C/ 1	SC 1.4.324	P18	L12	# 4	Cl 33 SC 33.1.3	P 21	L 38	# 6
Thompson	, Geoff	GraCaSI S.A.			Thompson, Geoff	GraCaSI S.A.		
Comment The de 145.	51	Comment Status A the 2018 published standard	doesn't includ	Definitions e a reference to clause	Comment Type TR Circular reference	Comment Status A		Definitions
Suggestea	-	ext in the referenced clause fro	m: "(antianal)		SuggestedRemedy Change "406" to "308"	or (preferably to "link section".		
		nal per IEEE Std 802.3, Claus			Response	Response Status C		
Response		Response Status C			ACCEPT IN PRINCIPI	.E.		
ACCE	PT.				This sentence is referr	ing to the PI which is defined in	1.4.406 in the	e 2018 standard.
CI 33 Thompson	SC 33	P 19 GraCaSI S.A.	L 4	# 3	Change sentence to:			
Std 80	that draft is drav	Comment Status A vn from IEEE Std 802.3-2018. published amendments. In par 18.				he mechanical and electrical intro- owered Device (PD) and the tra		
S <i>uggestea</i> Reforn		nd rest the baseline draft to the	e current state	e of the standard.				
Response		Response Status C						
	je all reference to dments.	the base standard to latest ap	oproved stand	ard including				
(Heade	er of Clause 33 is	s wrong)						
C/ 33 Thompson	SC 33.1 , Geoff	P 19 GraCaSI S.A.	L15	# 5				
Comment Clause pair.	51	Comment Status A ently restrict the scope to the a	ictual scope o	<i>Editorial</i> f the clause, i.e. multi-				
	e: "for deploym	nent over balanced twisted-pair over multiple pair balanced twis		ng."				
Response ACCE		Response Status C	·	-				

Pa **21** Li **38**

C/ 33SC 33.2.4.7P35HHajduczenia, MarekCharter Communication	-1 # 2	C/ 33 SC 33.2.7.8 Yseboodt, Lennart	P 50 Signify	L 53	# 7
Comment Type TR Comment Status R Figure 33–9—PSE state diagram does not contain state E ERROR_DELAY_SHORT, but instead ERROR_DELAY or 2015, and 2012 editions of the standard. The state "ERROR" ERROR_DELAY_SHORT" were present in 2008 edition b associated text has never been updated accordingly. Note that the changes needed are in Clause 30, which is * now	nly. The problem exists in 2018 PR_DELAY_OVER" and ut merged thereafter, but the	This makes no sense.	Comment Status A if time has this to say: the IDLE state as long as the a if this were true the state dia in IDLE is required to be less th	agram would be	
SuggestedRemedy In 30.9.1.1.9, change: "This counter is incremented when the PSE state diagram ERROR_DELAY_OVER." to:	Response ACCEPT. CI 33 SC 33.2.7.9	Response Status C	<i>L</i> 6	# 8	
"This counter is incremented when the PSE state diagram ERROR_DELAY due to the ovld_detected variable being ⁻ In 30.9.1.1.10, change: "This counter is incremented when the PSE state diagram ERROR_DELAY_SHORT." to: "This counter is incremented when the PSE state diagram ERROR_DELAY due to the short_detected variable being	As we discovered in E Note: impacts legacy	Signify Comment Status D V Off in Table 33-11 shall app BT, there are more states when requirement.		0	
Response Response Status C REJECT. These counters were altered in the BT amendment and the remedy no longer apply. This issue needs to be addressed against the Yang amendment.	00		V Off in Table 33-11 shall app DELAY, and IDLE states." <i>Response Status</i> Z	oly to the PI volt	age in the BACKOFF,

Chad Jones will submit the request.

Pa **51** Li **6**

This comment was WITHDRAWN by the commenter.

C/ 33 SC 33.2.8 Yseboodt, Lennart	P 51 Signify	L 38	# 9	C/ 33 SC 33.2.9.1.2 P52 L39 # 10 Yseboodt, Lennart Signify			
maximum power level rec	Comment Status A power provision to a link if t quested by the PD based o	n the PD's clas	s."	Comment Type T Comment Status R There is a discrepancy in the DC MPS specifications, both in Clause 33 and Clause 145. We should keep these consistent.			
Statement is incorrect as it would disallow power demoting a Class 4 PD to Class 3. We fixed this in BT and the same text can serve us here. SuggestedRemedy Replace by: "A PSE does not initiate power provision to the link if the PSE has less than Class 3 power				One one hand: "The PSE shall not remove power from the port when I Port is greater than or equal to I Hold max continuously for at least T MPS every T MPS + T MPDO, as defined in Table 33- 11." The state diagram on the other hand starts a tmpdo_timer (value: T_MPDO) and removes			
ACCEPT.	e connected PD requests more than <i>Response Status</i> C		ower."	power unless mr_mps_present=TRUE before the timer is done. That variable only becomes TRUE when the current>lhold continuously for TMPS. Summary: the text allows the TMPS window to be outside the TMPDO window, whereas the state diagram requires it to be inside the TMPDO window. Looking at the values for these, if we follow the state diagram, with a minimum value of			
				TMPDO (300ms) and maximum value of TMPS (60ms), a compliant PD will FAIL to remain powered.			
				Given that we can't change PD MPS timings, we need to change the state diagram such that it allows for TMPDO + TMPS windows. This can be achieved in the timer description.			
				In 33.2.4.5 change tmpdo_timer to read: A timer used to monitor the dropout of the MPS; see T MPDO in Table 33-11. The value of this timer is set to TMPDO + TMPS, with a maximum value of TMPDO_max, as defined in Table 33-11.			
				Response Response Status C REJECT.			

Consensus could not be reached on a remedy.

Cl 33SC 33.5.1.2.8P84L18#Hajduczenia, MarekCharter Communicatio	C/ 33 SC 33.7.5 P 694 L # 11 Darshan, Yair Microchip
Comment Type TR Comment Status R Management Figure 33–9—PSE state diagram does not contain state ERROR_DELAY_OVER or ERROR_DELAY_SHORT, but instead ERROR_DELAY only. The problem exists in 2018 2015, and 2012 editions of the standard. The state "ERROR_DELAY_OVER" and "ERROR_DELAY_SHORT" were present in 2008 edition but merged thereafter, but the associated text has never been updated accordingly. SuggestedRemedy	Comment TypeTRComment StatusDAESThe text "The AC component is up to 175 Vp at 20 Hz to 60 Hz with a 100 ohm source resistance." has not sufficient data in order to test the "shall" that follows this description. The missing parts are: - the cadence (depends on the national telephony standard) -The test time duration (implementation specific, but we need to define some reasonable minimum for interoperability).
In 33.5.1.2.7, change: "This bit shall be set to one when the PSE state diagram (Figure 33–9) enters the state 'ERROR_DELAY.'" to: "This bit shall be set to one when the PSE state diagram (Figure 33–9) enters the state 'ERROR_DELAY' due to the short_detected variable being TRUE." In 33.5.1.2.8, change:	SuggestedRemedy Change from: "The AC component is up to 175 Vp at 20 Hz to 60 Hz with a 100 ohm source resistance." To: "The AC component is up to 175 Vp at 20 Hz to 60 Hz with a 100 ohm source resistance with a cadence per the relevant national standard, for a test time duration greater than 5 minutes.
"This bit shall be set to one when the PSE state diagram (Figure 33–9) enters the state 'ERROR_DELAY_OVER'." to: "This bit shall be set to one when the PSE state diagram (Figure 33–9) enters the state 'ERROR_DELAY' due to the ovld_detected variable being TRUE."	Proposed Response Response Status Z REJECT. This comment was WITHDRAWN by the commenter.
In 33.8.3.7 Management function requirements, item MF30, change: "Bit indicates an overload condition has been detected. Set to one when entering the ERROR_DELAY_OVER state" to: "Bit indicates an overload condition has been detected. Set to one when entering the ERROR_DELAY state due to the ovld detected variable being TRUE"	
Response Response Status C REJECT.	

As the response to comment 2 points out, there needs to be alignment between these registers, the management objects, and Yang. A complete solution is needed before changes are made.