	,						U 1		
C/ 176 SC 176.7.4.2	P317	L16	# 9	C/ 178B	SC 17	'8B.14.2	2.1 <i>P</i> 804	L15	# 55
Marris, Arthur	Cadence Des	ign Systems		Jones, Cha	ad		Cisco System	s, Inc.	
Comment Type TR	Comment Status D		(Logic) (bucket2)	Comment	Туре	E	Comment Status D		(Common) (bucket2) ILT
The PRB31Q pattern need has been sent to the chec		sent to the PRBS	31 checker, not after it				This will likely be flagged dur with "help reduce".	ing MEC. Staff	f review would likely
SuggestedRemedy				Suggested	IRemedy				
Change the word "followed	•		0	chang	e "avoid"	to "help	reduce".		
provided by the PRBS31 of enabled), and inverse Gra	(<i>, , , , , , , , , , , , , , , , , , ,</i>	,	1 01	Proposed	Response	•	Response Status W		
using similar wording in 17			4.3.3). AISO CONSIDER	PROP	OSED AG	CCEPT	IN PRINCIPLE.		
Proposed Response	Response Status W			Chana					
PROPOSED ACCEPT IN	PRINCIPLE.						ations, ILT should only be res	tarted if there	is an indication of an
Change line 16 on page 3			204 alta alta a	To:					
From: "The PRBS31Q tes 176.7.4.1), followed by inv PAM4 decoder (see 176.4	verse precoding (if enabled						esult in a live-lock situations, an unrecoverable fault."	thus ILT shoul	d only be restarted if
To: "The PRBS31Q test p	attern checking is provide			C/ 169	SC 16	9.2.9	P190	L25	# 57
176.7.4.1). PRBS31Q dat Gray mapped in the PAM				Jones, Ch	ad		Cisco System	s, Inc.	
	4 decoder (see 170.4.5.5)		oor pattern checker.	Comment	Type	E	Comment Status D		(Common) (bucket2
No updates are necessary	y in 177.6.2.2 because wo	rding is different a	and the suggested	Use of	f "may".				. ,. ,
remedy does not apply.				Suggested	Remedy				
C/ 178B SC 178B.5.2	P 789	L 2	# 54		•	otionally	support" to "optionally supp	orts"	
Jones, Chad	Cisco System	s, Inc.		Proposed	Response	,	Response Status W		
Comment Type E	Comment Status D		(Common) (bucket2)	•	OSED A		,		
Use of the word guarantee review will likely recomme			luring MEC. Staff	C/ 174	SC 17	4.2.11	P250	L 26	# 58
SuggestedRemedy				Jones, Ch	ad		Cisco System	s. Inc.	
change "guarantees" to "h	elps ensure" in two places	s on lines 2 and 3	ł.	Comment		E	Comment Status D	,	(Common) (bucket2)
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉				f "may".				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
PROPOSED ACCEPT IN	PRINCIPLE.			Suggested	IRemedv				
Change					-	otionally	support" to "optionally supp	orts"	
Change: "As shown in the RTS con	ntrol state diagram (Figure	178B–7) local rt	s is set to true only	Proposed	, ,	,	Response Status W		
after the transmit clock is between clock sources oc	derived from the PCS cloc	k. This guarante		•	OSED A				
To: "As shown in the RTS con after the transmit clock is clock sources occurs while	derived from the PCS cloc	ck, such that the t							
TYPE: TR/technical required COMMENT STATUS: D/dispa	ER/editorial required GR/ tched A/accepted R/reje	general required cted RESPON	T/technical E/editorial G/g SE STATUS: O/open W/wr	general ritten C/closed	ł U/unsat	isfied 2		ent ID 58	Page 1 of 16 7/21/2025 10:2

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/ 175	SC 175	1.3	P261	L10	# 69	C/ 176	SC 176.4.2.	3.1	P 298	L3	# 79
Bruckman,	, Leon		Nvidia			Bruckman,	Leon		Nvidia		
Comment	Туре ТЕ	Co	omment Status D		(Logic) (bucket2)	Comment	Type TR	Comment S	Status D		(Logic) (bucket2,
					75.3), no need to list it	The sa	me information	is provided in t	he text and in	the eqautions be	low
	t is not liste /400GBASE		sections in 802.3df (88	8GBASE-R PCS)	or the base standard	Suggested	Remedy				
Suggested											symbols, and for the
		ullet: FEC	degrade detection and	l signaling				MA, it equals N nis text: "where			N is an integer."
			of the text for this bulle			Proposed I		Response S	•		
Proposed I	Response	Re	sponse Status 🛛 🛛 🛛 🛛 🛛 🛛 🖉				•				
PROP	OSED ACC	EPT IN PF	RINCIPLE.								
Chang From:	le	de detectio	quired. Only the FEC de	egrade detection	is optional.	From: 400GE To: "Fo	"For the 200GE ASE-R 16:2 PM or any N, where	BASE-R 8:1 PM MA, it equals N N is an integer	A, it equals N × 136 RS-FEC	symbols, where	list. ymbols, and for the N is an integer." is calculated as: "
C/ 176	SC 176	2	P292	L51	# 76	Implen	nent with editori	al license.			
Bruckman,		-	Nvidia	201		C/ 185	SC 185.6		P 563	L 51	# 96
Comment		C	omment Status D		(Logic) (bucket2)	Bruckman,	Leon		Nvidia		
Incons	51		paragraphs above. Se	e similar paragra		Comment ⁻ An 800		Comment S MD that suppor		viously complain	<i>(Optical) (bucket2)</i> t sinc ethis is the
Suggested	lRemedy					require	ment				
Chang	e: "from the	sublayer a	above the PMA" to: "fro	om the client subl	ayer"	Suggested	•				
Proposed I PROP	Response OSED ACC		sponse Status 🛛 ₩			10 km' To: "co	·				requirement of 2 m to irement of 2 m to 10
C/ 176	SC 176	3	P 294	L12	# 77	km"	5	-			
Bruckman,			Nvidia			Proposed I	•	Response S I IN PRINCIPLE			
Comment		Co	omment Status D		(Logic) (bucket2)			sted remedy with		ise.	
lt is no	••	h SIGNAL	_OK is being consider	ed. In the similar							
Suggested	IRemedy										
to: "the	e received S	IGNAL_OI	AL_OK value." K parameter from the s IGNAL_OK))."	sublayer above th	e PMA						
Proposed I	Response	Re	sponse Status 🛛 🛛 🛛 🛛 🛛 🖉								

C/ 187	SC 187.6	P637	L 54	# 104	C/ 178B	SC	178B.5.3	P 789	L 47	# 119		
Bruckman,	, Leon	Nvidia			Mascitto, I	Marco		Nokia				
Comment T	Type TR	Comment Status D		(Optical) (bucket2)	Comment	Туре	Е	Comment Status D		(Common) (bucket2		
require	ement	MD that supports 40Km is ob	viously complai	nt sinc ethis is the	Subclause 178B.3 defines Path as the series of all ISLs between the two PCSs (or XS so use of "PCS to PCS path" or "main path" may cause confusion (as it suggests something different). I was thinking about suggesting a rename of "Path" to "ILT Path"							
Suggested		40 1						nd scope. Not sure if that is a				
40 km		e over 40 km would meet the	operating range	e requirement of 2 m to	Suggested	Remed	dy					
		r 45 km would meet the oper	ating range requ	uirement of 2 m to 40	Repla	ce "PC	S to PCS p	ath" and "main path" with "pa	ath".			
Implem	OSED ACCEPT nent the suggest	ed remedy with editorial licer			Chang PCS t the sa	POSED ge: "AU o PCS me beł	ACCEPT II I componer path, and tr navior as Al	Response Status W N PRINCIPLE. Ints within an xMII Extender m raining signaling will continue JI components within a PHY	e until the maii ."	n path is ready. This is		
C/ 174A	SC 174A.3	P677	L 44	# 105		UI com a PHY	•	thin an xMII Extender have t	he same beha	vior as AUI components		
Bruckman,	, Leon	Nvidia					th editorial	license.				
Comment T	Type ER	Comment Status D		(Common) (bucket2)								
The no	ote regarding FL	R is repeated several times			C/ 116	SC	116.1.4	P149	L 34	# 162		
Suggested	IRemedy				Huber, The	omas		Nokia				
		arding the FLR not being nor 74A.2 with the note's text.	mative for any s	ublayer. Add a general	<i>Comment</i> The cl	51	TR umbers in T	Comment Status D able 116-3a are incorrect ar	nd the column	(Common) (bucket2, s are not in the right		
	OSED REJECT.	Response Status W	clause Using a	common note		ext was		s clause 73 rather than 116, he table inserted by 802.3ck				
		e as helpful. The notes in the			Suggested	Reme	dy					
					Chang	ge 116 t	to 73, and s	swap the order of the first two	o columns so	73 comes first.		
					Proposed	Respor	nse	Response Status W				

PROPOSED ACCEPT IN PRINCIPLE.

Implement the suggested remedy with editorial license.

C/ 176	SC 17	76.4.2.4	P 298	L37	# 179	C/ 178B	SC	178B.5	P787	L37	# 225
Huber, Thor	mas		Nokia			Huber, Tho	mas		Nokia		
Comment T	уре	E	Comment Status D		(Logic) (bucket2)	Comment 7	уре	Е	Comment Status D	Comr	non) ILT layout (bucket2)
understa separate S <i>uggestedF</i>	tand the ted by co R <i>emedy</i>	sentence ommas bo	, the phrases that start with (they are additional explana oth before and after the phra	atory informatio ases.	n), so they should be	protoco first, ar subclau	l depe d to h ises.	ends on th ave all the Further, 1	bclauses 178B.5 through 178l the per-ILS training protocol, so e various pieces of that in one 78B.5.1 seems to be about th and 178B.5.2 and 178B.5.3 an	o it would be bet subclause rath ne individual ISL	tter to introduce that er than spread across 8 . training rather than the
Add a c as follov		after 8000	BASE-R 32:4 PMAs and af	ter 1.6TBASE-I	R 16:8 PMA, so it reads	Suggested	Remed	dy			-
R 32:4 F	PMAs, w which em Response	vhich emp iploys syr e	ed by the 200GBASE-R 8:1, bloy symbol-pair multiplexing nbol-quartet multiplexing. <i>Response Status</i> W			178B.5 178B.5 178B.5 178B.5	.1 Inte .1.1 Ti .1.2 Ti .2 Trai	erface beh raining ref raining xM ining fram	new heading] avior [curent 178B.5.1] timers [current 178B.5.2] 11I Extenders [current 178B.6] e structure [current 178B.6]	3]	
C/ 184	SC 18	34.2	P533	L 8	# 200				structure [curernt 178B.7] tructure [current 178B.8]		
Huber, Thor	mas		Nokia						e lock [current 178B.9] ction and correction [current ?	1798 101	
0	a hyphe		Comment Status D compound adjective 'BCH(1	26, 110) encod	<i>(Logic) (bucket2)</i> ed'	178B.5 178B.5 178B.5	.7 Equ .8 Trai .9 Har	ualization ining pattr ndshake ti	control [current 178B.11] ren setting [current 178B.12] ming [current 178B.13]		
SuggestedR Change			g the BCH(126,110)-encode	d flows "					rotocol [current 178B.5, witho [current 178B.14]	ut the subclaus	es included abovej
Proposed R			Response Status W			178B.8	Mana		ariables [current 178B.15]		
PROPC	DSED AG	CCEPT IN	N PRINCIPLE.			Proposed F	Respor	nse	Response Status W		
			ving the BCH(126,110) enco he encoded flows"	oded flows"					IN PRINCIPLE. ses as suggested with editoria	al license.	

C/ 178B SC 178B.5.1	P 788	L 9	# 227	C/ 116	SC 116.1.4	P148	L1	# 232
Huber, Thomas	Nokia			Huber, Th	omas	Nokia		
Comment Type E	Comment Status D		(Common) (bucket2)	Comment	Туре Т	Comment Status D	ion)	ILT PHY tables (bucket2)
"Interface" is vague. I t	hink this clause is about lane	es in an ISL.				200G/lane PHYs and AUIs. 178 ses as Required. As such, it sh		
SuggestedRemedy					uction as well.	ses as Required. As such, it sh	iouid appear in	the tables in the
	n something more specific ar opriate throughout the clause		ndpoint" and "ISL lane"	Suggestee	dRemedy			
Proposed Response	Response Status W					o show that 178B is conditiona		
PROPOSED ACCEPT						3aa so show that 178B is mano mandatory, 116-4 to show it as		
				mand	atory, 116-5 to s	show it as conditional, and 116	6-5a to show it a	s mandatory. There
Interface is never conci beginning would be hel	sely defined in Annex 178B.	A defining state	ement near the			nd 400G PMD clauses that als 00G/lane AUIs and conditional		odated to indicate the
The definition of "Interfa	ace" should be in line with the	e new definition	for "ISL" as provided in		Response	Response Status W		
the resolution to closed	comment #222. nponent" should be defined o	collectively as e	ither a C2C component	•	POSED REJEC	•		
or C2M component defi	ined in 176C and 176D, resp	ectively. Other	changes to the definition					.
would be helpful. The re changes.	esponse to closed comment	#221 provides	some related wording			listed in the these tables, Anne AUI component.	ex 178B defines	functionality within a
Ū					•			
Change the definition o "AUI component	f "AUI component" in 178B.	3 to the followin	ig:			uniquely within each clause/an e defined in a common location		
An AUI component is e	ither a C2C component (e.g.				that needs it.			
(e.g., see 176D.3). In a	device with two AUI compor	nents the upper	AUI component is the	For p	ast generations	of CR and KR PHYs, link traini	ing was defined	either in the CR or KR
the medium."		Ron component		clause		d from the other clause. We di		
	terface" in 178B.3 as follows:	:		F 4b		and 400 since UT is defined f		
"Interface Unless gualified otherw	ise, interface is either an AU	I component or	a PMD."			and 168, since ILT is defined for a physical layer implementation		
		·		we wo	ould have to list	Annex 178B in every clause ta		
Implement with editoria	l license.			conte	xi would have id	be clearly layed out.		
						not in practice reference subs t define COM for AUIs and elec		
				betwe		text of ILT is rather muddy as i on an ISL or it could mean the th.		
				conte	xt of ILT. Once t	t force discussion to provide be this is settled the CRG will be i Further work on this topic is en	in a better positi	
				There	is no consonsu	is to make the proposed chanc	nee at this time	

There is no consensus to make the proposed changes at this time.

C/ 169	SC 169	.1.4	P187	L1	# 233	C/ 175	SC 175.2.4.
Huber, Th	iomas		Nokia			Brown, Mat	t
Comment	Туре Т	Co	omment Status D	ר (nc	LT PHY tables (bucket2)	Comment	Гуре Е
200G/		clauses as F	ne PHYs and AUIs. 178 Required. As such, it sh			is uneo	possesive grai essary here.
Suggested						Suggested	•
Updat condit (includ condit	te table 169 tional for the ding FR4-50 tional for all	e KR8/CR8. 00) and con PHYs. It m	178B as mandatory for Update table 169-3 to ditional for xR8. Update nay be necessary to als 00GBASE-xR8 PHYs) t	show 178B as e table 169-3a t o update the Pl	mandatory for xR4 to include 178B as MD clauses that were	Proposed F PROP	e "PCS lane's" Response OSED ACCEP hent the sugges
	s conditiona	`				C/ 178B	SC 178B.11
Proposed	Response	Re	sponse Status W			Brown, Mat	t
	POSED RE.					Comment	Гуре Т
Resol	ve using the	e response	to comment #232.				possesive gra
C/ 174	SC 174	.1.4	P248	L1	# 234		essary here.
Huber, Th	iomas		Nokia			Suggested	<i>Remeay</i> e "transmitter's
Comment	Туре Т	Co	omment Status D	on)	ILT PHY tables (bucket2)	0	n page 804 line
						7 100 01	r page ee r mie
			ne PHYs and AUIs. 17		he tables in the PMD	Proposed F	
clause Suggestee	es as Requi dRemedy	ired. As suc	h, it should appear in th	ne tables in the	he tables in the PMD introduction as well.	Proposed F PROP	Response
clause Suggested Updat	es as Requi d <i>Remedy</i> te tables 17	ired. As suc 4-2 and 174	h, it should appear in th 4-3 to include 178B as o	ne tables in the	he tables in the PMD introduction as well.	Proposed F PROP	
clause Suggested Updat Proposed	es as Requi dRemedy te tables 17 Response	ired. As suc 4-2 and 174 <i>Re</i> s	h, it should appear in th	ne tables in the	he tables in the PMD introduction as well.	Proposed F PROPO Implem	Response DSED ACCEP hent the sugger SC 183.7.1
clause Suggestee Updat Proposed PROF	es as Requi dRemedy te tables 17 Response POSED RE	ired. As suc 4-2 and 174 <i>Re</i> : JECT.	h, it should appear in th 4-3 to include 178B as o	ne tables in the	he tables in the PMD introduction as well.	Proposed F PROP Implem	Response DSED ACCEP hent the sugges SC 183.7.1
clause Suggested Updat Proposed PROF Resol	es as Requi dRemedy te tables 17 Response POSED RE	ired. As suc 4-2 and 174 <i>Re</i> JECT. e response	 th, it should appear in th to include 178B as a sponse Status W 	ne tables in the	he tables in the PMD introduction as well.	Proposed F PROPO Implem CI 183 Landry, Ga Comment T min OM	Response DSED ACCEP tent the sugge SC 183.7.1 ry Fype E
clause Suggester Updat Proposed PROF Resol	es as Requi dRemedy te tables 17 Response POSED RE. Ve using the SC 73 .	ired. As suc 4-2 and 174 <i>Re</i> JECT. e response	th, it should appear in th 4-3 to include 178B as c <i>sponse Status</i> W to comment #232.	L 15	he tables in the PMD introduction as well. II PMDs	Proposed F PROPO Implem CI 183 Landry, Ga Comment T min OM	Response DSED ACCEP tent the sugge SC 183.7.1 ry Type E MA limits for high Eq 183-1).
clause Suggester Updat Proposed PROF Resol Cl 73 Brown, Ma Comment	es as Requi dRemedy te tables 17 Response POSED RE ve using the SC 73.4 att Type E	ired. As suc 4-2 and 174 <i>Re</i> : JECT. e response 4.2	th, it should appear in th 4-3 to include 178B as o sponse Status W to comment #232. P 130	L 15	the tables in the PMD introduction as well. II PMDs # 296 (Logic) (bucket2)	Proposed F PROPO Implem CI 183 Landry, Ga Comment T min OM table (I Suggested To incr	Response DSED ACCEP nent the sugge SC 183.7.1 ry Type E MA limits for hig Eq 183-1). Remedy ease readabilit
clause Suggester Updat Proposed PROF Resol Cl 73 Brown, Ma Comment Use o	es as Requi dRemedy te tables 17 Response POSED RE ve using the SC 73.4 att Type E	ired. As suc 4-2 and 174 Re: JECT. e response 4.2 Co grammar is	th, it should appear in th 4-3 to include 178B as o sponse Status W to comment #232. P130 Alphawave Se comment Status D	L 15	the tables in the PMD introduction as well. II PMDs # 296 (Logic) (bucket2)	Proposed F PROPO Implem CI 183 Landry, Ga Comment T min OM table (I Suggested To incr	Response DSED ACCEP nent the sugger SC 183.7.1 ry Fype E MA limits for hig Eq 183-1). Remedy ease readabilit 2), bring extern
clause Suggested Updat Proposed PROF Resol Cl 73 Brown, Ma Comment Use o is une Suggested	es as Requi dRemedy te tables 17 Response POSED RE. Ve using the SC 73.4 att Type E occessary he dRemedy	ired. As suc 4-2 and 174 <i>Re</i> . JECT. e response 4.2 <i>Ca</i> e grammar is re.	 th, it should appear in the should appear in the should appear in the should appear in the should be should	L 15	the tables in the PMD introduction as well. II PMDs # 296 (Logic) (bucket2)	Proposed F PROPO Implem Cl 183 Landry, Ga Comment T min OM table (I Suggested To incr and 18 Proposed F	Response DSED ACCEP nent the sugger SC 183.7.1 ry Fype E MA limits for hig Eq 183-1). Remedy ease readabilit 2), bring extern
clause Suggester Updat Proposed PROF Resol Cl 73 Brown, Ma Comment Use o is une Suggester Chang	es as Requi dRemedy te tables 17 Response POSED RE. Ve using the SC 73.4 att Type E occessary he dRemedy	ired. As suc 4-2 and 174 <i>Re:</i> JECT. e response 4.2 co grammar is re.	 th, it should appear in the should appear in the should appear in the should appear in the should be should	L 15	the tables in the PMD introduction as well. II PMDs # 296 (Logic) (bucket2)	Proposed F PROPO Implem C/ 183 Landry, Ga Comment T min OM table (f Suggested, To incr and 18 Proposed F PROPO	Response DSED ACCEP nent the sugger SC 183.7.1 ry Fype E MA limits for hig Eq 183-1). Remedy ease readabilit 2), bring extern Response DSED REJEC ing the equation
clause Suggester Updat Proposed PROF Resol Cl 73 Brown, Ma Comment Use o is une Suggester Chang Also c	es as Requi dRemedy te tables 17 <i>Response</i> POSED RE. Ve using the SC 73.4 att <i>Type</i> E of possesive eccessary he dRemedy ge "link part	ired. As suc 4-2 and 174 Re. JECT. e response 4.2 c grammar is re. tner's" to "lir 1 line 51	 th, it should appear in the should appear in the should appear in the should appear in the should be should	L 15	the tables in the PMD introduction as well. II PMDs # 296 (Logic) (bucket2)	Proposed F PROPO Implem C/ 183 Landry, Ga Comment T min OM table (f Suggested, To incr and 18 Proposed F PROPO	Response DSED ACCEP nent the sugge SC 183.7.1 ry Fype E MA limits for hig Eq 183-1). Remedy ease readabilit 2), bring extern Response DSED REJEC

C/ 175	SC	175.2.4.6	P 265	L28	# 298
Brown, Mat	t		Alphawave S	emi	
Comment 7	уре	Е	Comment Status D		(Logic) (bucket2)
Use of is unec			ar is inconsistent with simi	lar phrases used	d through this draft and
S <i>uggestedI</i> Change		<i>ly</i> 6 lane's" to '	'PCS lane"		
Proposed F	Respor	ise	Response Status W		
			N PRINCIPLE. I remedy with editorial lice	nse.	
C/ 178B	SC	178B.11.4	P802	L 25	# 325
Brown, Mat	t		Alphawave S	emi	
Comment 1	Туре	т	Comment Status D		(Common) (bucket2)
Use of is unec	•	-	ar is inconsistent with simi	lar phrases used	d through this draft and
Suggestedl	Remed	ly			
			"transmitter", three instan , change "interface's" to "o		808 line 17, 4 instances.
Proposed F	Respor	ise	Response Status W		
			N PRINCIPLE. I remedy with editorial lice	nse.	
C/ 183	SC	183.7.1	P 512	L 29	# 329
Landry, Ga	ry		Texas Instrur	nents	
Comment T	¯уре	Е	Comment Status D		(Optical) (bucket2)
min ON table (E			r TECQ/TDECQ values ar	e referenced to a	an equation outside the
Suggestedl	Remed	ly			
			nd maintain parallel structu equation into the table	ire to to other cla	auses (e.g., 180, 181,
Proposed F	Respor	nse	Response Status W		
PROPO	DSED	REJECT.			
			thin the table would ideally 180, 181, and 182.	improve readab	ility and maintain
clauses	s, and	the equatio	use 183 has only half the s n does not fit within the cu able and referenced from w	rent layout. Thu	
•					

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 329 Page

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min OMA limits for higher TECQ/TDECQ values are referenced to an equation outside the table (Eq 183-2). ILT should be supported for coherent optical PMDs, at the minimum 800GBASE-LFL 800GBASE-LR1 and 800GBASE-LR1 modules can be used in the same switch/roupotentially interchangable in pairs in deploying network equipment depending on the ink condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the ink condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the ink condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the ink condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the ink condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the ink condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition. By allowing ILT in 800GBASE-LR1, the host equipment depending on the link condition of the ISD path between two LR1 PMDs could be derived from the states condition of the ISD path between two LR1 PMDs could be derived from the states arevivide outside of the table and referenced from within									•	•		
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min OMA limits for higher TECQ/TDECQ values are referenced to an equation outside the table (Eq. 183-2). LT should be supported for coherent optical PMDs, at the minimum 800GBASE-LFL 800GBASE-LR1 and 800GBASE-LR1 an	Landry, Ga	ry	Texas Instrum	ients		Mi, Guango	can			Huawei Techi	nologies Co., Ltd	
table (Eq 183-2). 800GASE-LR1 ind 800GBASE-LR1 ind 800GBASE-LR1 independing on the same switch/roc superind repending on the independing on the issue independing on the issu	Comment 1	Туре Е	Comment Status D		(Optical) (bucket2)	Comment	Туре	TR	Comment S	Status D	nmor	n) ILT coherent (bucket2
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To increase readability and maintain parallel structure to to other clauses (e.g., 180, 181, and 182, bring external equation into the table would ideally improve readability and maintain consistency with clauses 180, 181, and 182. However, the table in clause 183 has only half the space available compared to those clauses, and the equation does not fit within the current layout. Thus the equations are provided outside of the table and referenced from within the table. 27 179 SC 179.9.4.7 P403 L19 # <u>371</u> Shiasi, Ali Ghiasi Qunatum/Marvell Comment Type TR Comment Status D (Electrical) ERL (bucket2) Not clear why Nbx is zero SuggestedRemedy SuggestedRemedy SuggestedRemedy Suggested Response Response Status W PROPOSED REJECT. The existing N_bx value 0 is consistent with the CFE taps Proposed Response Response Status W PROPOSED REJECT. The existing N_bx value 0 is consistent with the CFE taps Suggested Response Response Status W PROPOSED REJECT. The existing N_bx value 0 is consistent with the CFE taps Suggested Response Response Status W PROPOSED REJECT. The comment does not provide sufficient justification to support the suggested remedy. The comment does not provide sufficient justification to support the suggested remedy. The comment does not provide sufficient justification to support the suggested remedy. The comment does not provide sufficient justification to support the suggested remedy. The comment does not provide sufficient justification to support the suggested remedy. The comment does not provide sufficient justification to support the suggested remedy.	Suggestedi	Remedy										
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Including the equation within the table would ideally improve readability and maintain consistency with clauses 180, 181, and 182. SuggestedRemedy However, the table in clause 183 has only half the space available compared to those clauses, and the quation does not fit within the current layout. Thus the equations are provided outside of the table and referenced from within the table. Will be provided. 2/179 SC 179.9.4.7 P403 L19 # [371] Shiasi, Ali Ghiasi Qunatum/Marvell Mile provided. Proposed Response Response Status W Comment Type TR Comment Status D (Electrical) ERL (bucket2) Not clear why Nbx is zero SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy Mile and reference receiver are assumed to be used to equalize the channel (cable assembly) and are accounted for in COM calculation. Assuming that the same taps are used to address discontinuities in the host in ERL would be double counting. Such discontinuities can create multiple reflections combined with the cable, and thus should affect ERL. SuggestedRemedy The comment does not provide sufficient justification to support the suggested remedy. SuggestedRemedy The comment does not provide sufficient justification to support the suggested remedy. SuggestedRemedy PROPOSED REJECT. The does and the signal accounted for in COM calculation. Assuming that the same taps are used to address discontinuities in the hos	-	•	,			This co	omme	nt also re	quires updates	to sub clause	160.2.10 in page	190.
consistency with clauses 180, 181, and 182. However, the table in clause 183 has only half the space available compared to those clauses, and the equation does not fit within the current layout. Thus the equations are provided outside of the table and referenced from within the table. C/ 179 SC 179.9.4.7 P403 L19 # 371 Shiasi, Ali Ghiasi Qunatum/Marvell Comment Status D (Electrical) ERL (bucket2) Not clear why Nbx is zero SuggestedRemedy SuggestedRemedy Suggested Response Response Status W PROPOSED REJECT The existing N_bx value 0 is consistent with the CR PMD in 802.3ck (Clause 162). Not the the 15 FFE taps of the reference receiver are assumed to be used to equalize the same taps are used to address discontinuities in the host in ERL would be double counting. Such discontinuities can create multiple reflections combined with the cable, and thus should affect ERL. The comment does not provide sufficient justification to support the suggested remedy. Suggested remedy Such discontinuities in the host in ERL would be double counting should affect ERL. The comment does not provide sufficient justification to support the suggested remedy. The comment does not provide sufficient justification to support the suggested remedy. Response Status W PROPOSED ACCEPT IN PRINCIPLE. SuggestedRemedy Cl 185 SC 185.3.1.3.2 P 560 L1			•			Suggested	Reme	dy				
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PROPOSED ACCEPT IN PRINCIPLE.	Such d	liscontinuities ca				change This co	e the somme	signal_ok nt is relat	definition, tie it t ed to the comm	o the state of ent regarding	LR1 Inner FEC, ILT in coherent F	or ILT state if allowed. MDs. A contribution
	The co	mment does no	t provide sufficient justification	n to support the	suggested remedy.	PROP	, OSED	ACCEP	, T IN PRINCIPLE			

CI 174A SC 174	IA.8.1.7 P6	83 L7	# 405	C/ 179C	SC 179C.	1	P833	L25	# 437
/li, Guangcan	Huaw	ei Technologies Co., Lt		Ran, Adee			Cisco System	s	
Comment Type T	R Comment Status	D on) I	block error ratio (bucket2)	Comment T	Type TR	Comr	ment Status D	al) M	DI References (bucket2)
counters are me says "For p times	he block error ratio method asured independently for ea s, iteratively assign the resu	ach lane. In the determinist of hconv(He(k) , Hm(nation of lane I, step d)	can be	referred to.	·			4 and SFP-DD224 that
	lear what does the p times nes the lengths of blocks? a		s 1 dataset?	i ne am	ienament ca	nnot be final	ized with references	to undefined sp	ecilications.
To repeat the sa	me measurement on the sa eraged over the p times of r	ame lengths of blocks fo					deadline for availabi ey will need to be re		cifications. If they are
SuggestedRemedy				Suggested	Remedy				
please clarify.							ng of Annex 179C sta		
Proposed Response PROPOSED AC	Response Status CEPT IN PRINCIPLE.	w		remove	cations are n ed if specifica bear in D3.1)	itions are no	yet, and that all refer t available by the firs	ences to these o t SA ballot recir	connector types will be culation (i.e. they will
The text is 174A	8.1.7 requires some clarific	ation.		These	notes should	replace the	notes in 179C.2.1 a	nd 179C.2.2.	
	nanges, with editorial licnes	e, on the slide titled "Co	omment #405" (slide 35)	Add sin	nilar notes in	179.11.7.2.	2 and 179.12 where	these connector	rs are mentioned too.
in the following c	ontribution: 802.org/3/dj/public/25 07/b	rown 3di 03b 2507 pd	f	Proposed F	Response	Respo	nse Status 🛛 🛛 🛛 🛛 🛛 🖉		
	002.019/0/0j/public/20_01/b	10wn_00j_00b_2001.pd			OSED ACCE				
C/ 187 SC 187 Ran, Adee		30 <i>L</i> 44 Systems	# 419	connec	tor types def	ined in Anne		pleteness of the	references to the MDI
Comment Type T	R Comment Status	D nmo	n) ILT coherent (bucket2)		0				
	up a link that includes multi			C/ 179C	SC 179C.	2.3	P841	L 40	# 438
	ecifically Figure 178B–7 and so f the PMD type, and even			Ran, Adee		_	Cisco System		
	SE-ER1 and 800GBASE-E		51 ,	Comment T			nent Status D	,	DI References (bucket2)
In PMDs that do	n't have a training protocol,	the "quiet" and "local pa	attern" modes are the				ne recent version of a nent/dl/36947) does		
method of comm	unicating the RTS to the pe			Suggested		0	,		
defined.					the note.				
SuggestedRemedy				Proposed F	Response	Resno	nse Status W		
Add 178B-ILT, R	equired as row in Table 18	7-1 (as in other PMD cla	auses)		DSED ACCE	,			
with mr_training_ training protocol) defined in 186.2.	e under 187 defining the IL enable always set to false . Specify that the 800GBAS 3.12 (which may be genera when tx_mode has the valu	(since 800GBASE-ER1 SE-ER1 FEC encoded F ted by the 800GBASE-	/ER1-20 don't have a PRBS31 test pattern ER1 FEC sublayer) is	The up #434.	date of the refere	eference to S		-	sponse to Comment 224, remove the
Proposed Response PROPOSED AC	Response Status CEPT IN PRINCIPLE.	W							
Resolve using th	e response to comment #4	18.							

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/ 169	SC 169.2.10	P 190	L 52	# 546	C/ 185	SC 185.5.1	P 561	L7	# 549
Maki, Jeffer	ry	Juniper Netwo	rks		Maki, Jeffer	/	Juniper Netv	vorks	
Comment T	Type TR	Comment Status D	nmon	a) ILT coherent (bucket2)	Comment T	/pe TR	Comment Status D	nmo	n) ILT coherent (bucket2)
		BASE-ER1-20, and 800GBAS			SIGNAL	_OK> ILT a	nd ILT> SIGNAL_OK miss	ing from Figure 1	185-3.
		oherent PHY types from using nus ability to receive Ready T			SuggestedR	emedy			
		ne case for IMDD PHY types.		ig for the bining up of the	Add SIG	SNAL_OK> I	LT and ILT> SIGNAL_OK	to Figure 185-3.	Add text in paragraph
Suggested	Remedy					•	T function indicated in Figure	e 185–3 is defined	d in Annex 178B."
		00GBASE-ER1-20, and 8000		ee additional comments	Proposed R	,	Response Status W		
	-	ndatory ILT support for these	PHY types.)				IN PRINCIPLE.		
Proposed F		Response Status W				<u> </u>			
	DSED ACCEPT I	IN PRINCIPLE.			C/ 187	SC 187.1	P630	L 39	# 550
1(0301)	e using the respe				Maki, Jeffer	/	Juniper Net	vorks	
C/ 185	SC 185.1	P 556	L 40	# 547	Comment T		Comment Status D		n) ILT coherent (bucket2)
Maki, Jeffer	ry	Juniper Netwo	rks			ted clause 178 \SE-ER1.	3B—ILT is missing as Requi	ed for 800GBAS	E-ER1-20 and
Comment 7	51	Comment Status D		a) ILT coherent (bucket2)	SuggestedR				
Associa	ated clause 178E	3—ILT is missing as Required	d for 800GBASE	E-LR1.	88	,	e 178B—ILT as Required for		
Suggested	•				ER1.			OUCDAGE-ERI	1-20 and 600GBASE-
	•	178B—ILT as Required for 8	00GBASE-LR1.				Response Status W	UUUUUAU-EN	
Add As Proposed F	sociated clause Response	Response Status W	00GBASE-LR1.		ER1. Proposed R PROPO	esponse SED ACCEP1	Response Status W		
Add As Proposed F PROPC	sociated clause Response DSED ACCEPT I	Response Status W	00GBASE-LR1.		ER1. Proposed R PROPO	esponse SED ACCEP1	Response Status W		
Add As Proposed F PROPC Resolve	sociated clause Response DSED ACCEPT I e using the respo	Response Status W IN PRINCIPLE. onse to comment #418.			ER1. Proposed R PROPC	esponse SED ACCEP1	Response Status W	L27	# <u>551</u>
Add As Proposed F PROPC	sociated clause Response DSED ACCEPT I	Response Status W	00GBASE-LR1.	# 548	ER1. Proposed R PROPO Resolve	esponse SED ACCEPT using the resp SC 187.5	Response Status W I IN PRINCIPLE. ponse to comment #418.	L27	
Add As Proposed F PROPC Resolve	Response DSED ACCEPT I e using the response SC 185.5	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo	L 27		ER1. Proposed R PROPO Resolve CI 187	esponse SED ACCEP1 using the resp SC 187.5	Response Status W TIN PRINCIPLE. ponse to comment #418. P634	L 27 vorks	
Add As Proposed F PROPO Resolve Cl 185 Maki, Jeffer Comment T	Associated clause Response DSED ACCEPT I e using the response SC 185.5 Ty Type TR	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo Comment Status D	L 27 rks าmon	# <u>548</u> n) ILT coherent (bucket2)	ER1. Proposed R PROPO Resolve C/ 187 Maki, Jeffery Comment Ty "Inter-su	esponse SED ACCEPT using the resp SC 187.5 / //pe TR ublayer link trai	Response Status W F IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw	L 27 vorks	# <u>551</u> n) ILT coherent (bucket2)
Add As Proposed F PROPC Resolve Cl 185 Maki, Jeffer Comment 7 "Inter-s	Associated clause Response DSED ACCEPT I e using the response SC 185.5 Ty Type TR ublayer link train	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo	L 27 rks าmon	# <u>548</u> n) ILT coherent (bucket2)	ER1. Proposed R PROPO Resolve CI 187 Maki, Jeffery Comment T "Inter-su specifica	esponse SED ACCEPT using the resp SC 187.5 // //pe TR ublayer link trai ations."	Response Status W F IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw Comment Status D	L 27 vorks	# <u>551</u> n) ILT coherent (bucket2)
Add As Proposed F PROPO Resolve Cl 185 Maki, Jeffer Comment 7 "Inter-s specific	Associated clause Response DSED ACCEPT I e using the response SC 185.5 ry SC 185.5 ry Sype TR ublayer link train cations."	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo Comment Status D	L 27 rks าmon	# <u>548</u> n) ILT coherent (bucket2)	ER1. Proposed R PROPO Resolve CI 187 Maki, Jeffen Comment Ty "Inter-su specifica SuggestedR	esponse SED ACCEPT using the resp SC 187.5 // // // // // // // // // // // // //	Response Status W T IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw Comment Status D ining (ILT) function" is missti	L 27 vorks ng in "187.5 PME	# <u>551</u> n) <i>ILT coherent (bucket2)</i> D functional
Add As Proposed F PROPO Resolve Cl 185 Maki, Jeffer Comment 7 "Inter-s specific Suggested	Associated clause Response DSED ACCEPT I e using the response SC 185.5 Ty Type TR ublayer link train cations." Remedy	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo Comment Status D ing (ILT) function" is missting	L 27 rks 1185.5 PMD	# <u>548</u> a) <i>ILT coherent (bucket2)</i> functional	ER1. Proposed R PROPO Resolve CI 187 Maki, Jeffer Comment Ty "Inter-su specifica Suggested R Add to "	esponse SED ACCEPT using the resp SC 187.5 // //pe TR ublayer link trai ations." // // // Emedy 187.5 PMD fut	Response Status W T IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw Comment Status D ining (ILT) function" is missti	L 27 vorks ng in "187.5 PME o-subclause with a	# 551 n) ILT coherent (bucket2) D functional approprate numbering
Add As Proposed F PROPO Resolve Cl 185 Maki, Jeffer Comment 7 "Inter-s specific Suggestedh Add to	sociated clause Response DSED ACCEPT I e using the response SC 185.5 ry Type TR ublayer link train cations." Remedy "185.5 PMD func	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo Comment Status D	L 27 rks g in "185.5 PMD subclause with a	# <u>548</u> a) <i>ILT coherent (bucket2)</i> functional	ER1. Proposed R PROPO Resolve C/ 187 Maki, Jeffer Comment Ty "Inter-su specifica SuggestedR Add to " entitled function	esponse SED ACCEPT using the resp SC 187.5 / //pe TR ublayer link trai ations." emedy 187.5 PMD fun "Inter-sublayer for a Type O1	Response Status W F IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw Comment Status D ining (ILT) function" is missti nctional specifications" a sut r link training (ILT) function" '	L27 vorks ng in "187.5 PMC o-subclause with a with text "A PMD x 178B. When the	# <u>551</u> n) ILT coherent (bucket2) D functional approprate numbering shall provide the ILT e variable
Add As Proposed F PROPO Resolve Cl 185 Maki, Jeffer Comment 7 "Inter-s specific SuggestedH Add to entitled functior	sociated clause Response DSED ACCEPT I e using the response SC 185.5 ry Type TR ublayer link train cations." Remedy "185.5 PMD fund "Inter-sublayer I n for a Type O1 in	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo Comment Status D ing (ILT) function" is missting ctional specifications" a sub-s ink training (ILT) function" with nterface, specified in Annex	L27 rks g in "185.5 PMD subclause with a th text "A PMD s 178B. When the	# <u>548</u> <i>b) ILT coherent (bucket2)</i> functional approprate numbering shall provide the ILT e variable	ER1. Proposed R PROPO Resolve C/ 187 Maki, Jeffery Comment Ty "Inter-su specifica SuggestedR Add to " entitled function mr_train	esponse SED ACCEPT using the resp SC 187.5 //pe TR ublayer link trai ations." emedy 187.5 PMD fur "Inter-sublayer for a Type O1 ing_enable is	Response Status W F IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw Comment Status D ining (ILT) function" is missti nctional specifications" a sub r link training (ILT) function" ' interface, specified in Anne true, the ILT function is used	L27 vorks ng in "187.5 PMC o-subclause with a with text "A PMD x 178B. When the t to request chang	 # <u>551</u> n) ILT coherent (bucket2) D functional approprate numbering shall provide the ILT e variable ges to the peer
Add As Proposed F PROPO Resolve Cl 185 Maki, Jeffer Comment T "Inter-s specific SuggestedH Add to entitled functior mr trai	sociated clause Response DSED ACCEPT I e using the response SC 185.5 ry Sype TR ublayer link train cations." Remedy "185.5 PMD funct "Inter-sublayer I n for a Type O1 ii ning enable is tr	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo Comment Status D ing (ILT) function" is missting ctional specifications" a sub-s ink training (ILT) function" wit nterface, specified in Annex ue, the ILT function is used to	L27 rks g in "185.5 PMD subclause with a th text "A PMD s 178B. When the o request chang	# <u>548</u> b) <i>ILT coherent (bucket2)</i> functional approprate numbering shall provide the ILT e variable jes to the peer	ER1. Proposed R PROPO Resolve C/ 187 Maki, Jeffer Comment T "Inter-su specifica SuggestedR Add to " entitled function mr_train transmit	esponse SED ACCEPT using the resp SC 187.5 //pe TR ublayer link trai ations." emedy 187.5 PMD fun "Inter-sublayer for a Type O1 ing_enable is ter state (mod	Response Status W F IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw Comment Status D ining (ILT) function" is missti nctional specifications" a sut r link training (ILT) function" '	L27 vorks ng in "187.5 PME o-subclause with a with text "A PMD x 178B. When the I to request chan, precoder state),	 # <u>551</u> n) ILT coherent (bucket2) D functional approprate numbering shall provide the ILT e variable ges to the peer
Add As Proposed F PROPC Resolve Cl 185 Maki, Jeffer Comment 7 "Inter-s specific SuggestedH Add to entitled functior mr_trai transmi	sociated clause Response DSED ACCEPT I e using the response SC 185.5 ry Type TR ublayer link train tations." Remedy "185.5 PMD funct "Inter-sublayer I n for a Type O1 in ning_enable is tr itter state (modul	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo Comment Status D ing (ILT) function" is missting ctional specifications" a sub-s ink training (ILT) function" with nterface, specified in Annex	L27 rks g in "185.5 PMD subclause with a th text "A PMD s 178B. When the o request chang	# <u>548</u> b) <i>ILT coherent (bucket2)</i> functional approprate numbering shall provide the ILT e variable jes to the peer	ER1. Proposed R PROPO Resolve C/ 187 Maki, Jeffer Comment T "Inter-su specifica SuggestedR Add to " entitled function mr_train transmit	esponse SED ACCEPT using the resp SC 187.5 //pe TR ublayer link trai ations." emedy 187.5 PMD fui "Inter-sublayer for a Type O1 ing_enable is ter state (mod nd coordinate f	Response Status W T IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw Comment Status D ining (ILT) function" is missti nctional specifications" a sub r link training (ILT) function" interface, specified in Anne true, the ILT function is used ulation, training pattern, and	L27 vorks ng in "187.5 PME o-subclause with a with text "A PMD x 178B. When the I to request chan, precoder state),	 # <u>551</u> n) ILT coherent (bucket2) D functional approprate numbering shall provide the ILT e variable ges to the peer
Add As Proposed F PROPC Resolve Cl 185 Maki, Jeffer Comment 7 "Inter-s specific SuggestedH Add to entitled functior mr_trai transmi	sociated clause Response DSED ACCEPT I e using the response SC 185.5 ry Type TR ublayer link train cations." Remedy "185.5 PMD funct "Inter-sublayer I in for a Type O1 in ning_enable is tr itter state (modul and coordinate th	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo Comment Status D ing (ILT) function" is missting ctional specifications" a sub-s ink training (ILT) function" wit nterface, specified in Annex ue, the ILT function is used to lation, training pattern, and pr	L27 rks g in "185.5 PMD subclause with a th text "A PMD s 178B. When the o request chang	# <u>548</u> b) <i>ILT coherent (bucket2)</i> functional approprate numbering shall provide the ILT e variable jes to the peer	ER1. Proposed R PROPO Resolve CI 187 Maki, Jeffer Comment Ty "Inter-su specifica SuggestedR Add to " entitled function mr_train transmit state, an Proposed R	esponse SED ACCEPT using the response SC 187.5 (ype TR ublayer link trainations." Permedy 187.5 PMD fun "Inter-sublayer for a Type O1 ing_enable is ter state (mod and coordinate to esponse	Response Status W T IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw Comment Status D ining (ILT) function" is missti nctional specifications" a sub r link training (ILT) function" interface, specified in Anne true, the ILT function is used ulation, training pattern, and the transition to DATA mode	L27 vorks ng in "187.5 PME o-subclause with a with text "A PMD x 178B. When the I to request chan, precoder state),	 # <u>551</u> n) ILT coherent (bucket2) D functional approprate numbering shall provide the ILT e variable ges to the peer
Add As Proposed F PROPO Resolve Cl 185 Maki, Jeffer Comment 7 "Inter-s specific Suggested Add to entitled function mr_trai transmi state, a Proposed F PROPO	sociated clause Response DSED ACCEPT I e using the response SC 185.5 ry Type TR ublayer link train cations." Remedy "185.5 PMD funct "Inter-sublayer I in for a Type O1 in ning_enable is tr itter state (modul and coordinate th Response DSED ACCEPT I	Response Status W IN PRINCIPLE. onse to comment #418. P560 Juniper Netwo Comment Status D ing (ILT) function" is missting ctional specifications" a sub-s ink training (ILT) function" with nterface, specified in Annex ue, the ILT function is used to lation, training pattern, and pr e transition to DATA mode." Response Status W	L27 rks g in "185.5 PMD subclause with a th text "A PMD s 178B. When the o request chang	# <u>548</u> b) <i>ILT coherent (bucket2)</i> functional approprate numbering shall provide the ILT e variable jes to the peer	ER1. Proposed R PROPO Resolve CI 187 Maki, Jeffer Comment Ty "Inter-su specifica SuggestedR Add to " entitled function mr_train transmit state, an Proposed R PROPO	esponse SED ACCEPT using the response SC 187.5 (ype TR ublayer link transitions." Permedy 187.5 PMD fun "Inter-sublayer for a Type O1 ing_enable is ter state (mod ad coordinate for esponse SED ACCEPT	Response Status W T IN PRINCIPLE. ponse to comment #418. P634 Juniper Netw Comment Status D ining (ILT) function" is missti nctional specifications" a sub r link training (ILT) function" interface, specified in Anne true, the ILT function is used ulation, training pattern, and the transition to DATA mode Response Status W	L27 vorks ng in "187.5 PME o-subclause with a with text "A PMD x 178B. When the I to request chan, precoder state),	 # <u>551</u> n) ILT coherent (bucket2) D functional approprate numbering shall provide the ILT e variable ges to the peer

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/ 187 SC 187.5.1 P635 L7 # 552	C/ 177 SC 177.5.5 P339 L6 # 569
Maki, Jeffery Juniper Networks	Nicholl, Shawn AMD
Comment Type TR Comment Status D nmon) ILT coherent (bucket2)	Comment Type TR Comment Status D (Logic) (bucket2
SIGNAL_OK> ILT and ILT> SIGNAL_OK missing from Figure 187-3. SuggestedRemedy Add SIGNAL_OK> ILT and ILT> SIGNAL_OK to Figure 187-3. Add text in paragraph	Current text: " when fas_lock is true (k = 0 to 3). For example, if an Inner FEC codeword has exactly two bits corrected, then Inner_FEC_codeword_error_bin_2 is incremented. Error bin 3 increments when three or more bits are corrected in an Inner FEC codeword."
above stating, "The ILT function indicated in Figure 187–3 is defined in Annex 178B."	The text in Sub-Clause "177.5.5 Inner FEC decode" is inconsistent with "Table 45-212I
Proposed Response Response Status W	Inner FEC codeword error bin register definitions". The MDIO register contains bin_0 through bin_4.
PROPOSED ACCEPT IN PRINCIPLE. Resolve using the response to comment #418.	SuggestedRemedy
C/ 178B SC 178B.2 P786 L 20 # 553 Maki, Jeffery Juniper Networks	Proposed text: " when fas_lock is true (k = 0 to 4). For example, if an Inner FEC codeword has exactly two bits corrected, then Inner_FEC_codeword_error_bin_2 is incremented. Error bin 4 increments when four or more bits are corrected in an Inner FEC codeword."
Comment Type TR Comment Status D Common) ILT scope (bucket2)	Proposed Response Response Status W
The description "ILT supports these functions through the continuous exchange of fixed-	PROPOSED ACCEPT IN PRINCIPLE.
length training frames between peer interfaces in an ISL" indicates training frames are continuously exchanged. The presumed purpose to be continuous would be for the AUI components to update their equalization coeficients yet there is no desription of returning to training such as with recovered clock while continuing to carry real traffic nor is there status	The text in 177.5.5 is correct as written. For Clause 177 Inner FEC, bin 3 counts codewords with 3 or more bits corrected and bin 4
indicators that updated training is occurring.	is not used. For Clause184 Inner FEC, bin 3 counts codewords with 3 bits corrected (only),
SuggestedRemedy Add to "Table 178B–2—Control field structure for E1 interfaces" indicator that updated training is occurring using traffic and recovered clock.	and bin 4 counts codewords with 4 or more bits corrected. The register set in 45.2.1.262 is used for both types of Inner FEC. The register description in 45.2.1.262 should be corrected to reflect this difference.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Resolve using the response to comment #418.	Replace the third paragraph of 45.2.1.262: "The bin 0 register (1.2424, 1.2425) keeps a count of codewords with no bit errors, the bin 1 register (1.2426, 1.2427) keeps a count of codewords with 1 bit error corrected, the bin 2 register (1.2428, 1.2429) keeps a count of codewords with 2 bits corrected, the bin 3 (1.2430, 1.2431) register keeps a count of codewords with 3 bits corrected, and the bin 4 (1.2432, 1.2433) register keeps a count of codewords with 4 or more bits corrected."

With:

"The bin 0 register (1.2424, 1.2425) keeps a count of codewords with no bit errors, the bin 1 register (1.2426, 1.2427) keeps a count of codewords with 1 bit error corrected, and the bin 2 register (1.2428, 1.2429) keeps a count of codewords with 2 bits corrected.

For the inner FEC defined in Clause 184, the bin 3 (1.2430, 1.2431) register keeps a count of codewords with 3 bits corrected, and the bin 4 register (1.2432, 1.2433) register keeps a count of codewords with 4 or more bits corrected.

The inner FEC defined in Clause 177 does not use the bin 4 register, for Clause 177 the bin 3 register keeps a count of codewords with 3 or more bits corrected."

Implement with editorial license.

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 569

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C/ 45	SC 45.2.1.60	c.1	P82	L 21	# 582	C/ 176D	SC 176D.7.2	PT	48	L 45	# 655	
Nicholl, Sh	awn		AMD			Swenson,	Norman	Nokia	i, Point2			
contair	ntly, 45.2.1.60c.1 ns the informatio	n for 1.74.1 re	nformation for gister.	1.74.0 register w	(Logic) (bucket2) hile 45.2.1.60c.2	Comment Type ER Comment Status D 'ectrical) C2M COM (but "COM calculation, as defined in 178A.1, is also used for calibration of noise in the interference tolerance test (see 176D.8.12)." What is the meaning of "also", that is, in addition to w It is not clear, as no other purpose was mentioned here.						
Suggested			is are typically			Suggested	,		luoneu nei	16.		
Propos 45.2.1.	se the following t .60c.1 should co	ntain the infor	mation for 1.74	4.1 register. 45.2	.1.60c.2 should contain	Clarify	(This may be th t of the note belo	ne purpose of the not ongs in the main text			at is the case, I believe nto the sentence in	
the info	ormation for 1.74	.0 register.				Proposed I	Response	Response Status	w			
45.2.1	er words, it shoul .60c.1 800GBAS	E-ER1 ability	(1.74.1)			As not capabi from th	lities of the trans at, COM calcula	ragraph of 176D.7.2, smitter and receiver f ation (which uses the	unctions o model, bu	of the C2M com	ponents". Separately	
read a	,	.1 indicates	as a 800GBA	0GBASE-ER1 PI ASE-ER1 PMA/PN	MA/PMD type. When /ID type.	Move t		ence from the first pa word "also".	• •	the beginning	of the second	
When When	read as a one, b read as a zero, b	it 1.74.0 indica	ates as a 80	00GBASE-ER1-20 E-ER1-20 PMA/PI) PMA/PMD type. MD type.	C/ 179A	SC 179A.5	Pa		L 4	# 658	
	Response	Response S				Swenson, I			i, Point2			
Reorde	OSED ACCEPT er 45.2.1.60c.1 a use, as suggeste	nd 45.2.1.60c	.2 so that bit 1	is the first and b	it 0 the second		s the extra recta	<i>Comment Status</i> ngle labeled Paddle/ d test fixtures in Fig 1	Wire Term	nination shown	<i>CR test fixture (bucket2,</i> in Fig. 179A-2 that is ed in the text.	
C/ 179B Kocsis, Sa	SC 179B.4.2		P 826 Amphenol	L10	# 603	<i>Suggested</i> Clarify	Remedy					
Comment [·]		Comment	•	ferer	nce impedance (bucket2)	Proposed I	Response	Response Status	w			
There ERL co Suggested Add de places Proposed I PROP	is no documente omputation, thou <i>Remedy</i> etails to this Anne where an ERL c	ed procedure for gh one exists ex to documer computation re <i>Response</i> S IN PRINCIPLI	or adjusting the in the COM co at the procedur quires a refere Status W E.	e reference refere ode. re and provide a i	reference for other other than 100-ohm.	The re assem Termir presen structu These	bly and the host ation" are struct t in an HCB (or l res that are not figures provide i	els "Paddle/Wire Terr channel, in Figures ures associated with Mated Test Fixture). documented elsewho Illustration as approp	179A-1, 2, the cable The labels ere in the f riate withir	, and 3. The "F assembly, and s are used to ic figure. n an informativ	Paddle" and "Wire d are not necessarily dentify specific	
	5 1					The su change		/ does not contain su	fficient de	tail for the CR	G to discuss a specific	

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 658

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C/ 116 SC	116.3.2	P156	L14	# 671	C/ 169	SC	169.2.4a	P189	L 47	# 679	
Dawe, Piers		Nvidia			Dawe, Pier	s		Nvidia			
Comment Type	т	Comment Status D		(Common) (bucket2)	Comment	Туре	Е	Comment Status D		(Common) (bucket2	
Now that we	e are used t	o these generic primitives, th	ne IS_ is redund	ant				nent Unit Interface (800GAU		800GAUI-n is defined for	
SuggestedReme	ədy						,	chip-to-module (C2M) impler fis* specified in Annex 120F		6C	
	so that we h	nave e.g. PMA:UNITDATA_i.	request. This n	nay need a maintenance				*is* specified in Annex 120G			
request.					Suggested	Remed	ly				
Proposed Respo		Response Status W			*An* 800 Gb/s Attachment Unit Interface (800GAUI-n) 800GAUI-n is defined for chip-to-						
PROPOSEI		se primitives is consistent wit	h multiple gene	rations of PHY types				module (C2M) implementation n C2C are specified, in Ann		nney 176C	
		not possible to change this fo					800GAUI-			annex 1700.	
		T would make the naming in	consistent and	would therefore cause	Proposed I	Respor	ise	Response Status W			
more proble		solves.			PROP	OSED	ACCEPT I	N PRINCIPLE.			
C/ 116 SC	116.3.3.3	.1 <i>P</i> 161	L16	# 673	Chang		A 44			ala atui a al instanta a surittaira	
Dawe, Piers		Nvidia						nt Unit Interface (800GAUI- or 800GMII Extender. The 8			
Comment Type	TR	Comment Status D		(Common) (bucket2)	· · ·	and ch	ip-to- mod	ule (C2M) implementations.			
communica	tion *with*	. lower sublayer			To: An 800) Gh/s	Attachmer	t Unit Interface (800GAUI-n) provides an e	electrical interface within	
SuggestedReme	ədy							or 800GMII Extender. 800G			
I think this n	neans from,	not with. Needs clarification	n.		and ch	ip-to-m	odule (C2	M) implementations.			
Proposed Resp	onse	Response Status W									
PROPOSEI	D ACCEPT	IN PRINCIPLE.			Chang				1.4 1700		
For the sea	as whore II.	T is supported by the sublay	or(c) the value	OK indicatos that two				specified in Annex 120F an specified in Annex 120G an			
		h the other sublayer is estab	().		To:						
,		,						specified in Annex 120F.			

Note that the resolved comment #165 separates the definitions for the case where a sublayer participates in ILT and a sublayer does not participate in ILT, which will result in improved clarity for the referenced text.

While implementing the resolution to comment #165, clarify the wording cited in this comment (#673), as appropriate.

"The 800GAUI-8 C2C is specified in Annex 120F. The 80GAUI-8 C2M is specified in Annex 120G. The 800GAUI-4 C2C is specified in Annex 176C. The 800GAUI-4 C2M is specified in Annex 176D."

C/ 169	SC 169.	3.2	P191	L17	# 682	C/ 170	SC	170.4.3	P 207	L 7	# 684
Dawe, Pier	s		Nvidia			Dawe, Pie	rs		Nvidia		
Comment T missing		the PH	Comment Status D Y 800GXS above isn't cal	led the PMA ser	(Common) (bucket2) vice interface	<i>Comment</i> There	•••	TR d be major	Comment Status D options for MAC rate, as in 8	1.5.2.3 and 171	(Logic) (bucket2
Suggested	Remedv					Suggested	IReme	dv			
	comma							n into two			
Proposed I	Response		Response Status W			Proposed	Respo	nse	Response Status W		
PROP	OSED ACC	EPT IN	PRINCIPLE.			PROP	OSED	REJECT.			
169.2.4 change	4b)" e:		replaces "Inner FEC or S ne interface between the In	-		comm MAC I	ent po ates (4	ints out tha 40GbE and	as well as the updates to 17 at 81.5.2.3 also defines two a 100GbE) in a slightly different hich is now being carried forw	dditional major ent format, but a	options for the different n updated format was
			XS above called the FEC			C/ 171	SC	171.3.3	P 216	L 2	# 686
to: for prin	aitivoa iaau	od on th	e interface between the I	EEC aublavor (a	a_{2} (160.2.4b) and the	Dawe, Pie	rs		Nvidia		
			XS above, which is called			Comment	Туре	т	Comment Status D		(Logic) (bucket2
Impion	nent with ed	litorial li	00000			avera	ge data	a rate on th	e 800GMII - there are two 8	00GMIIs. Simil	arly in 171.3.3a
Implen			cense.			Suggested	lReme	dy			
<i>Cl</i> 170 Dawe, Pier	SC 170. s	1	Р 202 Nvidia	L12	# 683			data rate a 71.3.3	cross the 800GMII in the PH	Y 800GXS	
Comment T	Туре Т		Comment Status D		(Logic) (bucket2)	Proposed	Respo	nse	Response Status W		
charac S <i>uggested</i> the bel	teristics Remedy	e 800 G	naracteristics of the Recon b/s Reconciliation Sublay		er (RS) *The* RS,	It is ev interfa 800G2 171.3.	vident f ce belo (S and 3a (wit	ow the PH` I not the 80	ct that this note is in subclau Y 800GXS") that it is referring 0GMII below the RS. The sa 'Service interface below PHY	g to the 800`GMI ime applies to tl	I below the PHY ne note in subclause
Proposed I	Response		Response Status W								
•	, OSED REJ										
81, 106	6, and 117.	The cor	' is consistent with langua nment is referring to text ι nded to add support for 1.	unmodified from	802.3df-2024. This						

C/ 173 SC	173.1.1	P 244	L18	# 689	C/ 174	SC 174.2.1	P 248	L 51	# 692
Dawe, Piers		Nvidia			Dawe, Piers		Nvidia		
Comment Type forms	E	Comment Status D		(Logic) (bucket2)	Comment Ty physicall	pe TR y instantiated	Comment Status D		(Common) (bucket2)
SuggestedRemed types	dy				SuggestedRe exposed	emedy			
Proposed Respor	nse	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			Proposed Re	sponse	Response Status W		
To: "This clau bit-multiplexir In 120.1.1, ch From: "This c use bit-multip To: "This clau	use specific ng for 8000 hange line clause spec blexing for 2 use specific	800GBASE-R Physical Lave es the Physical Medium Atta GBASE-R Physical Layer imp 19 on page 183 cifies forms of the Physical M 200GBASE-R and 400GBASE es the Physical Medium Atta GBASE-R and 400GBASE-R	chment (PMA) s lementations." ledium Attachm E-R Physical La chment (PMA) s	ublayer types that use ent (PMA) sublayer that yer implementations." ublayer types that use	instantia	ed interfaces a	are specified at Skew points	"	
C/ 173 SC	173.1.1a	P244	L 35	# 690					
Dawe, Piers		Nvidia							
Comment Type	т	Comment Status D		(Logic) (bucket2)					
supports	dv								
supports	uy								
supports SuggestedRemed		Response Status W							

Dawe, Piers Nvidia Comment Type T Comment Status D (Logic) (bucket SuggestedRemedy Delete the, as in 173 Comment Status D (Logic) (bucket SuggestedRemedy Delete the, as in 173 Comment Status D (Logic) (bucket PROPOSED ACCEPT IN PRINCIPLE. In 16.1.1, change text Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. In 16.1.1, change text MSB Three types of the 4006BASE-R SM-PMA are defined in this clause: 18.1 PMA, 18 PMA, and 19MA. Three types of the 4006BASE-R SM-PMA are defined in this clause: 32.4 PMA, 43.2 PMA, and 4.4 PMA. Proto Step Status W PROPOSED REJECT. MBB tis clause, the term PMA refers specifically to an SM-PMA. Three types of the 4006BASE-R SM-PMA are defined in this clause: 32.4 PMA, 43.2 PMA, and 4.1 PMA. Proto Step Status W PROPOSED REJECT. Note types of the 161BASE-R SM-PMA are defined in this clause: 16.2 PMA, 18 PMA, and 16.1 PMA. Prot types of the 161BASE-R SM-PMA are defined in this clause: 16.2 PMA, 216 PMA, and 22.4 PMA. Prot types of the 161BASE-R SM-PMA are defined in this clause: 16.2 PMA, 216 PMA, and 22.4 PMA. Prot types of the 161BASE-R SM-PMA are defined in this clause: 32.4 PMA, 43.2 PMA, and 32.4 PMA, 43.2 PMA, and 34.4 PMA. Prot types of the 300GBASE-R SM-PMA are defined in this clause: 16.2 PMA, 216 PMA, and 22.4 PMA. Prot types of the 300GBASE-R SM-PMA are defined in this clause: 32.4 PMA, 43.2 PMA	7 176	SC 176.1.1	P288	L18	# 695	C/ 177	SC 1	177.4.5	P333	L25	# 701	
Three types of the - delte the, as in 173 MSB Suggested/Remedy Delete the, as in 173 Delete the, as in 173 PPOPOSED ACCEPT IN PRINCIPLE. In 175.1.1, change text From: "Within this clause, the term PMA refers specifically to the SM-PMA. PROPOSED FL20CERS-ER SM-PMA are defined in this clause: 16.2 PMA, 2:16 PMA, and 2:2 PMA, and 16:16 PMA-* Three types of the 400GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 16:16 PMA-* C/ 116 C 116.1.4 P148 L 10 # [29] Dave, Piers Nvidia Common! blause, the term PMA refers specifically to an SM-PMA. Three types of the 15TBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. P148 L 10 # [29] Three types of the 15TBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. Dave, Piers Nvidia To: "Within this clause. the term PMA refers specifically to an SM-PMA. PMA and 16:16 PMA-* Three types of 1 6TBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 76C to between 119 and 120. Also in 116-3a 4 and 5. Proposed Response Response Status W PROPOSED REJECT. In 173.1.1, make a similar change, From: Nvidia Comment Status D (Common) (bucker the clauses by clause the term PMA refers specifically to the BM-PMA. Bis PMA, and 16:16 PMA.*	Dawe, Piers	;	Nvidia			Dawe, Pie	rs		Nvidia			
Delete the, as in 173 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. In 176.1.1, change text From: ''Within this clause, the term PMA refers specifically to the SM-PMA. Three types of the 200GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of the 300GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of the 15TBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of the 16TBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of the 16TBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of the 16:16 PMA." Three types of 16 BTBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 16:16 PMA." Three types of 16:16 PMA." Three types of 16:16 PMA." Three types of 16:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 16:05BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 16:05BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 16:05BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 16:05BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 16:05BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 16:05BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 10:05BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 10:05BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 00:05BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Three types of 00:05BASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:32 PMA, 8:32 PMA, and 8:3 PMA. Three types of 10:05BASE-R SM-PMA are defined in this clause: 16:8 PMA, Three types of 10:05BASE-R SM-PMA ar					(Logic) (bucket2)		Туре	TR	Comment Status D		(Logic) (bucket2	
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. In 176.1.1, change text From: "Within this clause, the term PMA refers specifically to the SM-PMA. Three types of the 200GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 1:8 PMA, and 1:1 PMA. MSB is defined in 1.5 and is used across the document. Although Galois field arithmetic has no mathematical MSB or LSB, they must be defined to ensure a correct implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first or LSB first) impacts the syndrome calculation when implementation. For example, the order of the bits (MSB first	SuggestedR	Remedy				Suggested	Remed	У				
PROPOSED ACCEPT IN PRINCIPLE. In 176.1.1, change text From: ''Within this clause, the term PMA refers specifically to the SM-PMA. Three types of the 200GBASE-R SM-PMA are defined in this clause: 8:1 PMA, 1:8 PMA, and 2:2 PMA. Three types of the 161BASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, 8:8 PMA, and 16:16 PMA.'' To: ''Within this clause, the term PMA refers specifically to an SM-PMA. Three types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 4:32 PMA, and 2:2 PMA. Three types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, 8:8 PMA, and 16:16 PMA.'' To: ''Within this clause, the term PMA refers specifically to an SM-PMA. Three types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. Three types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. Three types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. Intree types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. Intree types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. Intree types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. Intree types of 10:00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. Intree types of 10:00GBASE-R SM-PMA are defined in this clause: 16:3 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA.'' In right be arranged other than that proposed by the commenter. In 173.1.1, make a similar change, From: ''Within this clause the term PMA refers specifically to the BM-PMA. Three types of 10:00GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA, and 16:16 PMA.'' To: ''Within this clause the term PMA refers specifically to the BM-PMA. Three types of 300GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA. To: ''Within this clause the term PMA refers specific	Delete t	he, as in 173				Define	;					
In 176.1.1, change text From: "Within this clause, the term PMA refers specifically to the SM-PMA. Three types of the 200GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 1:1 PMA. Three types of the 800GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 4:32 PMA, and 4:4 PMA. Four types of the 16 TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." To: "Within this clause, the term PMA refers specifically to an SM-PMA. Three types of 10 E00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 1:8 PMA, and 1:1 PMA. Three types of 10 E00GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 000GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 000GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 01 GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Four types of 01 GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Four types of 01 GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Four types of 01 GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 8:10 PMA, 8:2 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of 11 GBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8: PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of 11 GBASE-R SM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA. Three types of 10 GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA. Three types of 10 GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." There types of 10 GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." Three types of 00 GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." Three types of 10 GBASE-R BM-PMA are defi		•	,						,			
From: "Within this clause, the term PMA refers specifically to the SM-PMA. Three types of the 200GBASE-R SM-PMA are defined in this clause: 8:1 PMA, 1:8 PMA, and 1:1 PMA. Three types of the 400GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. An and 2:2 PMA. P148 L10 # [729] Three types of the 800GBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:32 PMA, and 4:4 PMA. Four types of the 10.TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:16 PMA, 8:16 PMA. Nixia To: "Within this clause, the term PMA refers specifically to an SM-PMA. Three types of 000GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 16:16 PMA." Nixia Comment Status D (Common) (bucket Common)	PROPO	SED ACCEPT I	IN PRINCIPLE.			PROF	OSED F	REJECT.				
Three types of the 400GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Cl 116 SC 116.1.4 P148 L10 # 729 Three types of the 800GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 4:4 PMA. Comment Status D (Common) (bucket Some and the some and	From: "Within t Three ty	this clause, the pes of the 2000				has no impler	o mathei nentatio	matical M n. For ex	ISB or LSB, they must be def ample, the order of the bits (N	ined to ensure /ISB first or LSI	a correct	
Three types of the 800GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 4:4 PMA. Four types of the 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:4 PMA, and 16:16 PMA." To: "Within this clause, the term PMA refers specifically to an SM-PMA. Three types of 200GBASE-R SM-PMA are defined in this clause: 6:1 PMA, 1:8 PMA, and 1:1 PMA. Three types of 200GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 800GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 4:4 PMA. Four types of 100GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 4:4 PMA. Four types of 100GBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:16 PMA, 8:16 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of 1800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." To: "Within this clause the term PMA refers specifically to a BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."			BASE-R SM-PMA are defir	ned in this clause	e: 16:2 PMA, 2:16 PMA,	C/ 116	SC 1	116.1.4	P148	L10	# 729	
and 4:4 PMA. Four types of the 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." To: "Within this clause, the term PMA refers specifically to an SM-PMA. Three types of 200GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 800GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 4:4 PMA. Four types of 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of the 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." To: "Within this clause the term PMA refers specifically to a BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."			CRASE D SM DMA are defin	ad in this clause	N 2214 DNAA 4.22 DNAA	Dawe, Pie	rs		Nvidia			
 8:8 PMA, and 16:16 PMA." To: "Within this clause, the term PMA refers specifically to an SM-PMA. Three types of 200GBASE-R SM-PMA are defined in this clause: 8:1 PMA, 1:8 PMA, and 1:1 PMA. Three types of 400GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. and 2:2 PMA. Torree types of 800GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 4:4 PMA. Four types of 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." 			BASE-R SIM-PIMA are denir	ied in this clause	3. 32.4 PIVIA, 4.32 PIVIA,	Comment Type T Comment Status D (Common) (bucke						
To: "Within this clause, the term PMA refers specifically to an SM-PMA. Three types of 200GBASE-R SM-PMA are defined in this clause: 8:1 PMA, 1:8 PMA, and 1:1 PMA. Three types of 400GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 800GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 4:4 PMA. Four types of 1.6TBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 4:4 PMA. Four types of 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." To: "Within this clause the term PMA refers specifically to a BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."				d in this clause:	16:8 PMA, 8:16 PMA,	There	must be	e a BM Pl	MA below any SM PMA			
 "Within this clause, the term PMA refers specifically to an SM-PMA. Three types of 200GBASE-R SM-PMA are defined in this clause: 8:1 PMA, 1:8 PMA, and 1:1 PMA. Three types of 400GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 800GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 2:2 PMA. Four types of 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of the 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." Move 176 and 176C to between 119 and 120. Also in 116-3a 4 and 5. 		A, and 16:16 PM	IA."			Suggested	Remed	y				
 1:1 PMÅ. Three types of 400GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 800GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 8:8 PMA." Four types of 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." Proposed Response Response Response Response Status W PROPOSED REJECT. This table is not a layer diagram, but rather as stated in the Table title it is a correlation between PHY types and clauses. It is therefore relevant to order the clauses by clause number rather than a particular subjective rule. There are many subjective ways that this table might be arranged other than that proposed by the commenter. 						Move 176 and 176C to between 119 and 120. Also in 116-3a 4 and 5.						
Three types of 400GBASE-R SM-PMA are defined in this clause: 16:2 PMA, 2:16 PMA, and 2:2 PMA. Three types of 800GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 4:4 PMA. Four types of 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of the 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." To: "Within this clause the term PMA refers specifically to a BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."			SE-R SM-PMA are defined	in this clause: 8:	1 PMA, 1:8 PMA, and	Proposed	Respon	se	Response Status W			
Three types of 800GBASE-R SM-PMA are defined in this clause: 32:4 PMA, 4:32 PMA, and 4:4 PMA. Four types of 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of the 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." To: "Within this clause the term PMA refers specifically to a BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."	Three ty	/pes of 400GBA	SE-R SM-PMA are defined	in this clause: 16	6:2 PMA, 2:16 PMA,							
and 4:4 PMA. Four types of 1.6TBASE-R SM-PMA are defined in this clause: 16:8 PMA, 8:16 PMA, 8:8 PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of the 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." To: "Within this clause the term PMA refers specifically to a BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."			SE-R SM-PMA are defined	in this clause: 3		This ta	able is n	ot a layer	diagram, but rather as stated	in the Table ti	tle it is a correlation	
PMA, and 16:16 PMA." In 173.1.1, make a similar change, From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of the 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." To: "Within this clause the term PMA refers specifically to a BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."												
From: "Within this clause the term PMA refers specifically to the BM-PMA. Three types of the 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." To: "Within this clause the term PMA refers specifically to a BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."			E-R SM-PMA are defined in	this clause: 16:8	PMA, 8:16 PMA, 8:8	table i	night be	arrangeo	d other than that proposed by	the commente	r.	
"Within this clause the term PMA refers specifically to the BM-PMA. Three types of the 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA." To: "Within this clause the term PMA refers specifically to a BM-PMA. Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."		I.1, make a simi	lar change,									
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Three types of 800GBASE-R BM-PMA are defined: 32:8 PMA, 8:32 PMA, and 8:8 PMA."	To:											
Implement with editorial license.					PMA, and 8:8 PMA."							
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comp	romise. However,		ave indicated	d some c	k force discussion and oncern with the clarity of

ILT is a mandatory feature for many PMD types so removing Annex 178B would not be an appropriate way to resolve the concern expressed in the comment regarding naming.

There is no consensus to make the proposed change at this time.