C/ 00 SC	0	P 0	L 0	# 1		C/ 155	SC 155.2.2	P 46 L 7	,	# 2	
Brown, Matt		Alphawave				Brown, Matt		Alphawave			
Comment Type	Е	Comment Status D		bı	cket	Comment Ty	vpe E	Comment Status D			bucket
								.			

802.3cw is now preceded by 802.3df and will be amendement 10. 802.3df has been added to cover page (page 1) and the amendment lines (page 13) but references elsewhere have not been updated.

SugaestedRemedv

In clauses being amended by 802.3cw (1, 30, 45, 116, 118)...

Change any amendments to include references to 802.3df and changes made in 802.3df, as appropriate.

Implement with editorial license.

Proposed Response Response Status W

PROPOSED ACCEPT.

"When communicating" phrase is deceiving since it implies that sometimes it does not communicate with the other laver. I think the intent was to provide a reference to each of the two interfaces. Also, the PCS does not communicate *with* the 400GMII, it communicates *via* the 400GMII with the RS or PHY 400GXS above. Similar for communication with the PMA.

SuggestedRemedy

Change "When communicating with the 400GMII, the 400GBASE-ZR PCS uses an eight octet-wide, synchronous data path, with packet delineation being provided by transmit control signals (TXC) and receive control signals (RXC) (see 81.3). When communicating with the 400GBASE-ZR PMA in the transmit direction, the 400GBASE-ZR PCS provides codewords (see 155.3.2.1) of a systematic (128, 119) double-extended Hamming code (denoted SD-FEC within this clause) to the 400GBASE-ZR PMA. When communicating with the 400GBASE-ZR PMA in the receive direction, the 400GBASE-ZR PCS receives 128 x m bit SD-FEC codewords (see 155.3.2.2.1) from the 400GBASE-ZR PMA, where m is the implementation dependent sampling resolution of each component of the DP-16QAM symbol in bits."

To: "For communication via the 400GMII, the 400GBASE-ZR PCS uses an eight octetwide, synchronous data path, with packet delineation being provided by transmit control signals (TXC) and receive control signals (RXC) (see 81.3). For communication with the 400GBASE-ZR PMA in the transmit direction, the 400GBASE-ZR PCS provides codewords (see 155.3.2.1) of a systematic (128, 119) double-extended Hamming code (denoted SD-FEC within this clause) to the 400GBASE-ZR PMA. For communication with the 400GBASE-ZR PMA in the receive direction, the 400GBASE-ZR PCS receives 128 x m bit SD-FEC codewords (see 155.3.2.2.1) from the 400GBASE-ZR PMA, where m is the implementation dependent sampling resolution of each component of the DP-16QAM symbol in bits."

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3cw D2.3 400 Gb/s over DWDM systems 3rd Working Group recirculation ballot comments

Marris, Arthur Cadence Design Systems Huber, Thomas Nokia Comment Type E Comment Status D bucket Comment Type E Comment Status D 802.3df is also modifying bits 1.7.6:0 since 802.3df also modifies Table 45-7, and 802.3cw is now need to be based on the table as it exists in 802.3df rather th SuggestedRemedy SuggestedRemedy<	bucke					
802.3df is also modifying bits 1.7.6:0 Since 802.3df also modifies Table 45-7, and 802.3cw is now need to be based on the table as it exists in 802.3df rather th	buoko					
SuggestedRemedy need to be based on the table as it exists in 802.3df rather th	DUCKE					
SuggestedRemedy	, 0					
	an in 802.30d.					
Add as modiled by IEEE Std 802.3di-202X	SuggestedRemedy					
add extra bit 7 to make it bits 1.7.7.0 In the table, change the value in the Bits column to 1.7.7:0. Change to 0 1 1 1 1 1 1 = 400GBASE-ZR PMA/PMD column to show the value 0 1 1 1 1 1 1 = reserved being ch						
Proposed Response Response Status W 400GBASE-ZR PMA/PMD	-					
PROPOSED ACCEPT IN PRINCIPLE. Proposed Response Response Status W						
PROPOSED ACCEPT IN PRINCIPLE.						
Implement suggested remedy. See response to comment #1. Resolve using the response to comment #6.						
C/ 45 SC 45.2.3 P 31 L 22 # 7	# 11					
Marris, Arthur Cadence Design Systems	π					
Comment Type E Comment Status D bucket	bucke					
Table 45–233—PCS registers has been modified by 802.3df Since 802.3cw is now after 802.3df, the editing instruction sh						
SuggestedRemedy						
Add as modifed by IEEE Std 802.3df-202x SuggestedRemedy Change 3.632 to 3.664 Change "as modified by IEEE Std 802.3db-2022" to "as modified by IEEE Std 802" to "as modif	Change "as modified by IEEE Std 802.3db-2022" to "as modifiex by IEEE Std 802.3db-					
2022 and IEEE Std 802 3df-202x"	THE DY TELE OLD OUZ.OUD-					
Proposed Response Response Status W Proposed Response Response Status W Proposed Response Response Status W						
PROPOSED ACCEPT IN PRINCIPLE.						
Implement suggested remedy. See response to comment #1. Resolve using the response to comment #1.						
C/ 45 SC 45.2.1.6 P 24 L 27 # 9						
Huber, Thomas Nokia						
Comment Type E Comment Status D bucket						
Table 45-7 is modified by 802.3df. Since 802.3cw is now after 802.3df, the editing instruction should include 802.3df.						
SuggestedRemedy						
Change "as modified by IEEE Std 802.3db-2022" to "as modifiex by IEEE Std 802.3db- 2022 and IEEE Std 802.3df-202x"						
Proposed Response Response Status W						
PROPOSED ACCEPT IN PRINCIPLE.						
Resolve using the response to comment #1.						

Comment ID 11

IEEE P802.3cw D2.3 400 Gb/s over DWDM systems 3rd Working Group recirculation ballot comments

C/ 155	SC 155.3.1	P 60	L 35	# 13
Zimmerma	an, George	CME Consul	ting/APL Gp, Cisc	o, Marvell, OnSemi, Se
Comment	Туре Т С	omment Status D		bucket
		to unsatisfied commer		
		ed in the primitive interfa D are labeled. PMD_IS_		
		2 and 156-3), the received		
"indica	ation".			
Suggested	lRemedy			
	est change right hand _IS_UNITDATA.indica	side "PMD_IS_UNITDA ation"	TA.request" to	
Proposed I	Response Re	esponse Status 🛛 🛛 🛛 🛛 🛛 🛛 🗤		
PROP	OSED ACCEPT IN P	RINCIPLE.		
Resolv	ve using the response	e to comment #5.		
C/ 155	SC 155.2.5.5.2	P 49	L 42	# 15
Zimmerma	an, George	CME Consul	ting/APL Gp, Cisc	o, Marvell, OnSemi, Se
Comment	Туре Е С	omment Status D		bucket
Style -	the style quide says	you spell out single digi	t numbers - "It is a	set to one" vs "It is
		LITTLE in IEEE Std 80		
		e usually try to avoid pro		
		diting when things are r		
Suggested	IRemedv	0 0		
Sugge	est changing "It is set	to 1" to "The remote PH t to 0" to "otherwise it is		bit is set to one" , and
Proposed I	- Response Re	esponse Status W		
	OSED ACCEPT.			
C/ 155	SC 155.3.3	P 62	L 37	# 19
Dawe, Pier		Nvidia	- •	
Dano, i ioi				
Comment				bucket
		omment Status D	3 terminology	bucket
Avoid	inconsistent terminolo	ogy, use the usual 802.3	3 terminology	bucket
Suggested	inconsistent terminolo Remedy			bucket
Avoid i Suggested Chang	inconsistent terminolo IRemedy je "symbol rate" to "si	ogy, use the usual 802.3		bucket
Avoid i Suggested Chang Proposed i	inconsistent terminolo IRemedy je "symbol rate" to "si	ogy, use the usual 802.3 gnaling rate", several pl esponse Status W		bucket
Avoid i Suggested Chang Proposed I PROP Chang	inconsistent terminolo IRemedy ge "symbol rate" to "si Response Re OSED ACCEPT IN P ge "symbol rate" to "si	ogy, use the usual 802.3 gnaling rate", several pl esponse Status W	aces.	
Avoid i Suggested Chang Proposed I PROP Chang	inconsistent terminolo IRemedy ge "symbol rate" to "si Response Re OSED ACCEPT IN P	ogy, use the usual 802.3 gnaling rate", several pl esponse Status W RINCIPLE.	aces.	
Avoid i Suggested Chang Proposed I PROP Chang 156). V	inconsistent terminolo IRemedy ge "symbol rate" to "si Response Re OSED ACCEPT IN P ge "symbol rate" to "si With editorial license.	bgy, use the usual 802.3 gnaling rate", several pl esponse Status W RINCIPLE. gnaling rate" in 6 places	aces. s (5 in clause 155	

C/ 156	SC 156.7.1	P 98	3	L 11	#	22
Dawe, Piers	S	Nvidia				
Comment 7 20ppm	51	Comment Status	D			bucket
Suggestedl Insert s	R <i>emedy</i> space. Also in t	he next table.				
Proposed F PROPC	Response DSED ACCEPT	Response Status	w			
C/ 156	SC 156.9.4	P 10)4	L 2	#	24
Dawe, Piers	s	Nvidia				
Comment 7 Figures	51	Comment Status re in a serif font, unlike	_	S.		bucket
Suggestedl Change	Re <i>medy</i> e to Arial					
Proposed F PROPO	Response DSED ACCEPT	Response Status	W			
C/ 156	SC 156.10.1	.2.4 P 11	12	L 47	#	29
Dawe, Piers	s	Nvidia				
pages of a	a RRC filter with of the base star a symbol in a se	Comment Status n a beta = 0.2" is too t ndard, nor elsewhere i entence, unlike the wa	erse, as "R n 156.10. "	a beta" read		
Suggested	Remeay					

Change to "using a RRC filter (see 156.9.4) with a roll-off factor beta of 0.2"

Proposed Response	Response Status	W
PROPOSED ACCEPT	T IN PRINCIPLE.	

Change "using a RRC filter with a B = 0.2" to "using a RRC filter (see 156.9.4) with a roll-off factor B of 0.2". "B" will be correctly formatted as beta.

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 29

IEEE P802.3cw D2.3 400 Gb/s over DWDM systems 3rd Working Group recirculation ballot comments

C/ 156	SC 156.9.4	P 1	04	L 49	# 32	
Dawe, Pie	ers	Nvidia	а			
<i>Comment</i> T and	<i>Type</i> E f should be italic,	<i>Comment Status</i> as in 156A.3	D			bucket
Suggester per co	<i>dRemedy</i> omment					
	Response POSED ACCEPT.	Response Status	w			
C/ 156	SC 156.9.6	P 1	05	L 10	# 33	
Dawe, Pie	ers	Nvidia	а			
freque Suggestee	comments 285, op ency noise. You c dRemedy	an't have a "should"	e inac ' in a	dequately defined, a definition, it has to b rial PICS). Similarly	e decisive.	bucket
"cohe	rent receiver shou	lḋ have", "ENOB an	d sar	mpling rate of the dig	gitizers should	be".
•	Response POSED ACCEPT	Response Status	W			
In 156	6.9.6 change "Mea	surement resolutior	n sho	uld be" to "Measurer	ment resolutior	is".
	6.10.1.1 change "c ge "digitizers shou			have" to "coherent re	eceiver has" ar	ıd

Comment ID 33