRemedy				
SuggestedRemedy Change to "Copyright (0 ()		Change lines 31, Class X signature				
Proposed Response	Response Status W			to Class X				
PROPOSED ACCEPT				Proposed Response	Response	Status W		
C/ 1 SC 1.4.313a	P 20	L 24	# 482	PROPOSED RE	JECT.			
Stover, David	Linear Techno	ology		l am not sure l u	nderstand the distir	nction. These se	entences are refe	erring to class
			— <i>u</i> , <i>i</i> , <i>i</i> ,	cianoturo durina	nhuaiaal lawar alaa		oro o hit difforo	nt fram narmal
"pairset: Either of the ty	Comment Status D wo valid 4-wire connections a sted in 33.2.4; be more explic		<i>Editorial</i> 802.3, 33.2.4". There	references to Cla	physical layer class iss.	sincation so they	are a bit differen	nt irom normal
"pairset: Either of the tw are four connections lis SuggestedRemedy Change	wo valid 4-wire connections a	sit.	802.3, 33.2.4". There	references to Cla	SS.	P 20 Linear Techno	L 37	# <u>484</u>
"pairset: Either of the tw are four connections lis SuggestedRemedy Change Either of the two valid 4 to	wo valid 4-wire connections a sted in 33.2.4; be more explic	iit. n IEEE 802.3, 33	802.3, 33.2.4". There	references to Cla TFTD C/ 1 SC 1.4 Stover, David Comment Type E	418a	P 20 Linear Techno t Status D	L 37 blogy	# 484 Editorial
"pairset: Either of the tw are four connections lis <i>SuggestedRemedy</i> Change Either of the two valid 4 to Either Alternative A or 4	wo valid 4-wire connections a sted in 33.2.4; be more explic 4-wire connections as listed in	iit. n IEEE 802.3, 33	802.3, 33.2.4". There	references to Cla TFTD C/ 1 SC 1.4 Stover, David Comment Type E	418a Commen	P 20 Linear Techno t Status D	L 37 blogy	# 484 Editorial
"pairset: Either of the tw are four connections lis <i>SuggestedRemedy</i> Change Either of the two valid 4 to	wo valid 4-wire connections a sted in 33.2.4; be more explic 4-wire connections as listed in Alternative B as described in <i>Response Status</i> W	iit. n IEEE 802.3, 33	802.3, 33.2.4". There	references to Cla TFTD Cl 1 SC 1.4 Stover, David Comment Type E "multiple-Even	.418a Commen t classification" (P 20 Linear Techno t Status D	L 37 blogy	# 484 Editorial
"pairset: Either of the tw are four connections lis SuggestedRemedy Change Either of the two valid 4 to Either Alternative A or A Proposed Response	wo valid 4-wire connections a sted in 33.2.4; be more explic 4-wire connections as listed in Alternative B as described in <i>Response Status</i> W	iit. n IEEE 802.3, 33	802.3, 33.2.4". There	references to Cla TFTD Cl 1 SC 1.4 Stover, David Comment Type E "multiple-Event SuggestedRemedy Change lines 37, multiple-Event	.418a Commen t classification" (P 20 Linear Techno t Status D	L 37 blogy	# 484 Editorial
"pairset: Either of the tw are four connections lis SuggestedRemedy Change Either of the two valid 4 to Either Alternative A or A Proposed Response PROPOSED ACCEPT Change to:	wo valid 4-wire connections a sted in 33.2.4; be more explic 4-wire connections as listed in Alternative B as described in <i>Response Status</i> W	it. n IEEE 802.3, 33 IEEE 802.3, 33.	802.3, 33.2.4". There	references to Cla TFTD Cl 1 SC 1.4 Stover, David Comment Type E "multiple-Even SuggestedRemedy Change lines 37,	.418a Commen t classification" (P 20 Linear Techno t Status D	L 37 blogy	# 484 Editorial

C/ 30 SC 30.9.1.1.7 P 29 L 23 # 485 Stover, David Linear Technology Linear Technology Linear Technology	C/ 30 SC 30.9.1.1.9 P 29 L 47 # [487] Stover, David Linear Technology
Comment Type T Comment Status D Managemen	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.	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	SuggestedRemedy
Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Invalid Signature bit specified in 33.5.1.2.6.;	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	to
If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Invalid Signature bit specified in 33.5.1.2.6 changes from FALSE to TRUE.	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 Response Response Status W
PROPOSED ACCEPT.	PROPOSED ACCEPT.
TFTD (need an expert)	TFTD (need an expert)
Note: legacy text	Note: legacy text
C/ 30 SC 30.9.1.1.8 P 29 L 35 # 486 Stover, David Linear Technology Linear Technology	C/ 30 SC 30.9.1.1.10 P 30 L 5 # 488 Stover, David Linear Technology
Comment Type T Comment Status D Managemen	
The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.	The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.
SuggestedRemedy	SuggestedRemedy
Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Power Denied bit specified in 33.5.1.2.4.;	Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.;
to	to
If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Power Denied bit specified in 33.5.1.2.4 changes from FALSE to TRUE.;	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 Response Response Status W
PROPOSED ACCEPT.	PROPOSED ACCEPT.
TFTD (need an expert)	TFTD (need an expert)
Note: legacy text	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: Comment ID

C/ 30 SC 30.9.1.1.11 P 30 L 17 # 489	Cl 33 SC 33.1 P 41 L 22 # 491
Stover, David Linear Technology	Stover, David Linear Technology
Comment Type T Comment Status D Management	Comment Type E Comment Status D Editorial
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.	"b) The characteristics of a powered device's load on the power source and the structured cabling"
SuggestedRemedy	Why is there a non-standard capitalization and why is the just defined PD acronym not used?
Change	
If a Clause 22 MII or Clause 35 GMII is present, then this will map to the MPS Absent bit specified in 33.5.1.2.9.;	Why is the term device used instead of PD?
specified in 55.5.1.2.8.,	SuggestedRemedy
to If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the MPS Absent bit specified in 33.5.1.2.9 changes from FALSE to TRUE.;	Change b) The characteristics of a powered device's load on the power source and the structured cabling
Proposed Response Response Status W PROPOSED ACCEPT.	 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
TFTD (need an expert)	and allocate power
Note: legacy text	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
CI 30 SC 30.12.2.1.14 P 35 L 4 # 490 Stover, David Linear Technology Linear Technology	 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
Comment Type T Comment Status X Management "aLldpXdot3LocPowerType" There is no value for Type 3 or Type 4.	Proposed Response Response Status W PROPOSED ACCEPT.
SuggestedRemedy Add values for Type 3 and Type 4. I'm honestly not sure what the encoding should be for this clause. Make change to p35, L4 and p38, L50	

Proposed Response Response Status W

TFTD (no remedy suggested)

C/ 33 Stover, Davi	SC 33.1.3 id	P 44 Linear Techn	L 1 ology	# 492		C/ 33 Stover, Dav	SC 33.2.1 /id	P 45 Linear	L 14 Technology	# 493	
stating t Furtherr actually Then the "The cal clause u Therefor the cabl RChan i RChan i	t carefully distir this clause uses more the resista the round trip p e text refers to ble references uses "DC pair lo re, RCh is relat le references. is the actual DC has a maximun 2P is the actua	the wrong one use "DC loop resistance," wh pop resistance," which refers ted to, but not equivalent to, the C loop resistance between the n value of RCh/2 when opera	e. n from the PSE F nich refers to a si to a pair of cond the "DC loop resi ating in 4-pair mo rset from the vie	C pair loop resistan PI to the PD PI. It i ingle conductor. T luctors in parallel. istance" called out and the PI of the F ode.	is 'his t in PD.	A note Suggested Add Note "1 Note b 1 Spec Proposed F PROPO	inge of maximu would help. Remedy " symbol after f elow Table 33-2 ifies the smalles Response DSED REJECT ent 11 adds a n	st of the range of class Response Status	s very confusing. ss supported column values that a PSE mu N sification section and	heading ust support.	ditorial
and the <i>uggestedR</i> Change	Remedy	-2P has a maximum value of	RCh."			TFTD					
RChan i RChan I RChan-i and the RChan-i to RChan i PD and pair moo RChan-i PI and t RChan-i PI and t	is the actual DC has a maximun 2P is the actua PD PI. 2P has a maxir is the actual DC back to the PS de. 2P is the actua he PD PI. 2P has a maxir	C loop resistance between th n value of RCh/2 when opera I DC loop resistance of a pai mum value of RCh. C loop pair resistance betwee E PI. RChan has a maximur I DC loop pair resistance of a mum value of RCh. <i>Response Status</i> W	ating in 4-pair mo rset from the vie en the PI of the F n value of RCh/2	nde. wpoint of the PSE PSE and the PI of when operating in	EPI the n 4-	Alterna Suggested Chang Alterna to Various Proposed P PROPO	Type E scription of End tives. Remedy te A and Alterna s Endpoints PSI Response DSED ACCEPT e to:	P 45 Linear Comment Status I appoint and Midspan PSE ative B Endpoints PSEs Es and Midspan PSEs <i>Response Status</i> I IN PRINCIPLE.	E locations does not in s and Midspan PSEs N	nclude 4-pair	ditorial
OMMENT		ed ER/editorial required GR spatched A/accepted R/reje ID					U/unsatisfied		Comment ID 494	Page 112 8/31/2016	

C/ 33 SC 33.2.3	P 45	L 44	# 495		C 33.2.5.1		P 54	L 18	# 497
Stover, David	Linear Techr	nology		Stover, David		Lir	near Techr	nology	
Comment Type E	Comment Status X		Editorial	Comment Type	Е	Comment Stat	us D		Editoria
The entire section ca variants.	lled Midspan PSE variants is	not updated to de	escribe the 4-pair	the multiplic				description instead uld be done for the	of state name due to power on and up
SuggestedRemedy				states.					
Either delete all the te	ext from 33.2.3 (not the figure	s).		SuggestedRem	edy				
Move Figures 33-4 th	ru 33-11 to 33.2.2.			Change POWER_U	P and POV	VER_ON			
or				to					
Add paragraphs to 33	3.2.3 describing the 4-pair Mid	lspan variants.		Power Up a	and Power (On			
Move Figures 33-4 th	ru 33-7 up to section 33.2.2.			Proposed Resp	onse	Response Stat	us W		
Proposed Response	Response Status W			PROPOSE	D ACCEPT	,			
TFTD									
C/ 33 SC 33.2.4	P 53	L 37	# 400		C 33.2.5.9		P 67	L 35	# 498
			# 496	Stover, David		Lir	near Techr	nology	
Stover, David	Linear Techr	lology		Comment Type	т	Comment Stat	us D		PSE SI
Comment Type T	Comment Status X		Cabling	"highest_2F	P" is defined	d but never used.			
What does this mean transmit pair of the P	I? "Therefore, Alternative A m SE "	atches the positi	ve voltage to the	SuggestedRem	edv				
transmit pair of the P	JE.			Delete	,				
	pidirectional traffic on all lanes	s. Thus the refere	enced statement is at	highest 2P					
best imprecise.				0 –		hich of the pairset	s has the h	nighest current.	
SuggestedRemedy				Values	0	·		0	
Delete						tive has the highe ernative has the hi			
"Therefore, Alternativ	e A matches the positive volta	age to the transm	it pair of the PSE."				0	ciit.	
Proposed Response	Response Status W			Proposed Resp		Response Stat	us W		
, TFTD (not sure what	,			PROPOSE	DACCEPT	IN PRINCIPLE.			
v	/			OBSE by 3	F F				

C/ 33 SC 33.2.5.9	P 70	L 8	# 499	CI 33 SC 3	3.2.5.11	P 75	L 7	# 501
Stover, David	Linear Techn	ology		Stover, David		Linear Tech	nology	
Comment Type E	Comment Status D		PSE SD	Comment Type	E Com	ment Status D		Editorial
	ue to ping-pong on subsequen t text implies it will never chan			as such.		s with _done suffixe	es. Only function	references are treated
SuggestedRemedy				SuggestedRemedy				
Change				Change Functions appe	ended with " don	e" indicate that the	function has com	pleted
5	es between 'a' and 'b' until a f	irst valid detecti	on.					
to TRUE: alt_pri alterna	es between 'a' and 'b'.			to Function refere Proposed Respons		with "_done" indicat	te that the functio	on has completed
Proposed Response PROPOSED ACCEP	Response Status W			PROPOSED A				
	0.70		" [200	CI 33 SC 3	3.2.5.11	P 75	L 9	# 502
C/ 33 SC 33.2.5.9 Stover, David	P 72 Linear Techn	L 44	# 500	Stover, David		Linear Tech	nology	
		ology	505.05	Comment Type	E Com	ment Status D		Editorial
Comment Type T	Comment Status X		PSE SD	"This functions	returns" There	e can be only one d	o_autoclassificat	ion function.
The class_num_even definitions.	ts_pri and _sec to not match t	he available end	codings for the variable	SuggestedRemedy Change				
Legal values for pri/se	ec are 1,2, 4			This functions i	returns			
SuggestedRemedy				to				
Change Table 33-7 T 1.2.4	ype 3 row, _pri_sec column to			This function re				
Proposed Response TFTD (See 240)	Response Status W			Proposed Respons PROPOSED A		onse Status W		

C/ 33 SC 33.2.5.11	P 75	L 11	# 503	C/ 33	SC 33.2.5.	11	P 75	L 12	# 504
Stover, David	Linear Techn	nology		Stover, Da			Linear Techn	ology	
Comment Type T Co The pd_autoclass term is ne detected variable name is m SuggestedRemedy Remove pd_autoclass: This variable is Layer classification.	issing an underscore.			<i>Suggested</i> Chang True w to	when a class s <i>IRemedy</i> le when a class sig	Comment ignature if '0' is gnature if '0' is c ature '0' is dete	detected" Ty	ιpo.	Editoria
pd_autoclass is set to True window, as defined in Table 33–27, otherwise it is set to I Values: FALSE: The PD does not rea TRUE: The PD requests Aut	False. quest Autoclass.	if '0' is detected	during the TACS	Proposed	Response OSED ACCEF	e OBE by anoth <i>Response</i> S T IN PRINCIPL	Status W	ssification comm	ent.
Change mr_pd_autoclass detected: to mr_pd_autoclass_detected:				C/ 33 Stover, Da Comment		11 Comment	P 75 Linear Techn Status D	L 41 nology	# <u>505</u> PSE SL
Proposed Response Res	sponse Status 🛛 🛛 🛛 🛛 🛛 🖉			do_cla	ss_reset shou	ld be split into p	ri and sec vers	ions.	
PROPOSED ACCEPT IN PF Change mr_pd_autoclass detected: to mr_pd_autoclass_detected:	RINCIPLE.			This fu	e ss_reset inction produce	es the classifica urn any variable		ge; See VReset	in Table 33–15. This
Remove pd_autoclass variat	ble and its instance in t	the state diagran	n (class_ev1_lce).	This fu VRese do_cla This fu	et in Table 33– ss_reset_sec inction produce	15. This functior	n does not retu tion reset volta	rn any variables.	y Alternative; See dary Alternative; See
				Proposed PROP	Response OSED ACCEF	Response S PT.	Status W		

C/ 33 SC 33.2.5.11 Stover, David	P 77 Linear Techno	L 13 logy	# 506	<i>Cl</i> 33 Stover, Da	SC 33.2.7.3 avid	P 101 Linear Techr	L 38 nology	# 509
Comment Type ER Enumeration of pd_rec	Comment Status D q_pwr_sec is 0-4, should be 1-	5 (as pd_req_p	PSE SD owr_pri).	<i>Comment</i> Some		Comment Status D	; instead, use do	Editorial
SuggestedRemedy Change enumeration c	of pd_req_pwr_sec to 1-5.				ce comma with c	lot for decimal marks in affec 7, 33-18, 33-19, 33-23, 33-32		
Proposed Response PROPOSED ACCEPT	Response Status W			1, 79-		d Tables (33-32, 33-33). <i>Response Status</i> W	2, 33-34, 33-33, 4	33-30, 33-37, 33-30, 79-
C/ 33 SC 33.2.6.1 Stover, David	P 90 Linear Techno	L 36 logy	# 507	-	POSED ACCEPT	,		
Comment Type T "During connection che	Comment Status D eck, the PSE shall determine i if the pairsets are connected	f both pairsets		C/ 33 Stover, Da	SC 33.2.8 avid	P 104 Linear Techr	L 49 nology	# 510
single-signature PD or to	ck, the PSE shall determine if if the pairsets are connected	to a dual-signa	ture PD.	For hi induct Suggestee	bair current unba gher Class PDs, ance requiremer <i>IRemedy</i> . Especially looki	Comment Status X ance I_unb is specified as 3 this may preclude low-speed its on those magnetics. ng for opinions from magnet Response Status W	d data implement	tations due to higher
a single-signature PD o segment.	ck, the PSE shall determine if or if a per-pairset detection is			TFTD <i>CI</i> 33	as requested SC 33.2.8.4	P 106	L 40	# 511
Proposed Response PROPOSED ACCEPT	Response Status W			Stover, Da Comment		Linear Techr Comment Status D	nology	Editoria
SuggestedRemedy	P 101 Linear Techno Comment Status D and 33-15 are jumbled. e 33-14 precedes Table 33-15 Reasona Status W		# <u>508</u> Editorial	is defi variab Suggested Repla "I_Con Proposed	ned in equation 3 le descriptions re <i>IRemedy</i> ce reference to T	al current a PSE is able to s 33-8, not in Table 33-17. Fur adundantly references I_Con fable 33-17 with Equation 33 juation (33-8)." in paragraph <i>Response Status</i> W	thermore, the pa :: "I_Con is define -8 in definition of	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence
PROPOSED ACCEPT	Response Status W			-		able 33-17 with Equation 33	-8 in definition of	f I_Con.
OBE by 173				All oth	er parameters a	re defined in the normal text	(not equation de	finitions).

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

Comment ID 511

Page 116 of 122 8/31/2016 3:48:52 PM

C/ 33 SC 33.2.8. Stover, David	.4 P 108 Linear Techr	L 21 nology	# 512	C/ 33 S Stover, David	C 33.2.8.11	P 115 Linear Techno	L 23 logy	# 515
Comment Type ER	Comment Status D		Editorial	Comment Type	E	Comment Status D		Editorial
"P_Peak_PD-2P is t anywhere (captured SuggestedRemedy	the total peak power see Tab in another comment), but if it v	vle 33-25". P_Pea vere, it would live	k_PD-2P is not defined in Table 33-28.		nts of 25.4.5	nitter in a Type 2, Type 3 and in the presence of (I_unb / 2)		
Correct reference to	Table 33-28			SuggestedRem	nedy			
Proposed Response	Response Status W			•		0BASE-TX transmitter in a Ty juirements of 25.4.5 in the pre		, , , , , , , , , , , , , , , , , , ,
PROPOSED ACCEI	רז			Proposed Resp	oonse	Response Status W		
CI 33 SC 33.2.8	.4.1 <i>P</i> 108	L 40	# 513	PROPOSE	D ACCEPT	IN PRINCIPLE.		
Stover, David Comment Type TR	Linear Techr Comment Status X	lology	Pres: Stover1			0BASE-TX transmitter in a Ty nents of 25.4.5 in the presenc		
R_PSE min and R_I	PSE max place restrictions on the spirit of these variables is to		he PI, precluding PSE	CI 33 S	C 33.3.2	P 120	L 20	# 516
for system unbalanc	ce requirements. However, the	variables are redu	undant to (and, for	Stover, David		Linear Techno	logy	
some valid operating	g parameters, in conflict with) the	he existing unbala	ance ratios implicit to	Comment Type	E	Comment Status D		Editorial
SuggestedRemedy	_010.			Reference signature F		does not define or describe ho	ow to construct	a single- or dual-
See stover_01_0916	δ.pdf			SuggestedRem	nedy			
Proposed Response	Response Status W			Replace re	ference to 3	3.2.6.1 with reference to 33.3	.5 (PD Signatu	re).
TFTD				Proposed Resp	oonse	Response Status W		
WFP				PROPOSE	D ACCEPT.			
CI 33 SC 33.2.8	.7 P 113	L 12	# 514	C/ 33 S	C 33.3.3.8	P 127	L 37	# 517
Stover, David	Linear Techr	lology		Stover, David		Linear Techno	logy	
Comment Type TR	Comment Status X		Pres: Stover2	Comment Type	TR	Comment Status D		PD SD
I_PSEUT for Type 3 PDs.	3, Type 4 PSEs may cause inte	roperability issue	s with Type 1, Type 2			3.8.3 clarify PD input inrush re updated to match these clarif		efinition of
				SuggestedRem	nedy			
				Replace de	finition of tp	owerdly_timer as follows: "A t		
	δ.pdf							
SuggestedRemedy See stover_02_0916	6.pdf Response Status W							uring the PSE's inrush
SuggestedRemedy See stover_02_0916	•				e T_delay ar	nd T_delay-2P in Table 33-28.		uring the PSE's inrush
SuggestedRemedy See stover_02_0916 Proposed Response	•			period; See Proposed Resp	e T_delay ar oonse			uring the PSE's inrush
SuggestedRemedy See stover_02_0916 Proposed Response TFTD	•			period; See Proposed Resp PROPOSE Replace de 4 PDs from	e T_delay ar ponse D ACCEPT efinition of tp drawing mo	d T_delay-2P in Table 33-28. Response Status W	imer used to p	revent Type 3 and Type

SORT ORDER: Comment ID

Stover, Da	SC 33.3.5 avid	P 140 Linear Techno	L 45 blogy	# 518	CI 33 Stover, David	SC 33.3.7	P 145 Linear Techno	L 5 blogy	# 521
Comment	Туре Т	Comment Status D		PD Signatures	Comment Ty	pe TR	Comment Status X	0.	Pres: Yseboodt4
Conne	ection check requ	uirements for single-signature	PDs are specifi	ied asymettrically.			e_power_level to '1' when the		
Suggested Apper		ext to "A single-signature PD s	shall present"	paragraph: "A single-	Type 2 P	Ds do not ha	e 3 and Type 4 PD reset pse_ ve a defined variable named p to (TFTD) why do we have two	se_power_type	, which IS set to 1 in
signat	ture PD shall pres	sent a valid detection signatur	re on Mode B, w	when no voltage is	SuggestedRe			pee_penei_/au	
	,	d shall present an invalid dete / and 57V is applied to Mode /	0	on Mode B, when any	Replace	text with "Typ	e 1 and Type 2 PDs reset the	pse_power_typ	e to '1' when the PD
Proposed	Response	Response Status W			enters th	e DO_DETE(CTION state. Type 3 and Type the DO_DETECTION state."	4 PDs reset the	e pse_power_level to '3'
PROF	POSED ACCEPT	IN PRINCIPLE.			Proposed Re		Response Status W		
OBE I	by 370				TFTD	oponeo			
CI 33	SC 33.3.6.2	P 142	L 43	# 519	WFP				
Stover, Da	avid	Linear Techno	ology		C/ 33	SC 33.3.8	P 146	L 8	# 522
Comment	Туре Т	Comment Status X		PDClass	Stover, David	1	Linear Techno	ology	
	R_Chan (max),	n 33-2. Specifically, P_Class ir and P_Class_PD (min).	n 33-2 is ~89.5V	V with V_Port_PSE	Comment Ty "PD Type Class 8.		Comment Status D signature PD, Class 0 to 6 is "/	All"; Type 4 PDs	PD Types can only be Class 7 or
00	-	se P_Class_PD for single-sigr	nature Class 8 F	PDs from 71.0W to	SuggestedRe	2			
71.3W	V.	0 0			Replace	"All" in PD Ty	/pe column for Single-signatur	e PD, Class 0 to	o 6 with "1, 2, 3"
71.3W	Response	Response Status W			Proposed Re		Response Status W	e PD, Class 0 to	o 6 with "1, 2, 3"
71.3W <i>Proposed</i> TFTD It was	Response	oint and we decided to just rou	und it off to 71W		Proposed Re	SED ACCEPT	Response Status W	L 25	5 6 with "1, 2, 3" # <u>523</u>
71.3W Proposed TFTD It was to goin	Response 71.3W at one pong back to 71.3W SC 33.3.6.2	oint and we decided to just rou	L1		Proposed Re PROPOS CI 33 Stover, David Comment Ty	sponse SED ACCEPT SC 33.3.8 I pe ER	Response Status W	L 25 blogy	# <u>523</u> PD Power
71.3W Proposed TFTD It was to goin C/ 33 Stover, Da	Response 71.3W at one poing back to 71.3W SC 33.3.6.2 avid	oint and we decided to just roo V? P 143	L1	/. Does anyone object	Proposed Re PROPOS CI 33 Stover, David Comment Ty	SED ACCEPT SC 33.3.8 pe ER column for d	Response Status W P 146 Linear Techno Comment Status D	L 25 blogy	# <u>523</u> PD Power
71.3W Proposed TFTD It was to goin C/ 33 Stover, Da Comment For du P_Cla	Response 71.3W at one poing back to 71.3W SC 33.3.6.2 avid Type T ual-signature Clauss as calculated	oint and we decided to just rou V? P 143 Linear Techno Comment Status X ss 5 PDs, P_Class as defined by Equation 33-2. Specifically	L 1 blogy d in Table 33-12 y, P_Class in 33	/. Does anyone object # <u>520</u> <i>PD Power</i> does not match	Proposed Re PROPOS Cl 33 Stover, David Comment Ty PD Type SuggestedRe Replace	SED ACCEPT SC 33.3.8 pe ER column for di emedy PD Type colu	Response Status W P 146 Linear Techno Comment Status D	L 25 blogy h_PD-2P is inc	# <u>523</u> PD Power orrect.
71.3W Proposed TFTD It was to goin C/ 33 Stover, Da Comment For du P_Cla V_Poi	Response 71.3W at one pong back to 71.3W SC 33.3.62 avid Type T ual-signature Clauss as calculated rt_PSE (min), R_	oint and we decided to just rou V? P 143 Linear Techno Comment Status X ss 5 PDs, P_Class as defined	L 1 blogy d in Table 33-12 y, P_Class in 33	/. Does anyone object # <u>520</u> <i>PD Power</i> does not match	Proposed Re PROPOS Cl 33 Stover, David Comment Ty PD Type SuggestedRe Replace	SED ACCEPT SC 33.3.8 pe ER column for d emedy PD Type colu PD, Class 5	Response Status W P 146 Linear Techno Comment Status D ual-signature entries in I_Inrus umn for "Dual-signature PD, Ci	L 25 blogy h_PD-2P is inc	# <u>523</u> PD Power orrect.
71.3W Proposed TFTD It was to goin C/ 33 Stover, Da Comment For du P_Cla V_Poi	Response 71.3W at one poing back to 71.3W SC 33.3.6.2 avid Type T ual-signature Clauss as calculated rt_PSE (min), R_ dRemedy	oint and we decided to just rou V? P 143 Linear Techno <i>Comment Status</i> X ss 5 PDs, P_Class as defined by Equation 33-2. Specifically Chan (max), and P_Class_Pt	L 1 blogy d in Table 33-12 y, P_Class in 33 D (min).	/. Does anyone object # 520 PD Power does not match 3-2 is ~44.8W with	Proposed Re PROPOS Cl 33 Stover, David Comment Ty PD Type SuggestedRe Replace signature Proposed Re	SED ACCEPT SC 33.3.8 pe ER column for di emedy PD Type colu PD, Class 5 sponse	Response Status W P 146 Linear Techno Comment Status D ual-signature entries in I_Inrus umn for "Dual-signature PD, Cl " with "4" (is blank).	L 25 blogy h_PD-2P is inc	# <u>523</u> PD Power orrect.
71.3W Proposed TFTD It was to goin C/ 33 Stover, Da Comment For du P_Cla V_Poi Suggested	Response 71.3W at one poing back to 71.3W SC 33.3.6.2 avid Type T ual-signature Clauss as calculated rt_PSE (min), R_ dRemedy ble 33-25, increase	oint and we decided to just rou V? P 143 Linear Techno Comment Status X ss 5 PDs, P_Class as defined by Equation 33-2. Specifically	L 1 blogy d in Table 33-12 y, P_Class in 33 D (min).	/. Does anyone object # 520 PD Power does not match 3-2 is ~44.8W with	Proposed Re PROPOS Cl 33 Stover, David Comment Ty PD Type SuggestedRe Replace signature Proposed Re PROPOS	SED ACCEPT SC 33.3.8 pe ER column for di emedy PD Type colu PD, Class 5 sponse SED ACCEPT	Response Status W P 146 Linear Techno Comment Status D ual-signature entries in I_Inrus umn for "Dual-signature PD, Cl " with "4" (is blank). Response Status W T IN PRINCIPLE.	L 25 blogy h_PD-2P is inc ass 1 to 4" with	# <u>523</u> PD Power orrect. "3" (is 4); for "Dual-
71.3W Proposed TFTD It was to goin C/ 33 Stover, Da Comment For du P_Cla V_Poi Suggested In Tab 35.6W	Response 71.3W at one poing back to 71.3W SC 33.3.6.2 avid Type T ual-signature Clauss as calculated rt_PSE (min), R_ dRemedy ble 33-25, increase	oint and we decided to just rou V? P 143 Linear Techno <i>Comment Status</i> X ss 5 PDs, P_Class as defined by Equation 33-2. Specifically Chan (max), and P_Class_Pt	L 1 blogy d in Table 33-12 y, P_Class in 33 D (min).	/. Does anyone object # 520 PD Power does not match 3-2 is ~44.8W with	Proposed Re PROPOS Cl 33 Stover, David Comment Ty PD Type SuggestedRe Replace signature Proposed Re PROPOS Replace	Sponse SED ACCEPT SC 33.3.8 pe ER column for di emedy PD Type colu PD Type colu SED ACCEPT PD Type colu	Response Status W P 146 Linear Techno Comment Status D ual-signature entries in I_Inrus umn for "Dual-signature PD, Cl " with "4" (is blank). Response Status W	L 25 blogy h_PD-2P is inc ass 1 to 4" with	# <u>523</u> PD Power orrect. "3" (is 4); for "Dual-
71.3W Proposed TFTD It was to goin C/ 33 Stover, Da Comment For du P_Cla V_Poi Suggested In Tab 35.6W	Response 71.3W at one poing back to 71.3W SC 33.3.6.2 avid Type T ual-signature Clauss as calculated rt_PSE (min), R_ dRemedy ble 33-25, increas V. Response	oint and we decided to just rou <i>P</i> 143 Linear Techno <i>Comment Status</i> X ss 5 PDs, P_Class as defined by Equation 33-2. Specifically Chan (max), and P_Class_PI se P_Class_PD for dual-signa	L 1 blogy d in Table 33-12 y, P_Class in 33 D (min).	/. Does anyone object # 520 PD Power does not match 3-2 is ~44.8W with	Proposed Re PROPOS Cl 33 Stover, David Comment Ty PD Type SuggestedRe Replace signature Proposed Re PROPOS Replace signature	SED ACCEPT SC 33.3.8 pe ER column for di emedy PD Type colu PD, Class 5 SED ACCEPT PD Type colu PD, Class 5	Response Status W Γ. P 146 Linear Techno Comment Status D ual-signature entries in I_Inrus umn for "Dual-signature PD, Cl " with "4" (is blank). Response Status W Γ IN PRINCIPLE. umn for "Dual-signature PD, Cl	L 25 blogy h_PD-2P is incl ass 1 to 4" with ass 1 to 4" with	# <u>523</u> <i>PD Power</i> orrect. "3" (is 4); for "Dual- "3" (is 4); for "Dual-

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

C/ 33 SC 33.3.8 Stover, David	P 146 Linear Techno	L 44 blogy	# 524	C/ 33 Stover, Da	SC 33.3.8.5 avid	P 151 Linear Techr	L 21 nology	# 527
SuggestedRemedy Define P_Peak_PD-2P (1	Comment Status X section 33.3.8.5, which ref TFTD). Response Status W	erences this tab	<i>PD Power</i> ble) is missing.	33-28 entrie Suggester Globa	n the input voltag " V_Port_PD in T s in the text that i dRemedy	Comment Status D e at the PI is static and in th able 33-28 has changed to ' need changed to reflect this. ace V_Port_PD with V_Port_ Response Status W	V_Port_PD-2P. ⁻	
Cl 33 SC 33.3.8.4 Stover, David Comment Type ER	P 150 Linear Techno Comment Status D	L 43 blogy	# <u>525</u> Editorial	PROF C/ 33 Stover, Da	SC 33.3.8.10	<i>P</i> 155	L 34	# 528
SuggestedRemedy Correct reference to Tabl	Response Status W	s_PD is define	d in Table 33-24.	Comment "an Actua Suggestee	<i>Type</i> ER d R_source_min lly, Figure 33-40. d <i>Remedy</i>	Linear Techr <i>Comment Status</i> D is in the range of 0.168ohm pplace reference to Figure 33	to 5.28ohm as s	, , , , , , , , , , , , , , , , , , ,
OBE by 461 C/ 33 SC 33.3.8.5 Stover, David	P 151 Linear Techno	L 21 blogy	# 526	PROF	Response POSED ACCEPT by 468	Response Status W IN PRINCIPLE.		
Comment Type E Current slew rate is redur	Comment Status D Indantly defined here and T	able 33-28, Iten	<i>Editorial</i> n 11.	C/ 33 Stover, Da	SC 33.4.5 avid	P 163 Linear Techr	L 48 hology	# 529
0 ,	33-28, Item 11. Reference Response Status W	e this symbol in	33.3.8.5.	4. Suggestee Corre Proposed	AC voltage can b	Response Status W	ply (Table 33-17,	Editorial item 3)". Actually, item

	SC 33A.4	P 233	L 34	# 530	CI 33	SC 33.1	P 41	L 15	# 533
Stover, David		Linear Techno	logy		Booth, Brad	ł	Microsoft		
Comment Type	e E	Comment Status D		Editorial	Comment T	Гуре Е	Comment Status X		Editoria
spelled out SuggestedRen Replace "1 Proposed Resp PROPOSE	t, rather than <i>nedy</i> 100 milliohm" <i>bonse</i> ED ACCEPT I	milliohm or" This is one of using the standard symbol. with "0.1 Ω " on P233, L34 an <i>Response Status</i> W N PRINCIPLE.			statem publish in the a Suggested Delete Proposed F	ent for any cla ed as a stand- amendment pro <i>Remedy</i> the sentence. <i>Response</i>	clause uses several terms definuse in the 802.3 standard or dranone amendment, readers of povides all the definitions of the Response Status W	aft standard. If t	his specification is t may assume that 1.4
OBE by 73	3				IFID (legacy text)			
CI 33A S Stover, David	SC 33A.4	P 234 Linear Techno	L 36 logy	# 531	C/ 33 Flatman, A	SC 33.1.3 Ian	P 43 LAN Technolo	L 47 Daies	# 534
SuggestedRen Relabel R2 Proposed Resp	<i>nedy</i> 2 to "R_pair_F	"R_pair_PD_max" and "R_pa PD_min" and R3 to "R_pair_f <i>Response Status</i> W		e jumbled.	equival is comp <i>Suggested</i> Add ref	ent, ISO/IEC T blete. <i>Remedy</i> ference to ISO	3-1 refers to TIA TSB-184-A. It TR 29125 Edition 2, which is ex /IEC TR 29125 Edition 2.		
					Proposed F	•	Response Status W		
C/ 33B Stover, David	SC 33B	P 237 Linear Techno	L 15 logy	# 532					"
compliant of	ls for derivation	Comment Status X on of R_load_max and R_loa PD effective resistances, can			CI 33 Flatman, Al Comment T	Гуре Е	P 166 LAN Technolo Comment Status D and "cross connect models" a	0	# <u>535</u> Editoria
SuggestedRen	nedy	01. If not, TFTD what to do v	<i>i</i> ith Annex 33D		version	of ISO/IEC 11 3 which is cur	1801: Edition 2.1 2008 but will l rently at DIS stage.		

CI 33 SC 33.4.9.1 P1 Flatman, Alan LAN	68 L 9 Fechnologies	# 536	C/ 1 SC 1.4.425 Thompson, Geoff	P 21 GraCaSI S.A.	L 3	# 539
Comment Type E Comment Status ISO/IEC 11801: 2002 does not include cab type in this subclause. Cabling for 10GBAS 2008 and will be contained in ISO/IEC 1180 SuggestedRemedy change reference to ISO/IEC 11801: Edition Proposed Response Response Status PROPOSED ACCEPT.	ing for 10GBASE-T whic E-T is included in ISO/IE 1: Edition 3 which is cur 0 2.1 2008 or ISO/IEC 1	EC 11801: Edition 2.1 rrently at DIS stage.	Comment Type ER This is a parameter, no SuggestedRemedy Move to clause 33 Proposed Response TFTD This is legacy text	Comment Status X ot a term. As such, it definition b Response Status W	elongs in cl	<i>Editorial</i> ause 33, not clause 1
C/ 33 SC 33.4.9.1.4 P1 Flatman, Alan LAN	70 L 22 Fechnologies	# 537	C/ 1 SC 1.4.426 Thompson, Geoff	P 21 GraCaSI S.A.	L 7	# 540
Comment Type E Comment Status ISO/IEC 11801: 2002 does not include 1000 subclause. 10GBASE-T cords are included contained in ISO/IEC 11801: Edition 3 which SuggestedRemedy change reference to ISO/IEC 11801: Edition subclause. Proposed Response Response Status PROPOSED ACCEPT. Response Status	BASE-T cords which are in ISO/IEC 11801: Edition in is currently at DIS stage in 2.1 2008 or ISO/IEC 1	on 2.1 2008 and will be ge.	Comment Type ER This is a parameter, n SuggestedRemedy Move to clause 33 Proposed Response TFTD This is legacy text	Comment Status X ot a term. As such, it definition b Response Status W	elongs in cl	Editorial ause 33, not clause 1
Cl 33 SC 33.7 P1 Goergen, Joel Cisco		# 538	C/ 33 SC 33.1 Thompson, Geoff	P 41 GraCaSI S.A.	L 1	# 541
Comment Type T Comment Status See George Zimmerman comments - need SuggestedRemedy See George Zimmerman comments - need Proposed Response Response Status TFTD	s environmental and saf		Comment Type ER Maintenance Request SuggestedRemedy Implement Maintenand Proposed Response PROPOSED ACCEPT	Response Status W		Maintenance
I do not see any comments from George th	at cover this. Is there a	presentation?	OBE by 5			

C/ 79 S	SC 79.1	P 208	L 5	# 542
McClellan, Bre	ett	Marvel		
Comment Typ	e ER	Comment Status D		Editorial

Clause 79 contains sections unchanged from the base standard. They should not be included within this amendment.

SuggestedRemedy

Remove sections 79.1 to 79.2. Section 73.1 remove the unchanged text and unchanged rows in Table 79-1. Remove sections 79.3.1 to 79.3.1.4. Section 79.3.2 remove the unchanged text. Section 79.3.2.1 remove the unchanged text and unchanged rows in Table 79-3 and insert editing instructions for 79-3. In section 79.3.2.2 provide editing instructions. Remove sections 79.3.2.3, 79.3.2.4 and Table 79-4. Remove sections 79.3.2.4.2 to 79.3.2.4.3. Sections 79.3.2.5 and 79.3.2.6 remove the unchanged text. Remove 79.3.2.7.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

OBE by 124