CI 30	SC 30.5.1.1.2	P 62	L 30	# 3	CI 45	SC 4	45.2.1.60c	P82	L 4	# 5
Marris, Arthu	ır	Cadence Des	sign Systems		Marris, Ar	thur		Cadence Desi	gn Systems	
Comment Ty	/pe T	Comment Status D		(Logic) (bucket)	Comment	Туре	Е	Comment Status D		(Logic) (bucke
		ASE-DR1-2 should include		ner FEC requirement	Туро,	missing	"2"			
	•	200GBASE-DR1 description	on		Suggestee	dRemed	У			
	200GBASE-R	PCS/PMA over single-mod GBASE-R Inner FEC"	e fiber PMD" to "2	00GBASE-R				B PMA/PMD extended abilit MD extended ability 2 regis		
FC3/FW	IA with type 200				Proposed	Respon	se	Response Status W		
Make sir	milar changes to	400GBASE-DR2-2, 800G	BASE-DR4-2,and	1.6TBASE-DR8-2)	PROF	POSED	ACCEPT.			
		PCS/PMA over single-mod GBASE-LR1 Inner FEC ov			C/ 45 Marris, Art		45.2.1.168b	P 96 Cadence Desi	L 3 an Systems	# 6
Proposed Re	esponse	Response Status W			Comment		Е	Comment Status D	9	(Logic) (bucke
PROPO	SED ACCEPT II	N PRINCIPLE.				•••	word "inter			(20910) (Subito
PCS/PM		PCS/PMA over single-mod GBASE-R Inner FEC over license.			assigr Proposed	ge "The some of the some of the second secon	assignment bits in the	of bits in the PMA/PMD tra PMA/PMD interface training Response Status W		
C/ 45	SC 45.2.1.168	a P 95	L6	# 4	C/ 45	SC 4	45.2.1.258	P109	L 3	# 7
Marris, Arthu	ır	Cadence Des	sign Systems		Marris, Ar	thur		Cadence Desi	an Systems	
Comment Ty Typo "Pl	/pe E RBS" should be	Comment Status D "PRBS31"		(Logic) (bucket)	Comment Corre	<i>Type</i> ct table r	E name	Comment Status D		(Logic) (bucke
SuggestedR	emedy				Suggestee	dRemed	v			
assignm	ent of bits in the	t of bits in the PRBS seed PMA/PMD PRBS31 seed ment of bits in the PMA/P	value lane 0 regis	ter"	Chang	ge "Table	e 45–212g–	-PMA/PMD status 1 register us 1 register bit definitions		to "Table
registers	s" to "The assign	ment of bits in the PMA/PM	MD PRBS31 seed	value lanes 1 through	Proposed	Respon	se	Response Status W		
7 registe	ers" on lines 6 ar	d 7 of page 95			PROF	POSED	ACCEPT.			
Proposed Re	,	Response Status W								
PROPO	SED ACCEPT.									

C/ 116	SC 116.3.2	P156	L 48	# 8	C/ 174A	SC 174	A.4	F	°678	L 3	# 36
Marris, Artl	nur	Cadence Desi	ign Systems		Salvekar, A	tul		Ca	dence Des	sign Systems	
Comment	Туре Е	Comment Status D		(Common) (bucket)	Comment 7	<i>уре</i> т	R	Comment State	ıs D		(Common) (bucke
Suggested Correc Figure Figure Proposed I PROP	Remedy t underlining and s 116–3," to "in Figu 116–3" and under Response OSED ACCEPT IN		16–3a". That is a"	Figure 116–2 and strikethrough "and	genera with a B <i>Suggestedi</i> Change	lly. I belie Binomial I R <i>emedy</i> e "If the ei	ve the c Distributi	orrect term to pution.			s not to be the case ntically distributed (iid)
176	SC 176.7.4.2	d remedy with editorial licen	L16	# 9		errors at the		iid with a Binomi	ol Distribu	tion"	
/arris. Artl		Cadence Desi		π 9	input of	the KS-r	LC ale	nu with a binomi		luon	
		Comment Status D	igh Systems	(Lagia) (buokat)	Change	e other pla	aces in '	174A with editoria	l discretio	on.	
Comment		eds decoding before being s	cont to the DDB	(Logic) (bucket)	Proposed F	Response		Response Statu	s W		
provide enable using s Proposed i PROP Replac No upo	e the word "followe ed by the PRBS31 d), and inverse Gr similar wording in 1 Response OSED ACCEPT IN the word "follow	Response Status W	bllowed by inver ecoder (see 176 ne suggested re	se precoding (if 5.4.3.5)." Also consider medy in 176.7.4.2.	of error A binor expected Cl 175 Salvekar, A Comment 1 Put in 0 Suggested	s on any nial distrib ed within a SC 17! tul ype E Generator Remedy e "X^58 so	other sy bution is a set of 5.2.4.10 R Polynor	mbol. This term is a statistical repr bits or symbols. F Car Comment State	s used bro esentation 2272 dence Des us D	badly throughout n probability the n L 13 sign Systems	
C/ 45	SC 45.2.1.269	P115	L 45	# 10				N PRINCIPLE.			
/larris, Artl	nur	Cadence Desi	ign Systems		The "X	58 scram	ibler" or	h this page is just	a label fo	r this functional b	lock in the figure - e that the block is the
Suggested Chang Proposed I	e "lower" to "botton Remedy e "lower AUI" to "b Response	Comment Status D m" to match Annex 178B no nottom AUI" in two places Response Status W	omenclature	(Logic) (bucket)	"scram title of s scramb In figur from:	bler". It w subclause ler is defi	ould be 175.2.4 ned in th n page	more appropriate	e to use th n page 26 oclause by	ne name of the fu 64. The polynom v reference to Equ	nction as defined in the ial to be used in the
PROP	OSED ACCEPT.				to: "Scram	bler"					

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 37

Page 2 of 81 7/7/2025 1:07:04 PM

C/ 176C	SC	176C.3	P 721	L15	# 40	C/ 180A
Liu, Cathy			Broadcom Inc.			D'Ambrosi
Comment Ty	/pe	т	Comment Status D	ctric	al) (bucket) C2C channel	Comment
channel	could	d have no	one mated connector illustrate connector or up to one conne one connector" for the C2C int	ctor. The figure		The tit optics
SuggestedR						Suggested
00			at the connector is optional.			Chang DR8, 2
Proposed R	espoi	ise	Response Status W			Proposed
	•	ACCEPT.				PROP
C/ 178	SC	178.9.2.6	P 364	L 53	# 48	The co
Mellitz, Rich	ard		Samtec			Comm
Comment Ty	/pe	TR	Comment Status D	Elec	trical) (bucket) TX SCMR	Instea
			V_peak^2 with P_signal. SCI		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	that a
		(eq 179-9				title to
```	,	· ·	- ,			new s secon
SuggestedR		-			10 I III	princip
(		replaced (eq 179-9	V_peak^2 with P_signal. SCI	VIR should be a	aligned with	princip
		ation 178-				The ra
	10 [*] lc	g10(P_sig	gnal / VCM_FB^2)			C/ 178B
Replace						Jones, Ch
	is c	lefined in	179.9.4.1.2			Comment
With B signs	Lic d	ofinad in a	equation 179-8			Use o
- 0			•			review
Proposed R	•	ACCEPT.	Response Status W			Suggested
PROPU	SED	AUGEPT.				chang
						Proposed

C/ 180A	SC 18	0A	P	850	L <b>4</b>	# 51
D'Ambrosia	, John		Futu	rewei, U.S	S. Subsidiary of	of Huawei
Comment 7	Type E	ER C	omment Status	6 D	(C	ptical) Annex title (bucket
The title optics.	e of the A	Annex is inco	prrect. This and	nex only a	ddresses MD	Is for the DR family of
Suggestedl	Remedy					
						BASE-DR4, 1.6TBASE- and 1.6TBASE-DR8-2
Proposed F	Response	e Re	sponse Status	w		
PROPO	OSED RE	EJECT.				
The co	mment p	roposes to re	e-introduce the	title from	D1.4.	
second	paragrap		e 180A-1." The	resolution	n to comment	view" encompassing the #19 was "Accept in
• •	ionale pro	ovided in the	e comment #19	applies t	o this new cor	nment.
• •	ionale pro		e comment #19	) applies t 789	o this new cor	nment. # 54
The rat	SC 17		e comment #19	••	L <b>2</b>	
The rat	SC 17	8B.5.2	e comment #19	789 o System	L <b>2</b>	
The rat Cl <b>178B</b> Jones, Cha Comment 7 Use of	SC 17 d f <i>ype</i> E the word	8 <b>B.5.2</b> E C guarantee, i	e comment #19 P Cisc omment Status	789 o System s D This will li	L 2 s, Inc. kely be flagge	# 54
The rat Cl <b>178B</b> Jones, Cha Comment 7 Use of	SC 17 d fype E the word will likely	8 <b>B.5.2</b> E C guarantee, i	e comment #19 P Cisc omment Status n two places.	789 o System s D This will li	L 2 s, Inc. kely be flagge	# <u>54</u> (Common) (bucket) IL
The rat Cl <b>178B</b> Jones, Cha Comment 7 Use of review Suggested	SC 17 d Fype E the word will likely Remedy	8B.5.2 E C guarantee, i recommend	e comment #19 P Cisc omment Status n two places.	789 o System s D This will lil with "help	L2 s, Inc. kely be flagged s ensure".	# 5 <u>4</u> ( <i>Common) (bucket) IL</i> d during MEC. Staff

C/ 178B SC 178B.14	.2.1 P804	L15	# 55	C/ 174	SC 174	4.2.11	P 250	L 26	# 58
lones, Chad	Cisco System	ns, Inc.		Jones, Cha	ad		Cisco Systems	s, Inc.	
Comment Type E	Comment Status D		(Common) (bucket) ILT	Comment	Туре Е	Ξ	Comment Status D		(Common) (bucket
	. This will likely be flagged du	ring MEC. Staff	review would likely	Use of	"may".				
recommend to replace	e with "help reduce".			Suggested	Remedy				
SuggestedRemedy change "avoid" to "hel	In reduce"			change	e "may op	tionally	support" to "optionally suppo	rts"	
Proposed Response	Response Status W			Proposed I	'		Response Status W		
PROPOSED ACCEP	,			PROP	OSED AC	CEPT.			
		/ 00		C/ 119	SC 11	9.2.4.1	P <b>174</b>	L <b>52</b>	# 67
C/ 73 SC 73.4.1	P129	L <b>26</b>	# 56	Bruckman,	Leon		Nvidia		
Jones, Chad	Cisco System	ns, Inc.		Comment	Туре Е	ER	Comment Status D		(Logic) (bucket
Comment Type E Use of "may".	Comment Status D		(Logic) (bucket)	Missin	g dot				
,				Suggested	Remedy				
SuggestedRemedy replace "may be" with	"are"			Add a	dot at the	end of t	he phrase (after "payload")		
Proposed Response				Proposed I			Response Status W		
PROPOSED REJECT	Response Status W			PROP	OSED AC	CEPT.			
	ot provide justification for the	suggested reme	dy.	C/ 175	SC 17	5.1.3	P 261	L10	# 69
The IEEE SA standar	ds style manual states "The w	ord may is used	I to indicate a course of	Bruckman,	Leon		Nvidia		
action permissible wit	hin the limits of the standard (	may equals is p	ermitted to)".	Comment	Туре Т	ſR	Comment Status D		(Logic) (bucket)
advertised by the Auto	may" in the text referred to in p-Negotiation process simulta mitted to advertise multiple te	neously" is appr	opriate because it is	here. I		ted in si	and signaling" is an optional milar sections in 802.3df (880 S)		
	•	0		Suggested	Remedy				
C/ 169 SC 169.2.9	P190	L <b>25</b>	# 57				FEC degrade detection and s		
Jones, Chad	Cisco System	ns, Inc.			· ·	,	end of the text for this bullet		
Comment Type E	Comment Status D		(Common) (bucket)	Proposed I	Response OSED RE		Response Status W		
Use of "may".				FEC d	egrade sig	gnaling i	s required. Only the FEC de		
SuggestedRemedy	ly support" to "optionally supp	orts"					tion is an optional feature or 9 does not mean it should no		
		0113					re to warrent being listed in the		
Proposed Response PROPOSED ACCEP	Response Status W			5		-	č	,	
THOPOSED ACCEP									

C/ 175 SC 175.2	1 P <b>263</b>	L10	# 70	Cl 175	SC 175.	2.6.2.2	P <b>276</b>	L <b>20</b>	# 72
Bruckman, Leon	Nvidia			Bruckman,	Leon		Nvidia		
Comment Type TR	Comment Status D		(Logic) (bucket)	Comment	Гуре ТБ	Com	ment Status D		(Logic) (bucket)
	yer, and inner FEC shall be cap	italized		The be definition		_ser is specifi	ed in 175.2.5.3. No	need to detail it	in the variables
And in line 13 chan Proposed Response PROPOSED ACCE The PCS communi- the same time); the "When communical When referring to th Change instances of	cates with either a PMA sublaye refore, the singular "sublayer" is ing with the PMA or inner FEC s le Inner FEC sublayer, the "I" sh f "inner FEC" to "Inner FEC" thr	r or an Inner FE correct. The co sublayer, the 1.6 ould indeed be	C sublayer (not both at ntext is: ITBASE-R PCS uses" capitalized.	(see 17 Proposed F PROPO The su be cha howevo definitio	e the definit 72.2.5.3). C Response DSED REJ ggested rei nged to sor er, the defir on of hi_se	therwise, this Respo ECT. nedy is a circ nething like "E ition is correc in 119.2.6.2	variable is set to fa onse Status <b>W</b> ular definition using Boolean variable tha t as written and is w - it only removes the	"hi_ser" to defin at is asserted as vorded almost ex e MDIO mapping	ue if hi_ser is asserted e "hi_ser". This could defined in 175.2.5.3"; ractly the same as the description - so that
Inner FEC sublayer Implement with edit [Editor's note: CC: 4 C/ 175 SC 175.2	orial license. 15, 175, 184] 5.3 P 273	L <b>50</b>	# [71	175.2.5 where this succross-r	5.3 does no hi_ser is de ccinct defin eferences.	t actually have scribed in the tion immediat	e this definition, but text, so it is much	only has a cross more convenient d of needing to t	400G PCS. In addition, s-reference to 119.2.5.3 for the reader to have rack through multiple
Bruckman, Leon	Nvidia Comment Status D		(Lenie) (hundred)	Cl 175	SC 175.	2.6.2.4	P <b>277</b>	L17	# 73
Comment Type TR There may be unde			(Logic) (bucket)	Bruckman,	Leon		Nvidia		
SuggestedRemedy				Comment T The tex			<i>ment Status</i> <b>D</b> counter is different	from the one in 1	(Logic) (bucket) 19.2.6.2.4
	t were not corrected" detected but not corrected" <i>Response Status</i> <b>W</b> PT.			codewo Proposed I PROPO This co name i This w resolut <https:< td=""><td>e the definitords contain Response DSED REJ pointer definin n 119.2.6.4 as discusse ion of the 8</td><td>ing normal al Respo ECT. tion is indeed . However, it i d at length ar 02.3df standa</td><td>ignment marker par onse Status W worded slightly diff matches the wordin id the wording was rd. See comment # omments/D3p0/802</td><td>vload sequences erently from the g of the same co carefully refined #I-80 in</td><td>nterval of 32768 FEC ." counter of the same unter in 172.2.6.2.4. during the comment nents_final_clause.pdf&gt;.</td></https:<>	e the definitords contain Response DSED REJ pointer definin n 119.2.6.4 as discusse ion of the 8	ing normal al Respo ECT. tion is indeed . However, it i d at length ar 02.3df standa	ignment marker par onse Status W worded slightly diff matches the wordin id the wording was rd. See comment # omments/D3p0/802	vload sequences erently from the g of the same co carefully refined #I-80 in	nterval of 32768 FEC ." counter of the same unter in 172.2.6.2.4. during the comment nents_final_clause.pdf>.

C/ 176	SC 176.1.4	P 290	L35	# 74	C/ 176	SC 1	176.2	P 292	L <b>51</b>	# 76
Bruckman, Le	eon	Nvidia			Bruckman	, Leon		Nvidia		
Comment Ty	pe TR	Comment Status D		(Logic) (bucket)	Comment	Туре	TR	Comment Status D		(Logic) (bucket
		quired in all cases described Delay alternating PCSLs by t				sistent n 294 line		th the paragraphs above. See	e similar paragra	aph in section 176.3
SuggestedRe	emedy				Suggested	Remed	У			
		al function that are not neces	sarily needed in	all cases then delete:	Chang	ge: "from	the subl	ayer above the PMA" to: "from	m the client sub	layer"
		400GBASE-R PMAs". trictions then indicate for whi	ch casas aach fi	Inction is used	Proposed	Respon	se	Response Status W		
	g to the releva		chi cases each h		PROF	OSED /	ACCEPT.			
Proposed Re	sponse	Response Status W								
•	, SED REJECT	•			C/ 176	SC 1	176.3	P <b>294</b>	L <b>12</b>	# 77
					Bruckman	, Leon		Nvidia		
		general functions used by the cific to the 200GBASE-R and			Comment	Туре	TR	Comment Status D		(Logic) (bucket
way RS-F	FEC codewor	d interleaving and is called or all SM PMAs when required.						GNAL_OK is being considere more deltailed.	d. In the similar	paragraph of section
	,	·			Suggestee	Remed	У			
	SC 176.1.5	P 291	L 23	# 75	to: "th	e receiv	ed SIGN/	SIGNAL_OK value." AL_OK parameter from the st est(SIGNAL_OK))."	ublayer above th	ne PMA
Bruckman, Le		Nvidia			Proposed			Response Status W		
Comment Typ		Comment Status D		(Logic) (bucket)	,	,	ACCEPT.	,		
		6-2 no need for a foot note to	limit the XAUI-m	to a single value.	FROF	OSED /	ACCEPT.			
SuggestedRe					C/ 176	SC 1	176.4.1	P <b>296</b>	L <b>8</b>	# 78
	176-1 and 17 UI-16 and rem	6-2 change: xAUI-m instance	s that are tagge	d with the footnote "a"	Bruckman	, Leon		Nvidia		
Proposed Re		Response Status W			Comment	Туре	TR	Comment Status D		(Logic) (bucket
•	SED REJECT	,			Missir	ig arrow	head			
					Suggested	dRemed	V			
		176-2 support all four rates us			•••			he input to the PAM4 decode	process	
		as in the suggested remedy remedy does not improve the			Proposed	Respon	se	Response Status W		
						,	ACCEPT.			
						00207				

C/ 176 SC 176.4	2.3.1 P 298	L <b>3</b>	# 79	Cl 177	SC 177.1.3	P 326	L7	# 82
Bruckman, Leon	Nvidia			Bruckman,	Leon	Nvidia		
Comment Type TR	Comment Status D		(Logic) (bucket)	Comment	Туре Е	Comment Status D		(Logic) (bucke
The same informati	on is provided in the text and in	the eqautions be	elow	The co	nvolutial interlea	ver is "a convolutional interle	aver"	
SuggestedRemedy				Suggested	Remedy			
	GBASE-R 8:1 PMA, it equals I			Chang	e: "using the cor	volutional interleaver" to: "us	ing a convolutio	nal interleaver"
	PMA, it equals N × 136 RS-FE I this text: "where N is an intege		e N is an integer."	Proposed I	,	Response Status W		
Proposed Response	Response Status W			PROP	OSED ACCEPT			
PROPOSED REJE	CT.			C/ 177	SC 177.2	P <b>328</b>	L <b>21</b>	# 83
The draft is correct	as written. The suggested reme	edy does not imp	rove the accuracy or	Bruckman,	Leon	Nvidia		
clarity of the text.				Comment	Type ER	Comment Status D		(Logic) (bucke
C/ 176 SC 176.4	3.2 P 305	L16	# 80			d in adjacent paragraphs. In t		
Bruckman, Leon	Nvidia	-				ed." and in the next paragrap are unspecified.	h: "the correspo	onding rx_symbol
Comment Type TR	Comment Status D		(Logic) (bucket)	Suggested				
51	on there are processes not ste	ps	(=-9.0) (0.0)	00		both paragraphs.		
SuggestedRemedy						the two last paragraphs of 17	7.3	
	t steps" to: "to the next steps p	rocesses"		Proposed I	Response	Response Status W		
Proposed Response	Response Status W			-	OSED ACCEPT	-		
PROPOSED ACCE	,			Use th	e same languag	e as rx side.		
				Cl 177	SC 177.4.2	P331	L <b>30</b>	# 84
receive function".	e next steps in the receive funct	tion flow" to "to th	e next process in the	Bruckman,	Leon	Nvidia		
				Comment	Туре Е	Comment Status D		(Logic) (bucke
C/ 176 SC 176.7	2 P316	L 28	# 81	Missin	g word			
Bruckman, Leon	Nvidia			Suggested	Remedy			
Comment Type ER	Comment Status D		(Logic) (bucket)	Chang	e: "The data fror	n deskewed PMA lane" to: "T	he data from a d	deskewed PMA lane"
Missing word				Proposed I	Response	Response Status W		
SuggestedRemedy					OSED ACCEPT			
Change: "When loc	al loopback mode enabled" to:	"When local loop	back mode is enabled"	Resolv	e using the resp	onse to comment #184.		
Proposed Response	Response Status W							
	PT.							

Cl 177	SC 177.4.7.3	P336	L <b>4</b>	# 85	C/ 177	SC 177.5.8	P 339
Bruckman,	Leon	Nvidia			Bruckman,	Leon	Nvidia
Comment	Type <b>TR</b>	Comment Status D		(Logic) (bucket)	Comment	Type <b>TR</b>	Comment Status D
The bit	pair interleaving	function for the pad field is r	not described.		The co	onvolutional interle	eaver function is not trivial. N
Suggested	Remedy				Suggestea	Remedy	
		e bit-pair interleaving fucntio			Add a	figure that describ	es the convolutional deinter
		FEC encoding, the eight pa as decribed in 177.4.6".	d flows of Inner F	EC codewords shall	Proposed	Response	Response Status W
Also re	efer to comment a	gainst the figures in Clause on function liocation.	177 vs the ones	in Annex 177A	-	OSED ACCEPT II gure to illustrate th	N PRINCIPLE. le convolutional deinterleavir
Proposed I	•	Response Status W			C/ 177	SC 177.6.1.1	P 339
	OSED ACCEPT I		rlooving oo "Tho	9 pad aadawarda ara	Bruckman,	Leon	Nvidia
		4, describing the bit-pair inte described in 177.4.6"	meaving as the	o pau couewords are	Comment	Type ER	Comment Status D
	-		10	# 22	Missin		
C/ 177	SC 177.5.2	P337	L9	# 86	Suggested	Remedy	
Bruckman,		Nvidia			00		y Inner FEC sublayer" to: "is
Comment		Comment Status D	the state diagra	(Logic) (bucket)	Proposed	Response	Response Status W
177-10		t to frame the data stream ir	i the state diagra	in shown in Figure	PROP	OSED ACCEPT.	
Suggested	Remedy				01.477	00 477 0 0 0	D040
		ewords inserted as pad (see			C/ 177	SC 177.6.2.3	P 340
		noved before the received days inserted as pad (see 177.			Bruckman,		Nvidia
		is processed further."			Comment		Comment Status <b>D</b> vn in Figure 177-2.
Proposed I	Response	Response Status W					
PROP	OSED ACCEPT.				Suggested	-	ed by Inner FEC test pattern
C/ 177	SC 177.5.5	P339	L11	# 87			,
			<i>L</i> 11	# 07	Proposed	OSED REJECT.	Response Status W
Bruckman, <i>Comment</i> ⁻		Nvidia Comment Status D		(Laria) (huakat)	-		5.2.3, this checker is not par
	51	arding when are the 8 parity	bits removed	(Logic) (bucket)	Inner F	EC.	
		aroning when are the o pailty	Sits removed				
Suggested		ction: "Parity bits are then re	moved from eac	h Innor EEC codoword"			

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 177	SC	177.5.8	P 339	L 26	# 88
Bruckman,	Leon		Nvidia		
Comment 7	Туре	TR	Comment Status D		(Logic) (bucket
The co	nvoluti	onal interle	eaver function is not trivial. N	leeds a more de	tailed description
Suggested	Reme	ly			
Add a f	figure t	hat describ	pes the convolutional deinter	leaver (refer to 1	84.5.8)
Proposed F	Respoi	nse	Response Status W		
-			N PRINCIPLE. ne convolutional deinterleavi	ng process.	
C/ 177	SC	177.6.1.1	P 339	L 44	# 89
Bruckman,	Leon		Nvidia		
-	<b>T</b>		Comment Status D		(Logic) (bucket
Comment T Missing Suggested Change	g "the" <i>Reme</i> o			s processed by t	he Inner FEC sublayer"
Missing Suggested Chang Proposed F	g "the" <i>Reme</i> c e: "is p R <i>espor</i>	<i>dy</i> rocessed b	by Inner FEC sublayer" to: "is Response Status W	s processed by t	he Inner FEC sublayer"
Missing Suggested Chang Proposed F	g "the" <i>Remec</i> e: "is p R <i>espor</i> OSED	dy rocessed b nse	by Inner FEC sublayer" to: "i	s processed by t	he Inner FEC sublayer" # <u>90</u>
Missing Suggested Chang Proposed F PROPO	g "the" Remed e: "is p Respor OSED	dy rocessed b nse ACCEPT.	oy Inner FEC sublayer" to: "is Response Status W		
Missing Suggested Chang Proposed F PROPO CI 177 Bruckman, Comment	g "the" Remea e: "is p Respor OSED SC Leon Type	dy rocessed b nse ACCEPT. 177.6.2.3 TR	by Inner FEC sublayer" to: "is Response Status W P <b>340</b>		
Missing Suggested Chang Proposed F PROPO CI 177 Bruckman, Comment	g "the" Remed e: "is p Respor OSED SC Leon Type necker	dy rocessed to nse ACCEPT. 177.6.2.3 TR is not show	by Inner FEC sublayer" to: "is Response Status W P340 Nvidia Comment Status D		# 90
Missing Suggested Chang Proposed F PROPO Cl 177 Bruckman, Comment T This ch Suggested	g "the" Remedee: "is p Respon OSED SC Leon Type necker Remed	ty rocessed to nse ACCEPT. 177.6.2.3 TR is not show	by Inner FEC sublayer" to: "is Response Status W P340 Nvidia Comment Status D	L <b>41</b>	# 90 (Logic) (bucket
Missing Suggested Chang Proposed F PROPO Cl 177 Bruckman, Comment T This ch Suggested	g "the" Remed e: "is p Respor OSED SC Leon Type necker Remed e PRB	dy rocessed b ase ACCEPT. <b>177.6.2.3</b> <b>TR</b> is not show dy S31 encod	by Inner FEC sublayer" to: "is Response Status W P <b>340</b> Nvidia Comment Status D vn in Figure 177-2.	L <b>41</b>	# <u>90</u> (Logic) (bucket

C/ <b>178</b> SC	C 178.1	P 357	L1	# 91	C/ 185 S	C 185.1	P 556	L <b>45</b>	# 95
Bruckman, Leor	n	Nvidia			Bruckman, Leo	n	Nvidia		
Comment Type	ER	Comment Status D		(Electrical) (bucket)	Comment Type	e ER	Comment Status D		(Optical) (bucket
Table 178-4	4 footnotes a	are in the next page			Wrong sing	gular in note	C		
SuggestedRem	edy				SuggestedRem	nedy			
Make sure t table.	the footnotes	s of Table 178-4 are in the sa	ime page with t	heir correspondent			ne or two 800GAUI-n is imple GAUI-n are implemented"	emented"	
Proposed Resp	onse	Response Status W			Proposed Resp	oonse	Response Status W		
	nent of tables	s and footnotes may change			PROPOSE	D ACCEPT			
The publica	tion editor w	ill address such changes for	the final versio	n.	C/ 185 S	C 185.6	P <b>563</b>	L <b>51</b>	# 96
C/ <b>183</b> SC	C 183.1	P 505	L 48	# 93	Bruckman, Leo	n	Nvidia		
Bruckman, Leor	n	Nvidia			Comment Type		Comment Status D		(Optical) (bucket
Comment Type	ER	Comment Status D		(Optical) (bucket)	An 800GBA requiremen		MD that supports 10Km is ob	viously complain	t sinc ethis is the
Wrong sing	ular in note	С			SuggestedRem				
SuggestedRem	edy				••	•	a over 10 km would most the	operating range	requirement of 2 m to
In note c ch	ange: "If one	e or two 800GAUI-n is impler AUI-n are implemented"	nented"		Change: "c 10 km"	ould operate	e over 10 km would meet the r 12 km would meet the oper		
In note c ch	nange: "If one or two 800G		nented"		Change: "c 10 km"	ould operate			
In note c ch To: "If one c Proposed Resp	nange: "If one or two 800G	AUI-n are implemented"	nented"		Change: "c 10 km" To: "could c	ould operate	r 12 km would meet the oper Response Status W		
In note c ch To: "If one c Proposed Resp PROPOSEI	nange: "If one or two 800G, ponse	AUI-n are implemented"	nented" L12	# 94	Change: "c 10 km" To: "could o km" Proposed Resp PROPOSE	ould operate operate ove oonse D ACCEPT	er 12 km would meet the oper Response Status W	rating range requ	irement of 2 m to 10
In note c ch To: "If one c Proposed Resp PROPOSEI	c 184.5.8	AUI-n are implemented" Response Status W		# 94	Change: "cc 10 km" To: "could o km" Proposed Resp PROPOSE Cl 186 St	ould operate operate ove oonse D ACCEPT C 186.2.3.5	r 12 km would meet the oper Response Status W 5.9 P589		
In note c ch To: "If one c Proposed Resp PROPOSEI CI 184 SC	nange: "If one or two 800G, onse D ACCEPT. C <b>184.5.8</b> n	AUI-n are implemented" Response Status W P <b>544</b>		# 94 (Logic) (bucket)	Change: "c 10 km" To: "could o km" Proposed Resp PROPOSE C/ 186 Su Bruckman, Leo	ould operate operate ove D ACCEPT C 186.2.3.5 n	r 12 km would meet the oper Response Status W 5.9 P589 Nvidia	rating range requ	# <u>99</u>
In note c ch To: "If one c Proposed Resp PROPOSEI C/ 184 SC Bruckman, Leor Comment Type	TR	AUI-n are implemented" <i>Response Status</i> W <i>P</i> 544 Nvidia	L12		Change: "c 10 km" To: "could o km" Proposed Resp PROPOSE C/ 186 So Bruckman, Leon Comment Type	ould operate operate ove D ACCEPT C 186.2.3.5 n ER	r 12 km would meet the oper <i>Response Status</i> W 5.9 <i>P</i> 589 Nvidia <i>Comment Status</i> D	rating range requ	# <u>99</u>
In note c ch To: "If one c Proposed Resp PROPOSEI C/ 184 SC Bruckman, Leor Comment Type This section	ange: "If one or two 800G onse D ACCEPT. C 184.5.8 n TR n describes t	AUI-n are implemented" Response Status W P544 Nvidia Comment Status D	L12		Change: "cc 10 km" To: "could o km" Proposed Resp PROPOSE Cl 186 Su Bruckman, Leon Comment Type Text in this	ould operate operate ove D ACCEPT C 186.2.3.5 n ER paragraph	r 12 km would meet the oper Response Status W 5.9 P589 Nvidia	rating range requ	# <u>99</u>
In note c ch To: "If one c Proposed Resp PROPOSEI C/ 184 SC Bruckman, Leor Comment Type This section SuggestedRem	TR n describes t edy	AUI-n are implemented" Response Status W P544 Nvidia Comment Status D	L 12 rleaver	(Logic) (bucket)	Change: "cc 10 km" To: "could o km" Proposed Resp PROPOSE Cl 186 St Bruckman, Leon Comment Type Text in this SuggestedRem	ould operate operate ove onse D ACCEPT C 186.2.3.5 n ER paragraph aedy	r 12 km would meet the oper Response Status W 5.9 P 589 Nvidia Comment Status D can be improved	L2	irement of 2 m to 10 # <u>99</u> (Logic) (bucket
In note c ch To: "If one c Proposed Resp PROPOSEI C/ 184 SC Bruckman, Leor Comment Type This section SuggestedRem	TR n describes t econvolutic conse	AUI-n are implemented" <i>Response Status</i> W <i>P</i> 544 Nvidia <i>Comment Status</i> D the deinterleaver, not the inte	L 12 rleaver	(Logic) (bucket)	Change: "cc 10 km" To: "could of km" Proposed Resp PROPOSE Cl 186 St Bruckman, Leo Comment Type Text in this SuggestedRem Change: "th frame" To "the test	ould operate operate ove D ACCEPT C 186.2.3.5 n ER paragraph nedy ne test patter t pattern is g	r 12 km would meet the oper <i>Response Status</i> W <b>5.9</b> <i>P</i> <b>589</b> Nvidia <i>Comment Status</i> D can be improved ern is generated using the clo generated using the same clo	L 2	irement of 2 m to 10 # <u>99</u> <i>(Logic) (bucket</i> BASE-ER1 tributary
In note c ch To: "If one c Proposed Resp PROPOSEI C/ 184 SC Bruckman, Leor Comment Type This section SuggestedRem Change: "th Proposed Resp	TR n describes t econvolutic conse	AUI-n are implemented" <i>Response Status</i> W <i>P</i> 544 <i>Nvidia</i> <i>Comment Status</i> D the deinterleaver, not the inter onal interleaver process" to: "	L 12 rleaver	(Logic) (bucket)	Change: "cr 10 km" To: "could of km" Proposed Resp PROPOSE Cl 186 St Bruckman, Leon Comment Type Text in this SuggestedRem Change: "th frame" To "the test 800GBASE	ould operate operate ove onse D ACCEPT C 186.2.3.5 n ER paragraph bedy he test patter t pattern is g E-ER1 tribut	r 12 km would meet the oper <i>Response Status</i> W <b>5.9</b> <i>P</i> <b>589</b> Nvidia <i>Comment Status</i> D can be improved ern is generated using the clo generated using the same clo ary frame"	L 2	irement of 2 m to 10 # <u>99</u> <i>(Logic) (bucket</i> ) BASE-ER1 tributary
In note c ch To: "If one c Proposed Resp PROPOSEI C/ 184 SC Bruckman, Leor Comment Type This section SuggestedRem Change: "th Proposed Resp	TR n describes t econvolutic conse	AUI-n are implemented" <i>Response Status</i> W <i>P</i> 544 <i>Nvidia</i> <i>Comment Status</i> D the deinterleaver, not the inter onal interleaver process" to: "	L 12 rleaver	(Logic) (bucket)	Change: "cr 10 km" To: "could o km" Proposed Resp PROPOSE Cl 186 St Bruckman, Leo Comment Type Text in this SuggestedRem Change: "th frame" To "the test 800GBASE Proposed Resp	ould operation operate over onse D ACCEPT C 186.2.3.5 n ER paragraph ne test patter t pattern is g c-ER1 tribut oonse	r 12 km would meet the oper <i>Response Status</i> W <b>5.9</b> <i>P</i> <b>589</b> Nvidia <i>Comment Status</i> D can be improved ern is generated using the clo generated using the same clo	L 2	irement of 2 m to 10 # <u>99</u> <i>(Logic) (bucke</i> BASE-ER1 tributary

C/ 186 SC 186.2.3.5.	10 P 589	L10	# 100	C/ 187	SC 187.5.1	P <b>634</b>	L31	# 103
Bruckman, Leon	Nvidia			Bruckman, L	.eon	Nvidia		
Comment Type ER	Comment Status D		(Logic) (bucket)	Comment Ty	vpe ER	Comment Status D		(Optical) (bucket,
Missing "the"				Text car	be improved	to be consistent with other sin	nilar PMD clause	es
SuggestedRemedy				SuggestedR	emedy			
Change: "by 800GBAS"	E-ER1 FEC" to "by the 8000	GBASE-ER1 FEC				ram for the transmit/receive pa		
Proposed Response	Response Status W					MD is shown in Figure 187–4.		
PROPOSED ACCEPT.				Proposed Re		Response Status W		
C/ 186 SC 186.2.4.6.	1 <i>P</i> 595	L <b>40</b>	# 101			IN PRINCIPLE.		
	Nvidia	L 40	# 101	Change				o <del>7</del> o 1 1 1
Bruckman, Leon Comment Type <b>ER</b>	Comment Status D		(Logic) (bucket)			ne transmit/receive paths is sh shown in Figure 187–4."	own in Figure 1	87-3 and a block
Strange character			(LOGIC) (DUCKEI)	to		0		
SuggestedRemedy				"A block diagram	diagram for th	ne PMD transmit/receive paths shown in Figure 187–4."	s is shown in Fig	jure 187–3 and a block
Change: "multi0frame"	to "multi-frame"							
Proposed Response	Response Status W			C/ 187	SC 187.6	P <b>637</b>	L <b>54</b>	# 104
PROPOSED ACCEPT.	Response Status W			Bruckman, L		Nvidia		
				Comment Ty	,	Comment Status D		(Optical) (bucket
C/ 186 SC 186.2.4.9.	3 P 597	L32	# 102	An 8000 requirem		MD that supports 40Km is obv	viously complain	it sinc ethis is the
Bruckman, Leon	Nvidia			SuggestedR				
Comment Type ER	Comment Status D		(Logic) (bucket)	00		e over 40 km would meet the	operating range	requirement of 2 m to
Inconsistent lenguage				40 km"				
SuggestedRemedy				To: "cou km"	ld operate ove	er 45 km would meet the opera	iting range requi	irement of 2 m to 40
	nt marker location feature is er_location_ability is set to 1		by the FFC control	Proposed Re	esnonse	Response Status W		
	t_marker_location_enable (			•	SED ACCEPT	,		
	arker location feature is sup							
	er_location_ability is set to 1 r_location_enable is set to 2		(FEC control variable					
Proposed Response	Response Status W							
PROPOSED ACCEPT	•							
Change the text to read	"If the alignment market lo		supported					
(FEC alignment marke								

C/ 174A	SC 174A.3	P677	L <b>44</b>	# 105	C/ 176C	SC 17	76C.6.3.1	P <b>724</b>	L35	# 109
Bruckman,	Leon	Nvidia			Bruckman, I	_eon		Nvidia		
Comment T	Type ER	Comment Status D		(Common) (bucket)	Comment T	ype	TR	Comment Status D		(Electrical) (bucket) ILT
The not	te regarding FLI	R is repeated several times			There is	no Typ	e E define	ed in Annex 178B		
Suggested	Remedy				SuggestedR	Remedy				
		arding the FLR not being norm 74A.2 with the note's text.	native for any s	ublayer. Add a general	Change to: "Typ		E"			
	, DSED REJECT.	Response Status W	lause. Using a	common note	Proposed R PROPO	•	e CCEPT.	Response Status W		
elsewh	ere would not be	e as helpful. The notes in the	current locatior	ns are more helpful. The	C/ 178B	SC 17	78B.3	P <b>786</b>	L <b>41</b>	# 113
propose	ed changes do i	not improve the clarity or accu	racy of the dra	ft.	Mascitto, Ma	arco		Nokia		
C/ 174A	SC 174A.8.1	.3 P681	L18	# 107	Comment T	ype	E	Comment Status D	าท	non) ILT definitions (bucket
Bruckman,	Leon	Nvidia			The sec	ond sei	ntence mig	ght be too short and risks c	ausing confu	sion.
Comment T In Hm(i	51	Comment Status <b>D</b> ar what m represents.		(Common) (bucket)	SuggestedR Replace	-		term is equivalent to link pa	artner"	
S <i>uggestedl</i> Define					with					
Proposed F	,	Response Status W			"In the c partner"		ere the IS	L is an MDI between two P	MDs, this ter	m is equivalent to link
	DSED REJECT.	fined in the words that follow "	Hm (i)(k) is a s	set of p *measured* 17-	Proposed R	espons	е	Response Status W		
bin hist		er words, the "m" denotes me			Change	: "For a	PMD this	I PRINCIPLE. term is equivalent to link pa e ISL is between two PMDs		equivalent to link partner"
C/ 174A	SC 174A.9	P683	L17	# 108			editorial li			equivalent to link partiler
Bruckman,	Leon	Nvidia			C/ 178B	SC 1	78B.4	P <b>786</b>	L52	# 114
Comment T	51	Comment Status D		(Common) (bucket)	Mascitto, Ma		•=	Nokia		
This se	ection is not abo	ut 200GBASE-LR1			Comment T		E	Comment Status D		(Common) (bucket) IL
Suggestedl Change	-	_R1" to "800GBASE-LR1"						nd "latter" refer to "one or two next statements. Suggest re		d interfaces" or to "PMD or
Proposed F	Response	Response Status W			SuggestedR	Remedy				
PROPO	OSED ACCEPT				Delete "	[] spe	ecifically P	MD or AUI components" fro	om sentence.	
					Proposed R	espons	е	Response Status W		
					PROPO	SED A	CCEPT IN	I PRINCIPLE. nedy with editorial license.		

C/ 178B SC 178B.5.1	P <b>788</b>	L13	# 117	C/ 178B	SC 178B.8.5	P <b>799</b>	L <b>1</b>	# 120
Aascitto, Marco	Nokia			Mascitto, Ma	CO	Nokia		
Comment Type E C Improve clarity.	Comment Status D		(Common) (bucket) ILT	Comment Ty Consiste		Comment Status D boolean true and "0" for boo	lean false.	(Common) (bucket) IL
SuggestedRemedy				SuggestedRe	emedy			
Replace "Local variables an variables are received from with		ce via the traini	ng frames. Remote	Proposed Re		set to one" with "and is not Response Status W	set to 1".	
"Peer interfaces send local	variables and receive re-	mote variables v	via the training frames".	C/ 178B	SC 178B.13	P802	L 47	# 122
Proposed Response R	esponse Status W		-	Mascitto. Ma	CO	Nokia		
PROPOSED ACCEPT IN F Change: "Local variables a variables are received from	re sent to the peer interfa	ace via the traini	ng frames. Remote	Comment Ty	pe E	Comment Status D boolean true and "0" for boo	lean false.	(Common) (bucket) IL
To: "Local variables are sen the peer interface via the tra- Implement with editorial lice	aining frames."	nd remote varial	bles are received from	SuggestedRe Replace set to 1".	"[] transmitte	ed training frames is set to or	ne" with "trans	smitted training frames is
C/ 178B SC 178B.5.3	P <b>789</b>	L <b>47</b>	# 119	Proposed Re	<i>sponse</i> SED ACCEPT.	Response Status W		
lascitto, Marco	Nokia Comment Status D							
Comment Type E C Subclause 178B.3 defines		SIs between th	(Common) (bucket) ILT	C/ 178B	SC 178B.3	P <b>786</b>	L 25	# 124
so use of "PCS to PCS pat	h" or "main path" may ca	use confusion (a	as it suggests	Mascitto, Ma	CO	Nokia		
something different) I was	thinking about suggesting		Path" to "ILT Path" to	Comment Ty	be E	Comment Status D		(Common) (bucket) IL
		any bener.				subclause but named the subcla		nventions". Why not be
emphasize the end-to-end		bath".		SuggestedRe	emedy			
emphasize the end-to-end	" and "main path" with "p							
emphasize the end-to-end SuggestedRemedy Replace "PCS to PCS path	" and "main path" with "p Pesponse Status W			Rename	subclause "De	finitions".		

Mascitto, Marco No Comment Type E Comment Sta Could be clearer. SuggestedRemedy Replace NOTE with the following text, "" ILT should be restarted if there is an ind situation. The definition of unrecoverable Proposed Response Sta	There is no specified dication of an unrecov		Mascitto, Marco Comment Type E Replace instances o SuggestedRemedy	No <i>Comment Stat</i> f "state diagram" with	us D	(Common) (bucket) IL
Could be clearer. SuggestedRemedy Replace NOTE with the following text, " ILT should be restarted if there is an ind situation. The definition of unrecoverable	There is no specified dication of an unrecov	time limit for ILT to complete.	Replace instances of		_	(Common) (bucket) IL
Replace NOTE with the following text, " ILT should be restarted if there is an ind situation. The definition of unrecoverable	dication of an unrecov		SuggestedRemedy	•		
Replace NOTE with the following text, " ILT should be restarted if there is an ind situation. The definition of unrecoverable	dication of an unrecov					
	tus W		diagram and its ass lanes. For O1 interfa used" with "E1 inter	ociated variables and aces, this diagram an aces also implement	functions independe d its associated varia one instance of the 0	pefficient update state antly for each of the n physical ables and functions are not Coefficient update state ently for each of the n
PROPOSED REJECT. Although the comment set the comment	t type to "E", the suge	ested remedy is a technical		D1 interfaces, this sta		associated variables and
change. Although the intent of the comment was clarification, the suggested remedy char	nges the meaning and	d intent of the note.	Proposed Response PROPOSED REJEC The term used in the	Response Statu CT. e IEEE 802.3 standar		'.
C/ 178B SC 178B.14.2.1	P804 L2	# 127	C/ 178B SC 178B.	16.1 <i>I</i>	P815 L7	# 131
•	lokia		Mascitto, Marco	No		
Comment Type E Comment Sta	itus <b>D</b>	(Common) (bucket) ILT	Comment Type E	Comment Stat		(Common) (bucket) IL
Clarify "device".				e of annex. Forgot "o	_	
SuggestedRemedy			SuggestedRemedy		F	
Replace "Boolean variable that controls that controls the global resetting of the I Proposed Response Response Star PROPOSED ACCEPT.	ILT per-interface state		conform to Annex 1 training for electrica	ce with, "The supplied 78B, Inter-sublayer lin and optical interface formance statement (	nk s, shall complete the	nentation that is claimed to e following protocol
		"	Proposed Response	Response Statu		
Comment Type E Comment Sta	P805 L5 ⁴ lokia a <i>tus</i> D	# 128 (Common) (bucket) ILT	PROPOSED ACCE Implement suggeste implementation con	PT IN PRINCIPLE.	hange the sublcause PICS) proforma for A	title to: "Protocol Annex 178B, Inter-sublayer
Missing "state machines".			C/ 178B SC 178B.	•	P815 L36	# 132
SuggestedRemedy Replace "An AUI component or PMD im	nlements one instan	ce of each of the Training		-		# 132
control and the Training frame lock, and			Mascitto, Marco Comment Type E	No Comment Stat		(Common) (hugkat) II
component or PMD implements one ins		0	21	e of annex. Forgot "o	_	(Common) (bucket) IL
Training frame lock state machines, and		adies[].	•	e of annex. Polyot o	plical.	
Proposed Response Response Sta	tus <b>W</b>		SuggestedRemedy	014 000 04 000 0		and a line to be a factor of a second second
PROPOSED ACCEPT IN PRINCIPLE. Change: "one instance of each of the Tr	raining control and the	e Training frame lock, and	and optical interface		inex 178B, Inter-Subi	ayer link training for electrical
their associated variables" To: "one instance of each of the Training	a control and the Tra	ning frame lock state	Proposed Response	Response Statu	ıs W	
diagrams, and their associated variables			PROPOSED ACCE	PT.		

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

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C/ 178B SC 178B.16.	3 P816	L18	# 133	C/ 182	SC 182.8.3	P <b>494</b>	L <b>52</b>	# 135
Mascitto, Marco	Nokia			Parsons, Ear	1	CommScope	e	
Comment Type E	Comment Status D		(Common) (bucket) ILT	Comment Ty	pe <b>T</b>	Comment Status D		(Optical) (bucket
Syntax error.						connect to a single fiber MD	I" is incorrect sin	ce there are two fibers
SuggestedRemedy				in that M				
•	D.1" per C21. Apply change t	o IL7 through I	L10, and IL12 through	SuggestedRe	-			is sta filmen MDL thank
IL16.	_			0		SE-DR1, besides the option cified MDI optical receptacle		0
Proposed Response PROPOSED ACCEPT	Response Status W			single-ro	w 16 fiber inte		.,	
C/ 180 SC 180.8.3	P <b>444</b>	L 47	# 134	to				
		L41	# 134			besides the option to conne		
Parsons, Earl Comment Type <b>T</b>	CommScope Comment Status D		(Optical) (bucket)		tional specified	d MDI optical receptacles, a	single-row 12-fib	er interface and a single
<i>,</i>	connect to a single fiber MDI"	is incorrect sir	,.,	Proposed Re		Response Status W		
in that MDI.				•	SED ACCEPT	,		
						•		
SuggestedRemedy								
Change "For 200GBAS	E-DR1, besides the option to		0	C/ 176D	SC 176D.7.2	P <b>749</b>	L 51	# 140
Change "For 200GBAS are two additional spec	ified MDI optical receptacles,		0	C/ <b>176D</b> Hidaka, Yasu	-	-	L 51 conductor, Inc.	# 140
Change "For 200GBAS	ified MDI optical receptacles,		0		10	-		
Change "For 200GBAS are two additional spec	ified MDI optical receptacles,		0	Hidaka, Yasu <i>Comment Ty</i> tau^(h) v	o pe <b>T</b> alue of 5.97x1	Credo Semio <i>Comment Status</i> <b>D</b> 0^(-3) in Table 176D-6 seen	conductor, Inc.	(Electrical) (bucket
Change "For 200GBAS are two additional spec single-row 16 fiber inte to "For 200GBASE-DR1,	ified MDI optical receptacles, rface." besides the option to connec	, a single-row 1 t to an MDI wit	12-fiber interface and a	Hidaka, Yasu <i>Comment Ty</i> tau^(h) v 3) in Tab	o <b>F</b> alue of 5.97x1 le 179-16 and	Credo Semio Comment Status D	conductor, Inc.	(Electrical) (bucket
Change "For 200GBAS are two additional spec single-row 16 fiber inte to "For 200GBASE-DR1, two additional specified	ified MDI optical receptacles, rface."	, a single-row 1 t to an MDI wit	12-fiber interface and a	Hidaka, Yasu Comment Ty tau^(h) v 3) in Tab SuggestedRe	pe <b>T</b> alue of 5.97x1 le 179-16 and emedy	Credo Semio <i>Comment Status</i> <b>D</b> 0^(-3) in Table 176D-6 seen lim_3dj_01a_2409, slide 2.	conductor, Inc.	(Electrical) (bucket
are two additional spec single-row 16 fiber inte to "For 200GBASE-DR1, two additional specified row 16 fiber interface."	ified MDI optical receptacles, face." besides the option to connec MDI optical receptacles, a s	, a single-row 1 t to an MDI wit	12-fiber interface and a	Hidaka, Yasu Comment Ty tau^(h) v 3) in Tab SuggestedRe Change	to pe <b>T</b> alue of 5.97x1 le 179-16 and emedy 5.97x10^(-3) to	Credo Semio Comment Status D 0^(-3) in Table 176D-6 seen lim_3dj_01a_2409, slide 2. o 5.79x10^(-3).	conductor, Inc.	(Electrical) (bucket
Change "For 200GBAS are two additional spec single-row 16 fiber inte to "For 200GBASE-DR1, two additional specified	ified MDI optical receptacles, frace." besides the option to connec MDI optical receptacles, a s <i>Response Status</i> <b>W</b>	, a single-row 1 t to an MDI wit	12-fiber interface and a	Hidaka, Yasu Comment Ty tau^(h) v 3) in Tab SuggestedRe Change Proposed Re	to pe <b>T</b> alue of 5.97x1 le 179-16 and emedy 5.97x10^(-3) to	Credo Semio Comment Status D 0^(-3) in Table 176D-6 seen lim_3dj_01a_2409, slide 2. c 5.79x10^(-3). Response Status W	conductor, Inc.	(Electrical) (bucket
Change "For 200GBAS are two additional spec single-row 16 fiber inte to "For 200GBASE-DR1, two additional specified row 16 fiber interface." Proposed Response	ified MDI optical receptacles, frace." besides the option to connec MDI optical receptacles, a s <i>Response Status</i> <b>W</b>	, a single-row 1 t to an MDI wit	12-fiber interface and a	Hidaka, Yasu Comment Ty tau^(h) v 3) in Tab SuggestedRe Change Proposed Re	to pe <b>T</b> alue of 5.97x11 le 179-16 and emedy 5.97x10^(-3) to esponse	Credo Semio <i>Comment Status</i> <b>D</b> 0^(-3) in Table 176D-6 seen lim_3dj_01a_2409, slide 2. 0 5.79x10^(-3). <i>Response Status</i> <b>W</b>	conductor, Inc.	(Electrical) (bucket
Change "For 200GBAS are two additional spec single-row 16 fiber inte to "For 200GBASE-DR1, two additional specified row 16 fiber interface." Proposed Response	ified MDI optical receptacles, frace." besides the option to connec MDI optical receptacles, a s <i>Response Status</i> <b>W</b>	, a single-row 1 t to an MDI wit	12-fiber interface and a	Hidaka, Yasu Comment Ty tau^(h) v 3) in Tab SuggestedRe Change Proposed Re PROPOS	10 pe T alue of 5.97x1 le 179-16 and emedy 5.97x10^(-3) to esponse SED ACCEPT SC 176D.6.6	Credo Semio Comment Status D 0^(-3) in Table 176D-6 seen lim_3dj_01a_2409, slide 2. 0 5.79x10^(-3). Response Status W	conductor, Inc. ns a typo of 5.79	(Electrical) (bucket x10^(-3). It is 5.79x10^(-
Change "For 200GBAS are two additional spec single-row 16 fiber inte to "For 200GBASE-DR1, two additional specified row 16 fiber interface." Proposed Response	ified MDI optical receptacles, frace." besides the option to connec MDI optical receptacles, a s <i>Response Status</i> <b>W</b>	, a single-row 1 t to an MDI wit	12-fiber interface and a	Hidaka, Yasu Comment Ty tau^(h) v 3) in Tab SuggestedRe Change Proposed Re PROPOS Cl <b>176D</b> Hidaka, Yasu Comment Ty	alue of 5.97x1 le 179-16 and emedy 5.97x10^(-3) to sponse SED ACCEPT SC <b>176D.6.6</b> to pe <b>T</b>	Credo Semio Comment Status D 0^(-3) in Table 176D-6 seen lim_3dj_01a_2409, slide 2. 0 5.79x10^(-3). Response Status W	L 35 L onductor, Inc.	(Electrical) (bucket x10^(-3). It is 5.79x10^(-
Change "For 200GBAS are two additional spec single-row 16 fiber inte to "For 200GBASE-DR1, two additional specified row 16 fiber interface." Proposed Response	ified MDI optical receptacles, frace." besides the option to connec MDI optical receptacles, a s <i>Response Status</i> <b>W</b>	, a single-row 1 t to an MDI wit	12-fiber interface and a	Hidaka, Yasu Comment Ty tau^(h) v 3) in Tab SuggestedRe Change Proposed Re PROPOS C/ <b>176D</b> Hidaka, Yasu Comment Ty Module i SuggestedRe	alue of 5.97x1 le 179-16 and emedy 5.97x10^(-3) to esponse SED ACCEPT SC <b>176D.6.6</b> to pe <b>T</b> nput specificat emedy	Credo Semio Comment Status D 0^(-3) in Table 176D-6 seen lim_3dj_01a_2409, slide 2. 0 5.79x10^(-3). Response Status W P747 Credo Semio Comment Status D	<i>L</i> <b>35</b> <i>L</i> 21 <i>L</i> 21	(Electrical) (bucket x10^(-3). It is 5.79x10^(- # 141

C/ 176D	SC 176D.8.2	P <b>752</b>	L 29	# 142	C/ 183	SC	183.7.3	P <b>515</b>	L <b>44</b>	# 144
Hidaka, Yas	suo	Credo Semico	onductor, Inc.		Lambert,	Angela		Corning		
Comment Ty	уре Т	Comment Status D		(Electrical) (bucket)	Comment	Туре	Е	Comment Status D		(Optical) (bucket)
		needs a parameter M that is lefinition in Annex 178A.	not defined in	Table 176D-8, because	other	link pov	ver budget	and fiber attenuation are dif tables (i.e. Table 180-9 on p	. 441 and Table	182-9 on p. 491) and
SuggestedRemedy						in the respective Optical fiber and cable characteristics tables (in this case, Table 183-10 on page 518), this should be "Cabled optical fiber attenuation"				
Add M t Annex 1		n the same way as Annex 93	BA and to all rela	ated tables that refer	Suggeste	<b>o</b> ,				
Proposed R	esponse	Response Status W			Chan	ge "fibei	r attenuatio	on" to "cabled optical fiber att	enuation"	
PROPO Annex 1	SED ACCEPT	•			Proposed PROI	,	nse ACCEPT.	Response Status W		
previous	s clauses M was	s part of the COM parameter	tables (with val	ue 32), but in this	C/ 1	SC	1.3	P <b>53</b>	L 54	# 145
projecti	it is not. Thereid	ore, it needs to be added, pre	erably as an E	RL parameter.	Huber, Th	iomas		Nokia		
Add a ro tables:	ow for "Number	of samples per unit interval"	, M, with value 3	2, in the following	Comment		Е	Comment Status D	,	(bucket) MDI references
Clause Clause Annex 1 Annex 1 Annex 1	179: Table 179-	)B-1	14		speci DD/Q Plugg the U inform	fications SFPDD Jable Tra RL in th nation al	s, but the r -800/QSF ansceivers e footnote	where to find SFP-DD224, Q ormative reference associate P-DD1600 Hardware Specific ", which makes no mention c does not take the reader to a DD224 or QSFP224 formats ormation).	ed with this footr cation for QSFP of SFP224 or QS a site with docur	note is "QSFP- Double Density 8x SFP224, and following ments that have
C/ 181	SC 181.7.3	P 465	L 45	# 143	Suggeste	dRemed	dy			
Lambert, An	ngela	Corning						he referenced document by r	eplacing "SFP-I	DD224, QSP224" with
Comment T	ype E	Comment Status D		(Optical) (bucket)		, -	QSFP-DD8			
Cabled	fiber attenuatior	n and fiber attenuation are di	fferent. As note	d at the footnote of	Proposed	Respor	nse	Response Status W		
other lin		tables (i.e. Table 180-9 on p		e 182-9 on p. 491) and	-			IN PRINCIPLE.		man defined in Americ

in the respective Optical fiber and cable characteristics tables (in this case, Table 181-9 on page 467), this should be "Cabled optical fiber attenuation"

Change "fiber attenuation" to "cabled optical fiber attenuation"

Proposed Response Response Status W

PROPOSED ACCEPT.

SuggestedRemedy

The comment identifies incorrect references to the MDI connector types defined in Annex 179C. The suggested remedy introduces new MDI connector types (QSFP-DD and QSFP-DD800) that are not explicitly regiured for this document. The footnote should be updated to capture the MDI connector types necessary for this document and that are included in the appropriate reference material.

Resolve using response for Comment #436.

C/ 30	SC	30.3.2.1.2		P <b>61</b>	L11	# 146
Huber, Tho	mas		No	okia		
Comment T	ype	TR	Comment Sta	tus <b>D</b>		(Logic) (bucket)
There is PCS.	s no lo	onger an 80	0GBASE-ER1 F	PCS; ER1	and ER1-20 PHY	s use the 800GBASE-R
SuggestedF Delete		•	d text to insert 8	300GBASE	-ER1 after 400GE	BASE-R
Proposed R PROPC	'	nse ACCEPT.	Response Stat	tus <b>W</b>		
CI <b>30</b>	SC	30.3.2.1.3		P <b>61</b>	L <b>31</b>	# 147
Huber, Tho	mas		No	okia		
Comment T	уре	TR	Comment Sta	tus <b>D</b>		(Logic) (bucket)
There is PCS.	s no lo	onger an 80	0GBASE-ER1 F	PCS; ER1	and ER1-20 PHY	s use the 800GBASE-R
PCS.		-	0GBASE-ER1 F	PCS; ER1	and ER1-20 PHY	s use the 800GBASE-R
PCS. SuggestedF	Remed	dy			and ER1-20 PHY	
PCS. Suggestedf Delete Proposed R	Remea the ins Respor	dy struction and		800GBASE		
PCS. Suggestedf Delete Proposed R	Remea the ins Respor	dy struction and	d text to insert & Response Stat	800GBASE		
PCS. Suggestedf Delete Proposed R PROPC	Remed the ins Respon DSED SC	dy struction and nse ACCEPT.	d text to insert & Response Stat	800GBASE tus <b>W</b>	-ER1 after 400GI	BASE-R
PCS. Suggestedf Delete Proposed R PROPC Cl 30	Remed the ins Respor DSED SC mas	dy struction and nse ACCEPT.	d text to insert & Response Stat	800GBASE tus <b>W</b> P <b>62</b> Dkia	-ER1 after 400GI	BASE-R
PCS. Suggestedf Delete Proposed R PROPC Cl 30 Huber, Tho Comment T 200GB/	Remed the ins Respor DSED SC Mas Type ASE-E	dy struction and nse ACCEPT. 30.5.1.1.2 E	d text to insert & Response Stat No Comment Sta Id be inserted bo	300GBASE tus <b>W</b> P <b>62</b> okia tus <b>D</b>	-ER1 after 400GB	BASE-R # <u>148</u>
PCS. Suggestedf Delete Proposed R PROPC Cl 30 Huber, Tho Comment T 200GB/	Remed the ins Respon DSED SC mas Type ASE-E han af	dy struction and nse ACCEPT. 30.5.1.1.2 E DR1-2 shoul (ter 200GB/	d text to insert & Response Stat No Comment Sta Id be inserted bo	300GBASE tus <b>W</b> P <b>62</b> okia tus <b>D</b>	-ER1 after 400GB	BASE-R # <u>148</u> (Logic) (bucket,
PCS. Suggested Proposed R PROPO Cl 30 Huber, Thou Comment T 200GB, rather ti Suggested Delete previou 200GB,	Remed the ins Respon DSED SC mas Type ASE-E han at Remed the ed s editi ASE-E	dy struction and nse ACCEPT. 30.5.1.1.2 E DR1-2 shoul fter 200GBA dy liting istruction DR4, and re	d text to insert & Response Stat No Comment Sta Id be inserted be ASE-ER4 ion that is relate on to say "Inser	BOOGBASE tus W P62 okia tus D efore 2000 ed to the in: t the follow	-ER1 after 400Gf <i>L</i> 27 BBASE-DR4 and a sertion of 200GB/ ing new entries	BASE-R # <u>148</u> (Logic) (bucket,

CI 30	SC 30.5.1.1.2	P63	L 36	# 149
Huber, Thom	nas	Nokia		
Comment Ty	vpe TR	Comment Status	D	(Logic) (bucket)
There is	no longer an 800	OGBASE-ER1 PCS	the ER1 and ER-20	PHYs use the

800GBASE-R PCS. However they do have a unique PMA from other 800GBASE-R PHYs.

### SuggestedRemedy

Change the description of 800GBASE-ER1 and 800GBASE-ER1-20 so they begin with "800GBASE-R PCS and 800GBASE-ER1 PMA over single-mode fiber PMD with a reach..."

	Proposed Response	Response Status	w
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PROPOSED ACCEPT.

C/ 30	SC	30.5.1.1.2	P <b>63</b>	L 47	# 150
Huber, Th	nomas		Nokia		
Comment	t Type	Е	Comment Status D		(Logic) (bucket)

An instruction to insert before 800GBASE-KR8 is the same thing as an instruction to insert after 800GBASE-DR8-2, since they are currently adjacent to each other (and no other task force is adding 800G PHYs). This instruction can be combined with the previous one.

#### SuggestedRemedy

Delete the editing instruction "Insert the following new entry intro the "APPRROPRIATE SYNTAX" section of 30.5.1.1.2 before the entry for 800GBASE-KR8 (inserted by IEEE Std 802.3df-2024)", and remove the space so that the text for 800GBASE-KR4 is part of the prior instruction.

Proposed Response	Response Status	w	
PROPOSED ACCEPT.			

C/ 30	SC 30.13	.1.1 P	65	L16	# 151
Huber, Th	omas	Nok	ia		
Comment	Туре Т	Comment Statu	s D		(Logic) (bucket)

The same mgmt registers/attributes are used for ER1 FEC as are used for Inner FEC, but the text here doesn't mention ER1 FEC.

#### SuggestedRemedy

Change "If a Clause 45 MDIO Interface to PMA/PMD, Inner Fec, WIS, ..."

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to
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"If a Clause 45 MDIO Interface to PMA/PMD, Inner FEC or ER1 FEC, WIS, ..."

Change the second bullet from "For Inner FEC:..." to "For Inner FEC or ER1 FEC:..."

Make the same changes to 30.13.1.2 through 30.13.1.12

Proposed Response Response Status W

PROPOSED ACCEPT.

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

Comment ID 151

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/ <b>45</b>	SC 45.2.1	P <b>71</b>	L <b>48</b>	# 152	CI 45	SC 4	\$5.2.1.23	P <b>79</b>	L24	# 155
Huber, T	homas	Nokia			Huber, Th	nomas		Nokia		
Commer	nt Type <b>T</b>	Comment Status D		(Logic) (bucket)	Comment	t Type	т	Comment Status D		(Logic) (bucket)
The	TimeSync Inner Fl	EC transmit and receive regis	sters are also use	ed for ER1 FEC.	The c	descriptio	n for bit 1.	25.1 should also identify the	abilities in regis	ster 1.74.
Suggest	edRemedy				Suggeste	dRemed	V			
Cha	nge "Time Sync ini	ner FEC" to "TimeSync inr	ner FEC or ER1 I	FEC"				e abilities listed in register 1.	73" to "… and h	as the abilities listed in
Propose	d Response	Response Status W			0		and 1.74"			
PRC	POSED ACCEPT				Proposea PROI		se \CCEPT.	Response Status W		
CI 45	SC 45.2.1	P <b>72</b>	L <b>27</b>	# 153	C/ <b>45</b>	SC 4	15.2.1.23	P <b>79</b>	L <b>35</b>	# 156
Huber, T		Nokia Comment Status D		(Lesie) (hushed)	Huber, Th	nomas		Nokia		
Commer		gh 1.2423 are used for ER1		(Logic) (bucket)	Comment	t Type	Е	Comment Status D		(Logic) (bucket)
•		gii 1.2425 are used for ERT					struction to	insert 45.2.1.23.aa should i	note that 45.2.1.	23.a was inserted by
00	edRemedy	C" to "Inner FEC or ER1 FI	EC "for each a	at of registers in the	802.3	3df-2024				
rang	0		EC IOI each s		Suggeste	•				
•	d Response	Response Status W				ige to say ) as follov		5.2.1.23.aa before 45.2.1.23.	a (as inserted b.	y IEEE Std 802.3df-
PRC	POSED ACCEPT				Proposed	l Respon	se	Response Status W		
CI <b>45</b>	SC 45.2.1.10	P <b>77</b>	L <b>32</b>	# 154	PRO	POSED /	ACCEPT.			
Huber, T	homas	Nokia			CI 45	SC 4	45.2.1.60e	.3 P84	L16	# 157
Commer	51	Comment Status D		(Logic) (bucket)	Huber, Th	nomas		Nokia		
		(not currently included in the litional extended ability regist			Comment	t Type	ER	Comment Status D		(Logic) (bucket)
	2	inional extended ability regist		1400G FIIIS	This s	subclaus	es concerr	ns 1.6TBASE-DR8, but the to	ext refers to 1.6	TBASE-DR2.
00	edRemedy	10 and Table 45-14. Update	deperietion for a	ana valua far hit	Suggeste	dRemed	V			
	.13 from:		description for a	one value for bit	Chan	ige both i	nstances of	of "1.6TBASE-DR2" in the te	ext to "1.6TBASE	E-DR8".
"1 =	PMA/PMD has 20	0G/400G extended abilities li	sted in register 1	.23 or register 1.24"	Proposed	l Respon	se	Response Status W		
	PMA/PMD has 20 and 1.75 (400G)"	0G/400G extended abilities li	sted in register 1	.23 (200G) or registers	•	•	ACCEPT.			
Propose	d Response	Response Status W								
	-									

PROPOSED ACCEPT.

C/ <b>45</b>	SC 45.2.1.175	P <b>97</b>	L <b>44</b>	# 158	CI 73	SC 73.4.2	P130	L13	# 161
luber, Tho	omas	Nokia			Huber, Th	omas	Nokia		
Comment T The 'in	51	Comment Status D nc registers are also used fo	r ER1 FEC	(Logic) (bucket)	<i>Comment</i> "An A		Comment Status <b>D</b> able device shall recognize'	' is awkward word	(Logic) (bucket) ding.
Suggested	Remedy				Suggestee	Remedy			
Chang	e " PMA/PMD a	nd inner FEC" to "PMA/	PMD, inner FEC	C, and ER1 FEC…"	Chang	e to "A device	capable of Auto-Negotiation sł	nall recognize"	
		"inner FEC" to "inner FEC o ows 1.1800.7 through 1.180		he Name and		Response OSED ACCEP	Response Status W		
Proposed I PROP	Response OSED ACCEPT.	Response Status W			C/ 116	SC 116.1.4	P149	L <b>34</b>	# 162
	SC 45 0 4 477	- D <b>00</b>	15	# 450	Huber, Th		Nokia		(Common) (hushof)
C/ <b>45</b>	SC 45.2.1.177		L <b>5</b>	# 159	Comment		Comment Status <b>D</b> n Table 116-3a are incorrect a	and the columns :	(Common) (bucket)
luber, Tho C <i>omment</i> : The 'in	Туре Т	Nokia <i>Comment Status</i> <b>D</b> nc registers are also used fo	r ER1 FEC	(Logic) (bucket)	order.	Auto-Negotiatio	n the table inserted by 802.3cl	6, and should be t	the left-most column.
Suggested	Remedy				Suggestee	Remedy			
		eSync FEC sublayer transmi	t path delay (Re	egisters 1.1813 through	Chang	ge 116 to 73, an	d swap the order of the first tw	vo columns so 73	s comes first.
1.1818	3)"				Proposed	Response	Response Status W		
		e to the first paragraph: "The used with Inner FEC sublay			-		T IN PRINCIPLE. sted remedy with editorial licer	nse.	
Chang	e the rest of the e	existing text and table to repla	ace 'inner FEC'	with 'FEC sublayer'.					
Makes	similar changes to	9 45.2.1.177b.							
Proposed I PROP	Response OSED ACCEPT.	Response Status W							
CI <b>45</b>	SC 45.2.3.8	P119	L 23	# 160					
luber, Tho	omas	Nokia							
Comment	Type E	Comment Status D		(Logic) (bucket)					
		n inserting new subclauses   a' rather than 'X.Y.Za"	before the first e	existing subclause, the					
Suggested	Remedy								
Chang	e the editing instr	uction to say "Insert 45.2.3.8	8.a and 45.2.3.8	.b before 45.2.3.8.1"					
Proposed I PROP	Response OSED ACCEPT.	Response Status W							

C/ 116	SC 116.3.3.3.	I P161	L <b>4</b>	# 165
Huber, Thom	nas	Nokia		
Comment Ty	/pe ER	Comment Status D	(bu	cket) ILT service interface

The text regarding the values of the SIGNAL OK parameter is not sufficiently clear in a number of aspects. As the first paragraph states. IN PROGRESS and READY are only supported if ILT is supported. The paragraphs about the OK and FAIL values refer to "if the service interface supports the values IN PROGRESS and READY", which is needlessly complex wording: the condition is more succinctly expresed as "if ILT is supported", rather than if the states that ILT uses are supported. Further, since the meanings of OK and FAIL are different depending on whether ILT is used, instead of saving 'here are four values of SIGNAL OK', and embedding in those definitions the details of whether ILT is used or not. it would be more clear to say 'SIGNAL OK has these values if ILT is used, and these values if II T is not used'.

#### SuggestedRemedy

Replace the second through fifth paragraphs with this text (text spills beyond the bottom of the cell):

If ILT is not used:

A value of OK indicates that communication with the next lower sublayer is established (but does not guarantee that valid data is being presented to the next higher sublaver).

A value of FAIL indicates that the sublaver has not established communication to the next lower sublayer, and data is not being presented to the next higher sublayer (the rx symbol parameters are undefined).

If ILT is used:

A value of OK indicates that valid data is being presented by the sublayer to the next higher sublaver in the rx symbol parameters.

A value of READY indicates that communication is established with the next lower sublayer, but communication with the peer interface is not fully established yet. The rx symbol parameters presented to the next higher sublayer do not respresent traffic data and might be invalid. Management intervention is not required.

A value of IN PROGRESS indicates that the sublayer is establishing communication with the next lower subalver. Data is not being presented by the sublaver to the next higher sublayer (the rx symbol parameters are unspecified). Management intervention is not required.

A value of FAIL indicates that an attempt to communicate with the next lower sublaver has failed. Data is not being presented to the next higher sublayer (rx symbol parameters are unspecified)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Note that this comment is proposing to rearrange the text so that it is easier to parse. The proposed changes are an improvement to the clarity of the draft.

Some of the details, such as the context of ILT, might be affected by resolution of other D2.0 comments.

Implement the suggested remedy with editorial license with consideration of other related

comments.
-----------

C/ 169	SC 169.3.2	P 191	L17	# 168
Huber, Th	iomas	Nokia		
Comment	Type E	Comment Status D		(Common) (bucket)

Comment Type Е Comment Status D

While the ER1 FEC is an example of a segmented FEC, that term isn't being used elsewhere in the text, so probably better to call it the ER1 FEC here.

#### SuggestedRemedy

Change "Segmented FEC" to "ER1 FEC":

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Subclause 169.2.4b defines generically the FEC sublaver which is inclusive of all of these and perhaps others to be added in future amendments.

Change "Inner FEC or Segmented FEC" to "FEC sublayer (see 169.2.4b)".

C/ 169	SC 169.5	P 198	L14	# 169
Huber, Thor	nas	Nokia		
Comment T	ype T	Comment Status D		(Common) (bucket)

In Figures 169-4 and 169-5, it needs to be more clear that "Inner FEC" can also be the ER1 FEC.

#### SuggestedRemedy

Replace "Inner FEC" in both figures with "Inner FEC or ER1 FEC".

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Neither sublayer stack in Figure 169-4 is representative of PHY types that include the FEC sublaver defined in Clause 184 or Clause 186.

The right-hand sublayer stack is guite specific to the Inner FEC defined in Clause 177 in that the PMA is n:4, whereas the PMA above the Clause 184 and Clause 186 FEC sublavers is n:32.

Update the figure to be inclusive of PHY types using the FEC sublayer defined in Clause 184 and Clause 186.

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.	8 P 201	L 48	# 170	C/ 172	SC	172.6	P 242	L36	# 172
Huber, Thomas	Nokia			Huber, Th	omas		Nokia		
Comment Type T	Comment Status D		(Common) (bucket)	Comment	Туре	Е	Comment Status D		(Logic) (bucket,
by 802.3dj.	PICS summary) needs to be u	pdated to refer to r	new PMD clauses added	there	s no ne	ed to repe	I is mandatory are already e at all of them here. At the sa nts apply to CRn and KRn P	ame time, it is m	
SuggestedRemedy						•		MD3.	
Bring in clause 16	9.8			Suggested					
Add this editing in							R8, 800GBASE-CR4, 800G or 800GBASE-KRn PMD"	BASE-KR8, or 8	00GBASE-KR4 PMD"
•	aragraph of subclause 169.8 (a	as added by IEEE \$	Std 802.3df-2024) as	Proposed	Respor	ise	Response Status W		
follows				PROF	OSED	REJECT.			
	aragraph of the existing 169.8, 70 through Clause 173 or Clau			simila	r clause	es (e.g. Cla	written and consistent with w ause 119). Changing CR8/Cl		
Proposed Response	Response Status W			Teauai	Sinty Of	the draft.			
	EPT IN PRINCIPLE.			C/ 172	SC	172.7.4.7	P 243	L17	# 173
Implement the su	gested remedy with editorial li	cense.		Huber, Th	omas		Nokia		
C/ 172 SC 172.	2.5.2 P 242	L <b>9</b>	# 171	Comment	Туре	Е	Comment Status D		(Logic) (bucket)
Huber, Thomas	Nokia			Easier	· to say	CRn/KRn	rather than enumerate all th	e CRn and KRn	PMDs in the PICS
Comment Type <b>T</b>	Comment Status D		(Logic) (bucket)	Suggested	Remec	ły			
since the sublaye	modified from "PMA service ir below the PCS may be a FEC	or a PMA. But jus	t saying "service				R8, 800GBASE-CR4, 800G or 800GBASE-KRn PMD"	BASE-KR8, or 8	00GBASE-KR4 PMD"
interface lanes" is layer.	not sufficiently clear that it is t	he service interface	e from the next lower	Proposed	•		Response Status W		
SuggestedRemedy				-		REJECT.	written and consistent with w	hat has been do	one in previous drafts
Change the first s "The PCS lanes n	entence to read: light be received in any order f	rom the service inte	erface below the PCS."	and si	milar cla		. Clause 119). Changing CR		

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 173	SC 17	73.4.2	P 244	L <b>46</b>	# 174	C/ 174
Huber, Th	omas		Nokia			Huber, Thor
Comment	Туре	т	Comment Status D		(Logic) (bucket)	Comment T
			to SM PMA is needed, the 8			Table 1
			E-LR4 module that has an 8 optical interface requires th			SuggestedF
			PCS, 32:8 PMA, [800GAUI- .R4 PMD).	8], 8:32 PMA, 3	32:4 PMA, 800GBASE-R	Add a c 1.6TBA
Suggestee	dRemedy					Proposed R
Add ";	32:4 SM-F	PMA, " aft	er PHY 800GXS.			PROPC
Proposed	•		Response Status W			C/ 174
PROF	POSED A	CCEPTI	N PRINCIPLE.			Huber, Thor
			SM-PMA" to the list.			Comment T
Imple	ment with	editorial	icense.			Clause
C/ 173	SC 17	73.4.2	P <b>245</b>	L 36	# 175	SuggestedF
Huber, Th			Nokia			Change 182"
Comment		т	Comment Status D		(Logic) (bucket)	Proposed R
explar	natory not	tes b and	he possibility that a 32:4 PM c seem unnecessary. It sho e sublayer below the PMA is	ould be quite of	ovious to any reader that	PROPC
			hen it is a PMA).			C/ 176
Suggestee	dRemedy					Huber, Thor
			e, just under the 32 output l			Comment T
			S, and in the explanation of ' the references to them in t			In the s
Proposed			Response Status W			underst separat
PROF	POSED A		N PRINCIPLE.			SuggestedF
فمام ما ا	- Ein 470				Inverse is a law that DNAA	Add a c
Updat	e the foot		"800GBASE-R SM-PMA" to ow the figure as appropriate		layers below the PMA.	as follow
imple		euitonai				This de R 32:4
						R 32:4 PMA, w
						Proposed R
						PROPC

	SC	114.1.4	P <b>2</b>	40	L 30	# 176
Huber, Tho	omas		Nokia	I		
Comment	Туре	т	Comment Status	D		(Common) (buck
Table ?	174-3 i	s missing o	lause 73 Auto-Neg	otiation	I	
Suggested	Remed	dy				
			e 73 Auto-Negotiatio TBASE-CR8.	on and	indicate it as Mar	ndatory for both
Proposed I	Respor	nse	Response Status	w		
PROP	OSED	ACCEPT.				
C/ 174	SC	174.6	P <b>2</b>	59	L <b>34</b>	# 178
Huber, Tho	omas		Nokia	ı		
Comment	Туре	т	Comment Status	D		(Common) (buck
Clause	e 182 is	s also relev	ant to 1.6TBASE-R			
Suggested	Remed	dv				
	e "Claı	175 thr	ough Clause 180" te	o "Clau	ise 175 through C	lause 180 or Clause
182"			C C			
182" Proposed I			Response Status	w		
Proposed I	Respor		-	w		
Proposed I	Respor OSED	nse	-		L 37	# 179
Proposed I PROP	Respor OSED SC	nse ACCEPT.	Response Status	98	L <b>37</b>	
Proposed I PROP Cl 176	Respor OSED SC omas	nse ACCEPT.	Response Status	<b>98</b>	L 37	
Proposed I PROPO CI 176 Huber, Tho Comment In the s unders	Respor OSED SC omas Type second	ACCEPT. 176.4.2.4 E I paragraph ne sentence	Response Status P 2 Nokia Comment Status a, the phrases that s	98 a D start wit al expla	h "which employ. anatory informatio	# 179
Proposed I PROPO CI 176 Huber, Tho Comment In the s unders	Respor OSED SC omas Type second stand th ited by	ACCEPT. 176.4.2.4 E I paragraphe sentence commas b	Response Status P2 Nokia Comment Status a, the phrases that s e (they are additiona	98 a D start wit al expla	h "which employ. anatory informatio	# <u>179</u> ( <i>Logic) (buck</i> " are not necessary t
Proposed I PROPO Cl 176 Huber, The Comment In the s unders separa Suggested	Respor OSED SC omas Type second stand th sted by Remed comma	ACCEPT. 176.4.2.4 E I paragraphe sentence commas b dy	Response Status P2 Nokia Comment Status a, the phrases that s e (they are additiona oth before and after	98 D start wit al expla r the ph	h "which employ. Inatory informatio Irases.	# <u>179</u> ( <i>Logic) (buck</i> " are not necessary t
Proposed I PROPO CI 176 Huber, Tho Comment In the s unders separa Suggested Add a as follo This de R 32:4	Respor OSED SC omas Type second tand th ted by Remed comma ows: elay fur PMAs	ACCEPT. 176.4.2.4 E I paragraph the sentence commas b dy a after 8000 motion is us , which em	Response Status P2 Nokia Comment Status a, the phrases that s e (they are additiona oth before and after GBASE-R 32:4 PM/ ed by the 200GBAS	98 D start wit al expla r the ph As and SE-R 8: ultiplex	th "which employ. anatory informatio arases. after 1.6TBASE-f	# <u>179</u> ( <i>Logic) (buck</i> " are not necessary t n), so they should be
Proposed I PROPO CI 176 Huber, Tho Comment In the s unders separa Suggested Add a as follo This de R 32:4	Respor OSED SC omas Type second tand th ted by Remed comma ows: elay fur PMAs which e	ACCEPT. 176.4.2.4 E I paragraphesentence commas b dy a after 8000 nction is us , which eme employs sy	Response Status P2 Nokia Comment Status a, the phrases that s e (they are additiona oth before and after GBASE-R 32:4 PM/ ed by the 200GBAS ploy symbol-pair m	98 D start wit al expla r the pr As and SE-R 8: ultiplex lexing.	th "which employ. anatory informatio arases. after 1.6TBASE-f	# <u>179</u> (Logic) (buck " are not necessary t n), so they should be R 16:8 PMA, so it read 16:2, and 800GBASE
Proposed I PROPO CI 176 Huber, Tho Comment In the s unders separa Suggested Add a as follo This de R 32:4 PMA, v Proposed I	Respor OSED SC omas Type second thated by Remed comma ows: elay fur PMAs which e Respor	ACCEPT. 176.4.2.4 E I paragraphesentence commas b dy a after 8000 nction is us , which eme employs sy	Response Status P2 Nokia Comment Status a, the phrases that s e (they are additiona oth before and after GBASE-R 32:4 PM/ ed by the 200GBAS ploy symbol-pair m mbol-quartet multip	98 D start wit al expla r the pr As and SE-R 8: ultiplex lexing.	th "which employ. anatory informatio arases. after 1.6TBASE-f	# <u>179</u> (Logic) (buck " are not necessary t n), so they should be R 16:8 PMA, so it read 16:2, and 800GBASE

C/ 176	SC 176.4.2.	4.2 P300	L 29	# 180
Huber, The	omas	Nokia		
Comment	Туре Е	Comment Status D		(Logic) (bucket
The fir	st sentence has	s a list of two items separated	with a comma ra	ather than 'and'.
Suggested	Remedy			
	e the sentence BASE-R 16:2 PI	to read: This delay is perform MAs.	ed for the 200G	BASE-R 8:1 and
Proposed	Response	Response Status W		
PROP	OSED ACCEP	Т.		
C/ 176	SC 176.7.1.	2 P316	L11	# 181
Huber, The	omas	Nokia		
Comment	Туре Т	Comment Status D		(Logic) (bucket
"set as having	s required by the the set of "pre	igured either based on ILT (as e implementation" (as in the la coder_{tx rx}_{in out}_enable_ It doesn't sound like the user I	ist paragraph), w i" variables to e	hat is the purpose of nable and disable it for

SuggestedRemedy

Either remove the variables entirely, or treat them as status variables that report the configuration if there is some value in the user knowing what the configuration is Or, if the intent in the case that ILT is not being used is that the user needs to figure out whether to enable the precoder on a per-lane basis, make that more clear.

Proposed Response Response Status W

PROPOSED REJECT. Resolve using the response to comment #186 [Editor's note: CC: 176, 177]

Cl 177	SC 177.2	P328	L14	# 182
Huber, Thor	nas	Nokia		
Comment T	ype E	Comment Status D		(Logic) (bucket)

It would be better to not list the specific PMDs here and create a potential need to regularly update this text if new PHYs are added that use this inner FEC.

#### SuggestedRemedy

Replace "The number of parallel streams, n, is 1 for 200GBASE-DR1-2, 2 for 400GBASE-DR2-2, 4 for 800GBASE-DR4-2, 800GBASE-FR4, and 800GBASE-LR4, and 8 for 1.6TBASE-DR8-2."

#### with

"The number of parallel streams, n, is 1 for 200GBASE-R PHYs, 2 for 400GBASE-R PHYs, 4 for 800GBASE-R PHYs, and 8 for 1.6TBASE-R PHYs."

Proposed Response	Response Status	w
Proposed Response	Response Status	

PROPOSED ACCEPT.

C/ 177	SC 177.3	P 328	L <b>45</b>	# 183
Huber, Th	omas	Nokia		
Comment	Туре Т	Comment Status D		(Logic) (bucket)

Clause 182 is not the only PMD that is used with this inner FEC, so the service interface below the Inner FEC is not limited to the PMD service interface in 182.3. It could also be the interface in 183.3. Rather than enumerating all the clauses (which would create a potential need to regularly update the clause), a more generic statement can be used.

#### SuggestedRemedy

Change "the PMD service interface defined in 182.3" to "the PMD service interface for the PHY".

Proposed Response Response Status W PROPOSED ACCEPT.

C/ 177	SC 177.4.2	P33	31	L 29	# 184
Huber, Th	omas	Nokia			
Comment Awkw	51	Comment Status "The data from deskwe	_	A lane is fed"	(Logic) (bucket)
Suggestee Chang	,	the deskwed PMA lan	e is feo	1"	
Proposed	Response	Response Status	w		
PROF Chang		T IN PRINCIPLE.			

"The data from deskewed PMA lane is fed..."

to:

"Data from the deskewed PMA lane is fed..."

C/ 177	SC 177.4.7	P 334	L <b>37</b>	# 185
Huber, Thor	nas	Nokia		
Comment T	уре Т	Comment Status D		(Logic) (bucket)

Figure 177-7 is a bit confusing. The 1024-bit pad is the equivalent number of bits as "8x Inner FEC codewords", but of course is not that, it's padding bits as described by the text and subclauses under the figure. More generatly, the use of "8x" in the figure is not appropriate, as there is no multiplication going on. In the text under the horizontal brace (8704 Inner FEC codewords), the intent is that there are 1088 blocks of 8 Inner FEC codewords (a total of 8704 codewords), but this could easily be misinterpreted by a careless reader as 8704 blocks of 8 Inner FEC codewords It would also be helpful to explicitly indicate 1088 blocks, as that would more clearly relate back to the text about the 1088/1089 ratio.

#### SuggestedRemedy

In the pad blocks, replace "8x Inner FEC codewords" with "1024 bits". In the other blocks, change "8x" to "8". In the text under the brace, add another line that says "(1088 blocks of 8 inner FEC codewords)".

Proposed Response	Response Status	W
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PROPOSED ACCEPT.

C/ 177	SC 177.4.8.2	P336	L15	# 186
Huber, Th	iomas	Nokia		
Comment	Type <b>T</b>	Comment Status D		(Logic) (bucket)

If the precoder is configured either based on ILT or is "set as required by the implementation", what is the purpose of having the set of

"precoder_{tx|rx}_{in|out}_enable_i" variables to enable and disable it for each lane/direction? It doesn't sound like the user has any need to control these settings.

#### SuggestedRemedy

Either remove the variables entirely, or treat them as status variables that report the configuration if there is some value in the user knowing what the configuration is Or, if the intent in the case that ILT is not being used is that the user needs to figure out whether to enable the precoder, make that more clear.

Proposed Response Response Status W

PROPOSED REJECT.

When training is disabled, the user needs to configure the precoder on both sides to the same value, depending on the implementation. The language used here is consistent with similar language in clause 120 and other clauses, and is intentionally vague to allow for a variety of implementation choices.

[Editor's note: CC: 176, 177]

C/ 177	SC	177.5.1	P3:	36	L <b>36</b>	# 187
Huber, The	omas		Nokia			
Comment	Туре	Е	Comment Status	D		(Logic) (bucket)
The la	st sent	ence is a c	comma splice.			
Suggested	Reme	dy				
		ad: "The h /I4 decodin		lecoding	function in Fi	gure 177.2. The soft-
Proposed	Respo	nse	Response Status	w		
PROP	OSED	ACCEPT.				
C/ 177	SC	177.5.2	P <b>3</b> :	37	L <b>20</b>	# 188
Huber, The	omas		Nokia			
Comment "128b-		E cks" has a	Comment Status stray b	D		(Logic) (bucket)
Suggested Chang		<i>dy</i> 28-bit bloc	ls"			
Proposed PROP	•	nse ACCEPT.	Response Status	W		
C/ 180	SC	180.8.3	P4	44	L <b>47</b>	# 194
Huber, The	omas		Nokia			
Comment DR MI		<b>T</b> e pairs of fi	Comment Status bers	D		(Optical) (bucket)
Suggested	Reme	dy				
			option to connect to ber-pair MDI,"	a single	fiber MDI," to	besides the option
Proposed	•		Response Status	w		
PROP	USED	ACCEPT				

C/ 182	SC 182.8.3	P 494	L <b>52</b>	# 197	C/ 184	SC 184.2	P533	L18	# 201
Huber, Tho		Nokia	- 52	" 101	Huber, The		Nokia	- 10	
Comment 7		Comment Status D		(Optical) (bucket)	Comment		Comment Status D		(Logic) (bucket)
	MDIs use pairs o				Awkwa	ard grammar : "C	onvolutional interleaving and	d permutation are	1 0 / 1 /
Suggestedl	Remedy				Ũ	al lanes order".			
	e "besides the nect to a single fil	option to connect to a single per-pair MDI, …"	fiber MDI," to	"besides the option		d as: "Convolutio	onal interleaving and permuta	ation are undone	to restore the original
Proposed F	Response	Response Status W				of the lanes".	-		
	OSED ACCEPT I e using the respo	N PRINCIPLE. onse to comment #135.			Proposed PROP	Response OSED ACCEPT.	Response Status W		
C/ 184	SC 184.2	P533	L <b>4</b>	# 199	C/ 184	SC 184.4.1	P 534	L <b>5</b>	# 202
Huber, Tho	mas	Nokia			Huber, The	omas	Nokia		
Comment 7	Гуре Т	Comment Status D		(Logic) (bucket)	Comment	Туре Т	Comment Status D		(Logic) (bucket)
bounda the PC order a from a	ary. In an implem S, this may not re nd there won't be standardization p	o flow groups (0-15 and 16-3 entation that happens to have equire any effort, because the e any skew to remove, but the perspective. There are alwa I out as optional functions.	ve the inner FEC le PCS will have lat doesn't make	immediatley next ot created the lanes in the process optional	omit th perspe <i>Suggested</i> Chang	nese functions, be ective <i>IRemedy</i> je "The alignmen	nd Inner FEC happen to be ut that doesn't make them of t lock and deskew functions, kew functions shall be"	otional from a sta	ndardization
Suggestedl	Remedy				0				
	e "If necessary, t ed and deskewe	he lanes are reordered and d."	deskewed" with '	The lanes are	Proposed PROP	Response OSED ACCEPT.	Response Status W		
Proposed F PROPC	Response DSED ACCEPT.	Response Status W							
C/ 184	SC 184.2	P 533	L <b>8</b>	# 200					
Huber, Tho	mas	Nokia							
Comment 7	Гуре Е	Comment Status D		(Logic) (bucket)					
Missing	g a hyphen in the	compound adjective 'BCH('	126, 110) encode	d'					
S <i>uggestedl</i> Change		ng the BCH(126,110)-encode	ed flows"						
Proposed F	Response	Response Status W							
PROPO Althoug Also, e hyphen	DSED REJECT. the suggestior quivalent phrases , e.g., "PAM4 en	n is grammatically "correct" a s is used in this form is used coded" (several), "PRBS31 encoded" (175), "257-bit enc	l extensively in the encoded" (severation	is draft without the					
COMMENT		d ER/editorial required GR/ patched A/accepted R/rejer D				d U/unsatisfied 2		ent ID 202	Page 24 of 81 7/7/2025 1:07:04

C/ 184 SC 184.4.3	P 535	L <b>2</b>	# 203	C/ 184 SC 184	.4.7	P 537	L <b>50</b>	# 205
Huber, Thomas	Nokia			Huber, Thomas		Nokia		
Comment Type T	Comment Status D		(Logic) (bucket)	Comment Type E	Comment	Status D		(Logic) (bucket)
values of the index i (m	more clear. The labels "RS-F nod 4). The permutation isn't o	doing anything v	vith the symbols in		, the index q has be q here as the index			the inner FEC. It is H interleaver.
	s 0 and 1; they stay where the g to create symbol quartets w			SuggestedRemedy Choose a differer	nt index for the 4 flow	ws of intero[]		
SuggestedRemedy				Proposed Response	Response S	Status W		
the left side of the figur	in" and "RS-FEC out" labels w re to have one box around co	lumns 2 and 3, r	ows 16-31, and a	PROPOSED ACC Implement with e	CEPT IN PRINCIPL ditorial license.	E.		
the figure to show that	round columns 2 and 3, rows the top and bottom boxes in a			C/ 184 SC 184	.4.7	P <b>537</b>	L <b>51</b>	# 206
have changed position				Huber, Thomas		Nokia		
Proposed Response	Response Status W			Comment Type E	Comment	Status D		(Logic) (bucket)
PROPOSED ACCEPT	-			21	d be avoided if at all		t can be confused	( 0 ) ( )
Figure 184-3 is an example	mple as indicated in the text a			The index I should			t can be confused	( 0 ) ( )
Figure 184-3 is an example state and explanatory, replacing	mple as indicated in the text a them may create more confu			The index I should SuggestedRemedy	d be avoided if at al	l possible, as it	t can be confused	( 0 ) ( )
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of	mple as indicated in the text a them may create more confu- one example. the figure to have one box ar	sion and adding round columns 2	"mod 4" is not 2 and 3, rows 16-31,	The index I should SuggestedRemedy Pick a different le	d be avoided if at all tter to use for this ir	l possible, as it ndex.	t can be confused	( 0 ) ( )
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of and a different style of	mple as indicated in the text a them may create more confu- one example. the figure to have one box ar box around columns 2 and 3,	sion and adding round columns 2 , rows 0-15. Cha	"mod 4" is not 2 and 3, rows 16-31, ange the right hand	The index I should SuggestedRemedy Pick a different le Proposed Response	d be avoided if at all tter to use for this ir <i>Response</i> \$	l possible, as it ndex.	t can be confused	( 0 ) ( )
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of and a different style of	mple as indicated in the text a them may create more confu- one example. the figure to have one box ar box around columns 2 and 3 ow that the top and bottom bo	sion and adding round columns 2 , rows 0-15. Cha	"mod 4" is not 2 and 3, rows 16-31, ange the right hand	The index I should SuggestedRemedy Pick a different le	d be avoided if at all tter to use for this ir <i>Response</i> \$	l possible, as it ndex.	t can be confused	( 0 ) ( )
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of and a different style of side of the figure to show hand side have change	mple as indicated in the text a them may create more confu- one example. the figure to have one box ar box around columns 2 and 3, ow that the top and bottom bo ed positions.	sion and adding round columns 2 , rows 0-15. Cha oxes in columns	"mod 4" is not 2 and 3, rows 16-31, ange the right hand 2 and 3 from the left	The index I should SuggestedRemedy Pick a different le Proposed Response	d be avoided if at all tter to use for this ir <i>Response S</i> CEPT.	l possible, as it ndex.	t can be confused	( 0 ) ( )
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of and a different style of side of the figure to sho hand side have change C/ 184 SC 184.4.5	mple as indicated in the text a them may create more confu- one example. the figure to have one box ar box around columns 2 and 3 ow that the top and bottom bo ed positions.	sion and adding round columns 2 , rows 0-15. Cha	"mod 4" is not 2 and 3, rows 16-31, ange the right hand	The index I should SuggestedRemedy Pick a different le Proposed Response PROPOSED ACC	d be avoided if at all tter to use for this ir <i>Response S</i> CEPT.	l possible, as it ndex. Status W		d for the number 1.
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of and a different style of side of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand side have change of the figure to she hand	mple as indicated in the text a them may create more confu- one example. the figure to have one box ar box around columns 2 and 3 ow that the top and bottom bo ed positions. P537 Nokia	sion and adding round columns 2 , rows 0-15. Cha oxes in columns	"mod 4" is not 2 and 3, rows 16-31, ange the right hand 2 and 3 from the left # 204	The index I should SuggestedRemedy Pick a different le Proposed Response PROPOSED ACC CI 184 SC 184	d be avoided if at all tter to use for this ir <i>Response S</i> CEPT. .11.4.1	l possible, as it ndex. Status W P <b>554</b> Nokia		d for the number 1.
Figure 184-3 is an exame explanatory, replacing necessary since this is Change the left side of and a different style of side of the figure to sho hand side have change C/ 184 SC 184.4.5 Huber, Thomas Comment Type E	mple as indicated in the text a them may create more confu- one example. The figure to have one box ar box around columns 2 and 3, ow that the top and bottom bo ed positions. P537 Nokia Comment Status D	sion and adding round columns 2 , rows 0-15. Cha oxes in columns	"mod 4" is not 2 and 3, rows 16-31, ange the right hand 2 and 3 from the left	The index I should SuggestedRemedy Pick a different le Proposed Response PROPOSED ACC CI 184 SC 184 Huber, Thomas Comment Type T	d be avoided if at all tter to use for this ir <i>Response S</i> CEPT. .11.4.1	l possible, as it ndex. Status W P <b>554</b> Nokia Status D	L18	d for the number 1. # 207 (Logic) (bucket)
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of and a different style of side of the figure to sho hand side have change <i>Cl</i> <b>184</b> <i>SC</i> <b>184.4.5</b> Huber, Thomas	mple as indicated in the text a them may create more confu- one example. The figure to have one box ar box around columns 2 and 3, ow that the top and bottom bo ed positions. P537 Nokia Comment Status D	sion and adding round columns 2 , rows 0-15. Cha oxes in columns	"mod 4" is not 2 and 3, rows 16-31, ange the right hand 2 and 3 from the left # 204	The index I should SuggestedRemedy Pick a different le Proposed Response PROPOSED ACC CI 184 SC 184 Huber, Thomas Comment Type T The signal preser grouping and des	d be avoided if at all tter to use for this ir <i>Response</i> S CEPT. .11.4.1 <i>Comment</i> hted to the permutat kew functions provi	l possible, as it ndex. Status W P554 Nokia Status D tion function mi de, so the func	L18 ust have the prop tions are mandat	# 207 (Logic) (bucket) berties that the lane tory (even if some
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of and a different style of side of the figure to sho hand side have change C/ 184 SC 184.4.5 Huber, Thomas Comment Type E m(x) should have the n	mple as indicated in the text a them may create more confu- one example. The figure to have one box ar box around columns 2 and 3, ow that the top and bottom bo ed positions. P537 Nokia Comment Status D	sion and adding round columns 2 , rows 0-15. Cha oxes in columns	"mod 4" is not 2 and 3, rows 16-31, ange the right hand 2 and 3 from the left # 204	The index I should SuggestedRemedy Pick a different le Proposed Response PROPOSED ACC CI 184 SC 184 Huber, Thomas Comment Type T The signal preser grouping and des	d be avoided if at all tter to use for this ir <i>Response</i> S CEPT. .11.4.1 <i>Comment</i> nted to the permutat	l possible, as it ndex. Status W P554 Nokia Status D tion function mi de, so the func	L18 ust have the prop tions are mandat	# 207 (Logic) (bucket) berties that the lane tory (even if some
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of and a different style of side of the figure to sho hand side have change C/ 184 SC 184.4.5 Huber, Thomas Comment Type E m(x) should have the n	mple as indicated in the text a them may create more confu- one example. The figure to have one box ar box around columns 2 and 3, ow that the top and bottom bo ed positions. P537 Nokia Comment Status D	sion and adding round columns 2 , rows 0-15. Cha oxes in columns	"mod 4" is not 2 and 3, rows 16-31, ange the right hand 2 and 3 from the left # 204	The index I should SuggestedRemedy Pick a different le Proposed Response PROPOSED ACC Cl 184 SC 184 Huber, Thomas Comment Type T The signal preser grouping and des implementations SuggestedRemedy	d be avoided if at all tter to use for this ir <i>Response</i> S CEPT. .11.4.1 <i>Comment</i> need to the permutat kew functions provie may not need to per	I possible, as it ndex. Status W P554 Nokia Status D tion function mide, so the func rform these fun	L18 ust have the prop tions are mandat	# 207 (Logic) (bucket) berties that the lane tory (even if some
Figure 184-3 is an example explanatory, replacing necessary since this is Change the left side of and a different style of side of the figure to she hand side have change <i>Cl</i> 184 SC 184.4.5 Huber, Thomas Comment Type <b>E</b> m(x) should have the necessary since the statement of th	mple as indicated in the text a them may create more confu- one example. The figure to have one box ar box around columns 2 and 3, ow that the top and bottom bo ed positions. P537 Nokia Comment Status D	sion and adding round columns 2 , rows 0-15. Cha oxes in columns	"mod 4" is not 2 and 3, rows 16-31, ange the right hand 2 and 3 from the left # 204	The index I should SuggestedRemedy Pick a different le Proposed Response PROPOSED ACC Cl 184 SC 184 Huber, Thomas Comment Type T The signal preser grouping and des implementations SuggestedRemedy	d be avoided if at all tter to use for this ir <i>Response</i> S CEPT. .11.4.1 <i>Comment</i> hted to the permutat kew functions provi	I possible, as it ndex. Status W P554 Nokia Status D tion function mide, so the func rform these fun	L18 ust have the prop tions are mandat	# 207 (Logic) (bucket) berties that the lane tory (even if some

C/ 186	SC 186.2.1	P 582	L <b>4</b>	# 209	C/ 186	SC 186.2.1	P <b>582</b>	L 30	# 212
luber, Tho	mas	Nokia			Huber, Th		Nokia		L
Comment T	Гуре Е	Comment Status D		(Logic) (bucket)	Comment	Туре Т	Comment Status D		(Logic) (bucket)
	second sentence, o e ER1 FEC code.	clarify "800GBASE-ER1 FE	EC" is referring t	o the sublayer rather		iterface between a	the FEC and PMA sublayers	is FEC codewo	rds, not digitized
Suggestedl	Remedy				Suggestee	dRemedy			
	e "800GBASE-ER [®] I throughout the su	I FEC" to "800GBASE-ER bclause.	1 FEC sublayer'	. This should be	synch	ronization proces	use of the second sentence f s accepts a stream of m-bit d	igitized DP-16C	AM symbols via the
Proposed F	Response	Response Status W			PMA: to	S_UNITDATA.ind	dication primitive and forms a	stream of ER1	FEC codewords"
	DSED ACCEPT IN the suggested	PRINCIPLE. remedy with editorial licer	nse		" the	form of m-bit digi	1 FEC synchronization procestized bitstreams representing		
C/ 186	SC 186.2.1	P 582	L19	# 210	symbo	Response	Deserves Status W		
Huber, Tho	mas	Nokia			,	POSED ACCEPT.	Response Status W		
Comment 7	Гуре Е	Comment Status D		(Logic) (bucket)	FROF	OSED ACCEPT.			
The "8 sublaye		be called lanes since they	are not an interf	ace between two	C/ 186	SC 186.2.2	P 582	L <b>47</b>	# 213
Suggestedl					Huber, Th		Nokia		
Change of this s	e 8 lanes to "8 ER	1 FEC flows" throughout th ange also needs to be mad			Comment The te codev	ext here says the	Comment Status D UNITDATA parameter is a sy	mbol, whereas	<i>(Logic) (bucket)</i> 186.3.2 says it is FEC
Proposed F		Response Status W			Suggestee	dRemedy			
PROPO	DSED ACCEPT IN	,	nse.		sense	to describe the s	s the Gray coding and symbo ervice interface to the PMA a deword and rx_codeword, res	s FEC codewor	
C/ 186	SC 186.2.1	P 582	L23	# 211	Proposed	Response	Response Status W		
Huber, Tho	mas	Nokia	-		PROF	OSED ACCEPT.			
Comment 1		Comment Status D		(Logic) (bucket)	01.100				"
		e FEC and PMA sublayers	is FEC codewo		C/ 186	SC 186.2.3.4		L 28	# 215
Suggestedl	Remedy	·			Huber, Th		Nokia		
00	"as a stream of sy	mbols" from the end of the	e last sentence o	f the 3rd-to-last		51	Comment Status <b>D</b> in G.709.1, but the values us is clause).	ed in it are in G	<i>(Logic) (bucket)</i> 709.6 (as indicated in
		Response Status W			Suggestee				
Proposed F	Response	· · · · · · · · · · · · · · · · · · ·							
Proposed F PROPC	OSED ACCEPT.				Chang	•	"Recommendation ITU_T G. R-01.0"	709.1, Recomn	nendation ITU-T

C/ 186	SC 186.2.3.4.1	P 586	L34	# 216	C/ 178B	SC 178B.3	P <b>786</b>	L <b>31</b>	# 221
Huber, Tho	omas	Nokia			Huber, Tho	mas	Nokia		
Comment	Type E	Comment Status D		(Logic) (bucket)	Comment 7	ype E	Comment Status D		(Common) (bucket) ILT
Suggested		l in G.709.1 rather than G.70	09.6		'AUI bo	ttom componer	omponent in Annex 178B use nt', whlie related text in 45.2.1. '. The terms should be consis	269 uses 'uppe	er AUI component' and
-					Suggestedl	Remedy			
Proposed PROP	Response OSED ACCEPT.	Response Status W					s better than upper and bottom ment' and 'lower AUI compone		definition in 178B.3 to
C/ 186	SC 186.2.3.5.5		L14	# 217		DSED ACCEPT	Response Status W		
Huber, The		Nokia		(Lessie) (herebert)	Implem	ent suggested	remedy with editorial license.		
Comment	51	Comment Status D MAP are bytes 6 and 7 of the	o first row pot 6	(Logic) (bucket)	C/ 178B	SC 178B.4	P <b>786</b>	L 52	# 223
		WAF are bytes 0 and 7 of the	e instrow, not o		Huber, Tho	mas	Nokia		
Suggested	Remedy je "byte 8" to "byte	7			Comment 7	уре <b>т</b>	Comment Status D	ion)	ILT components (bucket)
Proposed		Response Status W			one or Howeve	wo physically inter, an end-to-er	n is confusing. The text begins nstantiated interfaces, specific nd path between two PCS coul r implementation, plus the MD	ally AUI or PM Id include as m	D components." any as 5 ISLs: two AUIs
C/ 186	SC 186.3.2	P 599	L <b>40</b>	# 219	Suggestedl	Remedy			
Huber, The		Nokia			If this p		not present, the information in	the rest of the	clause is still clear.
Comment		Comment Status D	as sumber of a	(Logic) (bucket)	Proposed F	lesponse	Response Status W		
(one fo	or each primitive, a	e service interface has a lar and within those, a 'semantic pared to the FEC subclause	cs', 'when gener	ated', and 'effect of	PROPO	SED ACCEPT	IN PRINCIPLE.		
	ce descriptions.in		, and compared				nportant, but it and the rest of	the paragraph	should be reworded to
Suggestea	Remedy				make it	more understa	andable.		
		nove all the subheadings, m in the overall structure with w					n with the following: /e one or two physically instan	tiated interface	s. A physically
Proposed	Response	Response Status W					s either a PMD or an AUI com		
Remove that re (e.g. ,1	OSED ACCEPT II ve level 4 and leve mains to align with 173, 176). nent with editorial	el 5 headings throughout sub n the style of service interfac	oclause 186.3.2, ce specification t	and update the text for other PMA layers	(Annex never p interfac	176D) or AUI-0 hysically instar es is a retimer	ated interface is a PMA adjace C2C (Annex 176C) interface (t ntiated). An example of a devic with an AUI-C2C (Annex 176C the other side."	he interface wit	th the PCS or PHY XS is sically instantiated

(e.g. ,173, 176). Implement with editorial license.

## Implement with editorial license.

C/ 178B SC 178B.4	P <b>787</b>	L <b>5</b>	# 224	C/ 178B	SC 178B.7	P <b>795</b>	L <b>4</b>	# 230
luber, Thomas	Nokia			Huber, Tho	nas	Nokia		
Comment Type T Commen	nt Status D		(Common) (bucket) ILT	Comment T	ype E	Comment Status D		(Common) (bucket) IL
While it's true that there are "one o For an n lane interface there are ex SuggestedRemedy Change "one or more per-lane fund	kactly n per-lane	functions.		column easier f	for the election the reader	combine tables 178B-2 and 176 ical interfaces and one for the of to see that the formats are the e not used. The same applies t	optical interfact same, except	es. That would make it that on optical links
Proposed Response Response	e Status W			Suggested	Remedy			
PROPOSED ACCEPT IN PRINCIF Change: "and one or more per-lane To: "and one per-lane function for of C/ 178B SC 178B.5.1	e functions"	iated with the in	terface" # 227	Change "Optica Delete	the heading interfaces, a Fable 178B-3	e to 'Control field structure for 2 of the 3rd column to "Electrical and populate it with the informat changes in clause 178B.8 for t	interfaces". / ion that is in T	Add a fourth column titled Fable 178B-3.
Huber, Thomas	Nokia			Proposed F	esponse	Response Status W		
"Interface" is vague. I think this cla SuggestedRemedy Replace "interface" with something could be used as appropriate throu	more specific a	nd clear. "ISL e	endpoint" and "ISL lane"	interfac differen messy.	e. There is p t functions a Currently on	a clearly show what is required to be the that the function of som ad might be combined in differe y two types, E1 and O1, are de re crowded and perhaps more	e reserved bit nt ways so a c fined, but othe	s may be assigned combined table would get
Proposed Response Response	e Status W			C/ 172	SC 172	P236	LO	# 240
PROPOSED ACCEPT IN PRINCIP	PLE.			Cox, Ian		Broadcom		
Interface is never concisely defined beginning would be helpful.	d in Annex 178B	. A defining stat	ement near the	Comment T		Comment Status D s 236-243 reads P802.3df and	not dj.	(Logic) (bucket
Add the following definition to "178	B.3 Conventions	5"		Suggested Change		rom 802.3df to 802.3dj		
"Interface Unless qualified otherwise, a physi component."	cally instatiated	interface, either	a PMD or AUI	Proposed F PROPC	esponse SED ACCEI	Response Status W		
Implement with editorial license.								
Implement with editorial license.								

C/ 177 SC 177.1		P 327	L11	# 241	C/ 186	SC 186.2.4.1	Р	594	L <b>9</b>	# 26	5
Gorshe, Steve	N	licrochip Tech	nnology		Wang, Xuel	00	Hua	wei			
Comment Type E	Comment Sta	atus D		(Logic) (bucket)	Comment T	ype <b>T</b>	Comment Statu	s D		(Log	ic) (bucke
The term "SIL" appea Indication Logic" but			some figures a	s meaning "Signal			ould be 172032. Earling to 172032			epresents 8 bi	ts, then
SuggestedRemedy					Suggested	Remedy					
		hout consiste	nt definition, I re	ecommend adding SIL	Change	e "344064" to "17	2032".				
to the abbreviation lis					Proposed R	esponse	Response Status	s W			
Proposed Response PROPOSED ACCEF [Editor's note: CC: 1,		atus <b>W</b>			PROPC	OSED ACCEPT.					
C/ 186 SC 186.2.3	3.5.10	P 590	L14	# 242							
Gorshe, Steve	N	licrochip Tech	nnology								
Comment Type TR	Comment Sta	atus D		(Logic) (bucket)							
shown in Table 186- word. Since each of	1, the first block of the 8 lanes are ma	each 800GBA	ASE-ER1 frame eir own 800GBA	SE-ER1 frame, and							
shown in Table 186- word. Since each of GMP mapping is per Figure 186-7. SuggestedRemedy If this comment is co	1, the first block of the 8 lanes are ma formed per lane, th prrect, Figure 186-7	each 800GB/ apped into the here should be	ASE-ER1 frame eir own 800GBA e a single stuff t odified to begin	e will be a GMP stuff							
shown in Table 186- word. Since each of GMP mapping is per Figure 186-7. SuggestedRemedy If this comment is co	1, the first block of the 8 lanes are ma formed per lane, th prrect, Figure 186-7	each 800GB/ apped into the here should be	ASE-ER1 frame eir own 800GBA e a single stuff t odified to begin	e will be a GMP stuff SE-ER1 frame, and block in the first row of the payload area with							
shown in Table 186- word. Since each of GMP mapping is per Figure 186-7. SuggestedRemedy If this comment is co a single stuff block.	1, the first block of the 8 lanes are ma formed per lane, th prrect, Figure 186-7 If the four stuff block <i>Response Sta</i> PT IN PRINCIPLE. rect.	each 800GB/ apped into the here should be ' should be mo cks are correct atus <b>W</b>	ASE-ER1 frame eir own 800GBA e a single stuff t odified to begin ct, an explanatic	e will be a GMP stuff SE-ER1 frame, and block in the first row of the payload area with on should be added to							
shown in Table 186- word. Since each of GMP mapping is per Figure 186-7. SuggestedRemedy If this comment is co a single stuff block. explain why. Proposed Response PROPOSED ACCEF The comment is corr Update the figure to	1, the first block of the 8 lanes are ma formed per lane, th prrect, Figure 186-7 If the four stuff block <i>Response Sta</i> PT IN PRINCIPLE. rect. show a single stuff	each 800GB/ apped into the here should be ' should be mo cks are correct atus <b>W</b>	ASE-ER1 frame eir own 800GBA e a single stuff t odified to begin ct, an explanatic	e will be a GMP stuff SE-ER1 frame, and block in the first row of the payload area with on should be added to							
shown in Table 186- word. Since each of GMP mapping is per Figure 186-7. SuggestedRemedy If this comment is co a single stuff block. explain why. Proposed Response PROPOSED ACCEF The comment is corr Update the figure to	1, the first block of the 8 lanes are ma formed per lane, th orrect, Figure 186-7 If the four stuff block <i>Response Sta</i> PT IN PRINCIPLE. rect. show a single stuff <b>3.8</b>	each 800GB/ apped into the here should be ' should be mo cks are correct atus <b>W</b> block at the s	ASE-ER1 frame eir own 800GBA e a single stuff t odified to begin ct, an explanatic start of the mult	e will be a GMP stuff SE-ER1 frame, and block in the first row of the payload area with on should be added to							
shown in Table 186- word. Since each of GMP mapping is per Figure 186-7. SuggestedRemedy If this comment is co a single stuff block. explain why. Proposed Response PROPOSED ACCEF The comment is corr Update the figure to so C/ 186 SC 186.2.3 Wang, Xuebo	1, the first block of the 8 lanes are ma formed per lane, th orrect, Figure 186-7 If the four stuff block <i>Response Sta</i> PT IN PRINCIPLE. rect. show a single stuff <b>3.8</b>	each 800GB/ apped into the here should be if should be micks are correct atus W block at the s P591 luawei	ASE-ER1 frame eir own 800GBA e a single stuff t odified to begin ct, an explanatic start of the mult	e will be a GMP stuff SE-ER1 frame, and block in the first row of the payload area with on should be added to							
shown in Table 186- word. Since each of GMP mapping is per Figure 186-7. SuggestedRemedy If this comment is co a single stuff block. explain why. Proposed Response PROPOSED ACCEF The comment is corr Update the figure to a C/ 186 SC 186.2.3 Nang, Xuebo Comment Type E	1, the first block of the 8 lanes are ma formed per lane, th prrect, Figure 186-7 If the four stuff block <i>Response Sta</i> PT IN PRINCIPLE. rect. show a single stuff <b>3.8</b> H <i>Comment Sta</i> e changed to "OFB	each 800GB/ apped into the here should be if should be mucks are correct atus W block at the s P591 luawei atus D	ASE-ER1 frame eir own 800GBA e a single stuff b odified to begin ct, an explanatic start of the mult	e will be a GMP stuff SE-ER1 frame, and block in the first row of the payload area with on should be added to iframe # 264							
shown in Table 186- word. Since each of GMP mapping is per Figure 186-7. SuggestedRemedy If this comment is con a single stuff block. explain why. Proposed Response PROPOSED ACCEF The comment is corr Update the figure to a Cl 186 SC 186.2.3 Vang, Xuebo Comment Type E "OBFG84" should be group in ITU-T G709	1, the first block of the 8 lanes are ma formed per lane, th prrect, Figure 186-7 If the four stuff block <i>Response Sta</i> PT IN PRINCIPLE. rect. show a single stuff <b>3.8</b> H <i>Comment Sta</i> e changed to "OFB	each 800GB/ apped into the here should be if should be mucks are correct atus W block at the s P591 luawei atus D	ASE-ER1 frame eir own 800GBA e a single stuff b odified to begin ct, an explanatic start of the mult	e will be a GMP stuff SE-ER1 frame, and block in the first row of the payload area with on should be added to iframe # 264 (Logic) (bucket)							
shown in Table 186- word. Since each of GMP mapping is per Figure 186-7. SuggestedRemedy If this comment is co a single stuff block. explain why. Proposed Response PROPOSED ACCEF The comment is corr Update the figure to Cl 186 SC 186.2.3 Nang, Xuebo Comment Type E "OBFG84" should be	1, the first block of the 8 lanes are ma formed per lane, th orrect, Figure 186-7 If the four stuff block <i>Response Sta</i> PT IN PRINCIPLE. rect. show a single stuff <b>3.8</b> H <i>Comment Sta</i> e changed to "OFBI 0.6.	each 800GB/ apped into the here should be if should be mucks are correct atus W block at the s P591 luawei atus D	ASE-ER1 frame eir own 800GBA e a single stuff b odified to begin ct, an explanatic start of the mult	e will be a GMP stuff SE-ER1 frame, and block in the first row of the payload area with on should be added to iframe # 264 (Logic) (bucket)							

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/ 176B	SC 176B.4	P <b>702</b>	L <b>40</b>	# 266
Wang, Xuebo	D	Huawei		
Comment Ty	pe T	Comment Status D		(Common) (bucket)

The current content of PMA instantiations seems to include interfaces with all possible data rates per lane. However, for 200 Gb/s and 400 Gb/s physical layer implementations in Annex 176B.4 and Annex 176B.5, some cases are missing. For example, some interfaces with 25 Gbps per lane and 50 Gbps per lane are not included for now. For a complete presentation, it is suggested to add those missing cases.

#### SuggestedRemedy

1. On Page 702, Line 42: change the title "8:1 and 8:2 PMA instantiations for 200GBASE-R PHYs" to "8:4, 8:2 and 8:1 PMA instantiations for 200GBASE-R PHYs" to include PMD with four 50 Gb/s physical lanes.

2. On Page 703, Line 11: change "n = 2 or 4" to "n = 2, 4 or 8" to include 200GAUI-8 interface.

On Page 704, Line 21 and 22: change "{n,p}" to "p". This change is consistent with the style used in Table 176B-1 and avoids the trouble of listing all possible values of n.
 On Page 704, Line 35, change "120E (C2M)" to "120D (C2C)". This should be a typo.

5. On Page 704, Line 44, change "n = 2 or 4" to "n = 2, 4 or 8" to include 200GAUI-8 interface.

6. On Page 705, Line 11, change "120E (C2M)" to "120D (C2C)". This should be a typo. 7. On Page 705, Line 17, change "n = 2 or 4" to "n = 2, 4 or 8" to include 200GAUI-8 interface.

8. On Page 705, Line 23 and 24: change "{n,p}" to "p". This change is consistent with the style used in Table 176B-1 and avoids the trouble of listing all possible values of n.
9. On Page 707, Line 30, change the title "16:8, 16:4, and 16:2 PMA instantiations for 400GBASE-R PHYs" to "16:16, 16:8, 16:4, and 16:2 PMA instantiations for 400GBASE-R PHYs" to include 400GBASE-SR16 PMD.

10. On Page 707, Line 36, change "p is 2, 4, or 8" to "p is 2, 4, 8, or 16".

11. On Page 708, Line 4, change " 16:{4,8,16}:{4,8}, 16:4:4" to "16:{4,8,16}:{4,8,16}".

12. Change "{4,8}" in table titles to "{4,8,16}" in Line 21 on Page 708, Line 4 and Line 28 on Page 709, Line 4 and Line 30 on Page 710.

13. On Page 708, Line 8, change "n=4" to "n=4, 8, or 16" to include 400GAUI-8 and 400GAUI-16 interfaces.

14. On Page 708, Line 14, change "p=4" to "p=4, 8, or 16" to include PMDs with 8 and 16 physical lanes.

15. On Page 708, Line 34, change "p=4: or 8" to "p=4, 8, or 16" to include PMD with 16 physical lanes.

16. In Line 49 on Page 709 and Line 53 on Page 710, change "p=4 or 8" to "p=4, 8, or 16" to include PMD with 16 physical lanes.

17. On Page 710, Line 15 and 16, change "{m, n}" to "m" since n is not used.

18. On Page 710, Line 17, change "n=4 or 8" to "n=4, 8, or 16" to include 400GAUI-16 interface.

19. On Page 710, Line 20, add "n=16: 120C (C2C)" to include 400GAUI-16 C2C.

20. On Page 710, Line 23, change "{n,p}=4 or 8" to "{n,p}=4, 8, or 16".

A contribution covering all the remedies will be provided.

Proposed Response Response Status W
PROPOSED ACCEPT IN PRINCIPLE.
Implement the suggested remedy with editorial license.

C/ 186 S	C 186.3.3.2	P 602	L51	# 267
Wang, Xuebo		Huawei		
Comment Type	E	Comment Status D		(Logic) (bucket)

"mfas<0:21>" should be changed to "faw<0:21>", as it is shortened from multi-frame alignment word per CL186.3.3.5.

SuggestedRemedy

Change "mfas<0:21>" to "faw<0:21>".

Proposed Response	Response Status	w
PROPOSED ACCEPT.		

C/ 186	SC 186.3.3.2	P603	L <b>9</b>	#	268
Wang, Xu	ebo	Huawei			

 Comment Type
 T
 Comment Status
 D
 (Logic) (bucket)

 "S<7023:7075>" should be changed to "S<7013:7075>". Each 800GBASE-ER1 PMA frame contains 114 rows of 64 symbols per Line 46 on Page 602 in CL186.3.3.2. S<7013:7075>

consists of the 63 payload symbols of row 113 leaded by the pilot symbol P113.

## SuggestedRemedy

Change "S<7023:7075>" to "S<7013:7075>".

Proposed Response	Response Status	W
PROPOSED ACCEPT.		

C/ 176B S	C 176B.2	P <b>700</b>	L <b>8</b>	# 270
Wang, Xuebo		Huawei		
Comment Type	E	Comment Status D		(Common) (bucket)

"of" is missing between "the number" and "upper".

SuggestedRemedy

Add "of" between "the number" and "upper".

Proposed Response Response Status W

PROPOSED ACCEPT.

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

Comment ID 270

Page 30 of 81 7/7/2025 1:07:04 PM

C/ 176B SC 176B.2	P <b>701</b>	L <b>40</b>	# 271	C/ 176B SC 176B.6.1	P <b>713</b>	L 28	# 274
Wang, Xuebo	Huawei			Wang, Xuebo	Huawei		
Comment Type E Comm	nent Status D		(Common) (bucket)	Comment Type T	Comment Status D		(Common) (bucket
Typo: "my" should be changed to	o "may".			The note should descr	ibe how an n:p PMA is form	ned instead of an	m:n PMA
SuggestedRemedy				SuggestedRemedy			
Change "my" to "may". Proposed Response Respon	nse Status W				"The combination of m:32 F :32 PMA and 32:p PMA forr		A forms an m:n PMA" to
PROPOSED ACCEPT.				Proposed Response	Response Status W		
				PROPOSED ACCEPT	-		
C/ 176B SC 176B.3	P <b>702</b>	L 22	# 272	Implement the sugges	ted remedy with editorial lic	ense.	
Wang, Xuebo	Huawei			C/ 176B SC 176B.6.2	2 P <b>715</b>	L <b>44</b>	# 275
Comment Type T Comm	nent Status D		(Common) (bucket)	Wang, Xuebo	Huawei		
"4:32 BM-PMA" should be chang	ged to "4:32 SM-PM	A", as the PMA	above it is an SM-PMA.	Comment Type T	Comment Status D		(Common) (bucket
SuggestedRemedy Change "4:32 BM-PMA" to "4:32				"B", respectively, per 0 176B-25. The same is	ed interfaces and bit-multiple CL176B.6.2. However, "S" a sue happens in the titles of	nd "B" are missin 176B-26 and 176	ig in the titles of Table
Proposed Response Respon	nse Status W			on Fage 7 to. The mis	sing also does not ne with th	le title style of oth	ici tables in Annex 170D.
Proposed Response Respon PROPOSED ACCEPT.	nse Status W			SuggestedRemedy	sing also does not ne with th		ici tables in Annex 1705.
PROPOSED ACCEPT.	P706	L <b>3</b>	# 273	SuggestedRemedy Change the title of Tat "800 Gb/s 32:4:32 and	ole 176B-25 "800 Gb/s 32:4 I 32:8:32 (S or B) PMA insta	:32 and 32:8:32 F antiations";	PMA instantiations" to
PROPOSED ACCEPT.		L3	# 273	SuggestedRemedy Change the title of Tak "800 Gb/s 32:4:32 and Change the title of Tak	ole 176B-25 "800 Gb/s 32:4 I 32:8:32 (S or B) PMA insta ole 176B-26 "800 Gb/s 32:8	:32 and 32:8:32 F antiations"; :8:32 and 32:4:4:3	PMA instantiations" to 32 (n = m) PMA
PROPOSED ACCEPT. C/ 176B SC 176B.4.2 Wang, Xuebo Comment Type T Comm "Figure 176B-2" should be chang	P <b>706</b> Huawei nent Status <b>D</b> ged to "Figure 176B	-3", as the Exte	(Common) (bucket) nder is shown in Figure	SuggestedRemedy Change the title of Tak "800 Gb/s 32:4:32 and Change the title of Tak instantiations" to "800 Change the title of Tak	ole 176B-25 "800 Gb/s 32:4 I 32:8:32 (S or B) PMA insta	:32 and 32:8:32 F antiations"; :8:32 and 32:4:4: 32 (n = m, BB or \$ 32:4:8:32 and 32	PMA instantiations" to 32 (n = m) PMA SS) PMA instantiations"; 2:8:4:32 (n≠m)
PROPOSED ACCEPT. C/ 176B SC 176B.4.2 Wang, Xuebo Comment Type T Comm	P <b>706</b> Huawei nent Status <b>D</b> ged to "Figure 176B	-3", as the Exte	(Common) (bucket) nder is shown in Figure	SuggestedRemedy Change the title of Tak "800 Gb/s 32:4:32 and Change the title of Tak instantiations" to "800 Change the title of Tak	ole 176B-25 "800 Gb/s 32:4 I 32:8:32 (S or B) PMA insta ole 176B-26 "800 Gb/s 32:8 Gb/s 32:8:8:32 and 32:4:4: ole 176B-27 "800 Gb/s PMA	:32 and 32:8:32 F antiations"; :8:32 and 32:4:4: 32 (n = m, BB or \$ 32:4:8:32 and 32	PMA instantiations" to 32 (n = m) PMA SS) PMA instantiations"; 2:8:4:32 (n≠m)
PROPOSED ACCEPT. <i>Cl</i> <b>176B</b> <i>SC</i> <b>176B.4.2</b> <i>Wang, Xuebo</i> <i>Comment Type</i> <b>T</b> <i>Comm</i> "Figure 176B-2" should be chang 176B-3 instead of 176B-2. The	P 706 Huawei <i>nent Status</i> D ged to "Figure 176B same issue happens	-3", as the Exte s in Line 3 on P	(Common) (bucket) nder is shown in Figure age 711.	SuggestedRemedy Change the title of Tat "800 Gb/s 32:4:32 and Change the title of Tat instantiations" to "800 Change the title of Tat instantiations" to "800 Proposed Response PROPOSED ACCEPT	ble 176B-25 "800 Gb/s 32:4 32:8:32 (S or B) PMA insta ble 176B-26 "800 Gb/s 32:8 Gb/s 32:8:8:32 and 32:4:4: ble 176B-27 "800 Gb/s PMA Gb/s 32:4:8:32 and 32:8:4: <i>Response Status</i> <b>W</b>	:32 and 32:8:32 F antiations"; :8:32 and 32:4:4: 32 (n = m, BB or \$ 32:4:8:32 and 32 32 (n≠m, SB or B	PMA instantiations" to 32 (n = m) PMA SS) PMA instantiations"; 2:8:4:32 (n≠m)
PROPOSED ACCEPT. <i>CI</i> <b>176B</b> <i>SC</i> <b>176B.4.2</b> <i>Wang, Xuebo</i> <i>Comment Type</i> <b>T</b> <i>Comm</i> "Figure 176B-2" should be chang 176B-3 instead of 176B-2. The <i>SuggestedRemedy</i> Change "Figure 176B-2" to "Figure <i>Proposed Response Response</i>	P 706 Huawei <i>nent Status</i> D ged to "Figure 176B same issue happens	-3", as the Exte s in Line 3 on P	(Common) (bucket) nder is shown in Figure age 711.	SuggestedRemedy Change the title of Tat "800 Gb/s 32:4:32 and Change the title of Tat instantiations" to "800 Change the title of Tat instantiations" to "800 Proposed Response PROPOSED ACCEPT	Dle 176B-25 "800 Gb/s 32:4 32:8:32 (S or B) PMA insta obe 176B-26 "800 Gb/s 32:8 Gb/s 32:8:8:32 and 32:4:4: obe 176B-27 "800 Gb/s PMA Gb/s 32:4:8:32 and 32:8:4: <i>Response Status</i> <b>W</b> TIN PRINCIPLE. ted remedy with editorial lic	:32 and 32:8:32 F antiations"; :8:32 and 32:4:4: 32 (n = m, BB or \$ 32:4:8:32 and 32 32 (n≠m, SB or B	PMA instantiations" to 32 (n = m) PMA SS) PMA instantiations"; 2:8:4:32 (n≠m)
PROPOSED ACCEPT. C/ 176B SC 176B.4.2 Wang, Xuebo Comment Type T Comm "Figure 176B-2" should be chang 176B-3 instead of 176B-2. The SuggestedRemedy Change "Figure 176B-2" to "Figu	P706 Huawei hent Status D ged to "Figure 176B same issue happens ure 176B-3" in Line 3	-3", as the Exte s in Line 3 on P	(Common) (bucket) nder is shown in Figure age 711.	SuggestedRemedy Change the title of Tat "800 Gb/s 32:4:32 and Change the title of Tat instantiations" to "800 Change the title of Tat instantiations" to "800 Proposed Response PROPOSED ACCEPT Implement the sugges	Dle 176B-25 "800 Gb/s 32:4 32:8:32 (S or B) PMA insta obe 176B-26 "800 Gb/s 32:8 Gb/s 32:8:8:32 and 32:4:4: obe 176B-27 "800 Gb/s PMA Gb/s 32:4:8:32 and 32:8:4: <i>Response Status</i> <b>W</b> TIN PRINCIPLE. ted remedy with editorial lic	:32 and 32:8:32 F antiations"; :8:32 and 32:4:4: 32 (n = m, BB or \$ 32:4:8:32 and 32 32 (n≠m, SB or B ense.	PMA instantiations" to 32 (n = m) PMA SS) PMA instantiations"; $2:8:4:32 (n \neq m)$ S) PMA instantiations".
PROPOSED ACCEPT. Cl 176B SC 176B.4.2 Nang, Xuebo Comment Type T Comm "Figure 176B-2" should be chang 176B-3 instead of 176B-2. The SuggestedRemedy Change "Figure 176B-2" to "Figure Proposed Response Response	P706 Huawei hent Status D ged to "Figure 176B same issue happens ure 176B-3" in Line 3	-3", as the Exte s in Line 3 on P	(Common) (bucket) nder is shown in Figure age 711.	SuggestedRemedy Change the title of Tat "800 Gb/s 32:4:32 and Change the title of Tat instantiations" to "800 Change the title of Tat instantiations" to "800 Proposed Response PROPOSED ACCEPT Implement the sugges	ble 176B-25 "800 Gb/s 32:4 32:8:32 (S or B) PMA insta ble 176B-26 "800 Gb/s 32:8 Gb/s 32:8:8:32 and 32:4:4:3 ble 176B-27 "800 Gb/s PMA Gb/s 32:4:8:32 and 32:8:4:3 <i>Response Status</i> <b>W</b> TIN PRINCIPLE. ted remedy with editorial lic <b>P717</b>	:32 and 32:8:32 F antiations"; :8:32 and 32:4:4: 32 (n = m, BB or \$ 32:4:8:32 and 32 32 (n≠m, SB or B ense.	PMA instantiations" to 32 (n = m) PMA SS) PMA instantiations"; 2:8:4:32 (n $\neq$ m) S) PMA instantiations".
PROPOSED ACCEPT. <i>CI</i> <b>176B</b> <i>SC</i> <b>176B.4.2</b> Wang, Xuebo <i>Comment Type</i> <b>T</b> <i>Comm</i> "Figure 176B-2" should be chang 176B-3 instead of 176B-2. The <i>SuggestedRemedy</i> Change "Figure 176B-2" to "Figure <i>Proposed Response Response</i>	P706 Huawei hent Status D ged to "Figure 176B same issue happens ure 176B-3" in Line 3	-3", as the Exte s in Line 3 on P	(Common) (bucket) nder is shown in Figure age 711.	SuggestedRemedy Change the title of Tat "800 Gb/s 32:4:32 and Change the title of Tat instantiations" to "800 Change the title of Tat instantiations" to "800 Proposed Response PROPOSED ACCEPT Implement the sugges C/ 176B SC 176B.7.1 Wang, Xuebo Comment Type E	ble 176B-25 "800 Gb/s 32:4 32:8:32 (S or B) PMA insta ble 176B-26 "800 Gb/s 32:8 Gb/s 32:8:8:32 and 32:4:4: ble 176B-27 "800 Gb/s PMA Gb/s 32:4:8:32 and 32:8:4: <i>Response Status</i> <b>W</b> TIN PRINCIPLE. ted remedy with editorial lic <b>P717</b> Huawei <i>Comment Status</i> <b>D</b>	:32 and 32:8:32 F antiations"; :8:32 and 32:4:4: 32 (n = m, BB or \$ 32:4:8:32 and 32 32 (n≠m, SB or B ense.	PMA instantiations" to 32 (n = m) PMA SS) PMA instantiations"; $2:8:4:32 (n \neq m)$ S) PMA instantiations". # 276

CI 176B	SC 176B.7.2	P <b>718</b>	L <b>24</b>	# 277	C/ 176B	SC	176B.6.2	P <b>715</b>	L <b>39</b>	# 279
Wang, Xue	bo	Huawei			Wang, Xue	ebo		Huawei		
Comment 1	Туре Е	Comment Status D		(Common) (bucket)	Comment	Туре	т	Comment Status D		(Common) (bucket
"n=16" 1.6TAL		d be changed to "m=16" and	"m=8", as the	corresponding row is of				xtender. The example shou 00GAUI-n is denoted "SB" o		stantiation with a one S
Suggestedl	Remedy				Suggested	Reme	dy			
		6" in Line 24 on Page 718;			Chang	e "one	B PMD" to	"one B 800GAUI-n".		
Change	e "n=8" to "m=8"	in Line 25 on Page 718.			Proposed	Respo	nse	Response Status W		
Proposed F PROPC	Response OSED ACCEPT.	Response Status W						N PRINCIPLE. d remedy with editorial lice	nse.	
C/ 176B	SC 176B.4.2	P <b>706</b>	L1	# 278	C/ 176B	SC	176B.5.1	P <b>710</b>	L10	# 280
Wang, Xue	bo	Huawei			Wang, Xue	ebo		Huawei		
Comment 7	Туре Е	Comment Status D		(Common) (bucket)	Comment	Туре	Е	Comment Status D		(Common) (bucket
Extend	ler. The same iss	ude "200GBASE-R PHYs" a ue happens in Line 1 on Pag					ssing betwe n Page 710	en m=2 and 176. The sam	e happens in Lir	ne 16, 19, 24, 36, 42,
0	'15 of CL176B.6.	2.			Suggested	Reme	dy			
Suggested					Add a	colon I	petween 2 a	and 176 in Line 10, 16, 19, 2	24, 36, 42, 45, a	nd 51 on Page 710.
Delete	"400GBASE-R F	PHYs" in Line 1 on Page 706 PHYs" in Line 1 on Page 711 PHYs" in Line 27 on Page 71	;			, OSED	ACCEPT I	Response Status W N PRINCIPLE.		
Proposed F	Response	Response Status W			Impier	nent th	e suggeste	d remedy with editorial lice	nse.	
For 200 defined these in instanti shown Delete	d in this subclaus nstantiations as r iations are also r (with Inner FEC) "200GBASE-R F	N PRINCIPLE. ere are no defined PHY type e. However, there is one def noted in the sentence "These elevant to the 800GBASE-R in Figure 176B–2." PHYs" in Line 1 on Page 706 PHYs" in Line 1 on Page 711	ined 800G PHY e PHY type defin ;	' type that may use						

C/ 177	SC	177.5.2	P337	L19	# 281
Ren, Hao			Huawei		
Comment	Туре	TR	Comment Status D		(Logic) (bucket)
The sta	£		مسيم مطلا المسم مستنقصهما المتعاديات		Atom to work aloon

The definition of the candidate location and the synchronization location is not clear.

The candidate location is the inner FEC codeword boundary of a valid set of codewords. The candidate location is regarded as the synchronization location when the candidate location is confirmed valid for a second window of 128b-bit blocks.

### SuggestedRemedy

#### Change:

The synchronization process searches for a valid set of codewords in a window of 128-bit blocks, confirms the candidate location is valid for a second window of 128b-bit blocks and then monitors that the synchronization location continues to be valid during operation. to:

[A]: The synchronization process searches for a valid set of codewords in a window of 128bit blocks. The boundary of these codewords is marked as candidate location, which is confirmed as the synchronization location if it is valid for a second window of 128b-bit blocks. The synchronization process continuusly validates the synchronization location during operation.

[B]: The synchronization process searches for a valid set of codewords in a window of 128bit blocks, marking the boundary of these codewords as candidate location, confirms the candidate location as sychronization location by validating for a second window of 128b-bit blocks, and then monitors that the synchronization location continues to be valid during operation.

#### Proposed Response Response Status W

#### PROPOSED ACCEPT IN PRINCIPLE.

Breaking the sentence can improve clarity. Use language as follows:

"The synchronization process searches for a valid set of codewords in a window of 128-bit blocks, marking the boundary of these codewords as a candidate location. A candidate location is confirmed as the synchronization location if it is valid for a second window of 128b-bit blocks. The synchronization process continuously validates the synchronization location during operation."

C/ <b>FM</b>	SC FM	P12	L <b>54</b>	# 284
Maguire, V	/alerie	Copperopolis; a	aff'l w/ CME Co	onsulting and Cisco
Comment	Туре Е	Comment Status D		(Common) (bucket)

Comment Status D Missing information on the P802.3da amendment

## SuggestedRemedy

#### Insert. "IEEE Std 802.3da™-20xx

Amendment 1X—This amendment to IEEE Std 802.3-2022 specifies additions and appropriate modifications to enhance the 10 Mb/s shared-medium (multidrop) mode of the 10BASE-T1S Physical Layer in a new, multidrop-only physical layer specification (including reconciliation sublayers, management parameters, Ethernet support for time synchronization protocols, and optional power delivery to support multiple Powered Devices on the 10 Mb/s mixing segment)."

#### Proposed Response Response Status W

### PROPOSED ACCEPT IN PRINCIPLE.

Resolve using the resonse to comment #332.

C/ 00 SC	0	P <b>0</b>	LO	# 293
Brown, Matt		Alphawave Sem	ni	
Comment Type	т	Comment Status D		(Common) (bucket)

(Common) (bucket)

The PICS subclause in many clauses and annexes is incomplete.

#### SuggestedRemedv

Update PICS subclause in all clauses and annexes as necessary.

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 45	SC 45.2.1.264	P112	L <b>5</b>	# 295
Brown, Matt		Alphawave Semi		
Comment Ty	vpe E	Comment Status D		(Logic) (bucket) possesive

Use of possesive grammar is inconsistent with similar phrases used through this draft and is unecessary here.

#### SuggestedRemedy

Change "Lane 0's" to "Lane 0" Change "Lane 1's" to "Lane 1"

Proposed Response Response Status W

PROPOSED ACCEPT.

				P 359	L23	# 300
vn, Matt				Alphawave S	Semi	
nment T	/ре Т	•	Commen	t Status D		(Electrical) (bucket)
			s". This is lil FEC lanes		er from 802.3ck	for 100GBASE-KR1
gestedF	emedy					
Change	"PCS or	FEC" to	o "PCS".			
osed R	esponse		Response	Status W		
PROPC	SED AC	CEPT.				
78	SC 178	8.8.1		P <b>360</b>	L <b>38</b>	# 301
vn, Matt				Alphawave S	Semi	
nment T				t Status D		ctrical) (bucket) possesive
	ossesive ssary he		nar is incon	sistent with sim	ilar phrases use	ed through this draft and
gestedF	emedy					
0	"transmi "receive		o "transmitte eceiver"	er"		
Implem	ent simila	ar in Fig		Table 179-10, F	igure 176C-2, T	able 176C-4, Table
On page	Table 17 723 line	e 26 cha	inge "comp	onent's" to "cor	nponent".	
			ige "transm o "measure	itter's d transmitter p	arameters"	
osed R	esponse		Response	Status W		
		-	N PRINCIP			
						e test transmitter's ve does not improve the
technica	al clarity o	or accur	acy of the t	ext.	•	
				, the SL and D e improved.	L signals are two	o sides of the same
					change "transm	itter's" to "transmitter-
side" an	d "receiv	/er's" to	"receiver-si	de".	-	
[matt] th	is is iust	poor sty	vle and only	vused rarelv: w	e 99% of the tim	ne use the <noun></noun>
<thing r<="" td=""><td>elated to</td><td>noun&gt;,</td><td>e.g., transn</td><td>nitter out, host</td><td></td><td></td></thing>	elated to	noun>,	e.g., transn	nitter out, host		
e	tring t	itc., etc. I be pu	stc., etc. I be pulling this	tc., etc. I be pulling this one from the	etc., etc. I be pulling this one from the bucket.	<thing noun="" related="" to="">, e.g., transmitter out, host output, module i etc., etc. I be pulling this one from the bucket.</thing>

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/ 178 SC 178.9.2.2 P364 L4 # 309
Brown, Matt Alphawave Semi	Brown, Matt Alphawave Semi
Comment Type TR Comment Status D (Electrical) (buck	et) Comment Type T Comment Status D (Electrical) (buck
Regarding "control the transmitter on each lane of the MDI". It's really controlling the PMD transmitter not the MDI and to be clear it is controlling the PMD transmitter only in response to requests from the link peer interface.	SuggestedRemedy
SuggestedRemedy	Change cross-reference from "Table 178-7" to "Table 178-8".
Change "control the transmitter output on each lane of the MDI" to "control the PMD transmitter output on each lane based on requests from the peer interface". Implement similarly in 179.8.9, 176C.3, and 176D.3.	Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W	Cl 178 SC 178.9.3.2 P366 L23 # 310
PROPOSED ACCEPT.	Brown, Matt Alphawave Semi
C/ 178 SC 178.9.2.1.2 P363 L25 # 307	Comment Type <b>T</b> Comment Status <b>D</b> (Electrical) (buck 178.9.3.3 should be compliant over the range as well.
Brown, Matt Alphawave Semi	SuggestedRemedy
Comment Type T Comment Status D (Electrical) (bucket) El	RL Change "178.9.3.4 and 178.9.3.5" to "178.9.3.3 through 178.9.3.5"
It appears that to measure ERL properly the test fixture would have to be terminated at TP with an appropriate impedance or reflections from the device under test would have to be gated out.	Proposed Response Response Status W PROPOSED ACCEPT.
SuggestedRemedy	
Provide appropriate guidance for measuring the ERL at TP0v.	C/ 178 SC 178.9.3.3 P366 L32 # 311
Proposed Response Response Status W	Brown, Matt Alphawave Semi
PROPOSED REJECT.	Comment Type T Comment Status D (Electrical) (buck
The description is consistent with the initial specification of test fixture ERL in 163.9.2.1.2. Either of the methods suggested in the comment, and possibly others, could be used by test engineers to verify the quality of the test fixture. The standard does not prescribe the	The more formal word "may" should be used instead of "is allowed to". Per style guide: "The word may is used to indicate a course of action permissible within the limits of the standard (may equals is permitted to)."
	SuggestedRemedy
test method.	
The suggested remedy does not provide sufficient detail to implement.	Change "is allowed to" to "may". Implement also on page 727 line 13, page 755 line 16.
The suggested remedy does not provide sufficient detail to implement.         CI 178 SC 178.9.2.2       P 364       L 3       # 308	Change "is allowed to" to "may".
The suggested remedy does not provide sufficient detail to implement.         Cl       178       SC       178.9.2.2       P 364       L 3       # 308         Brown, Matt       Alphawave Semi	Change "is allowed to" to "may". Implement also on page 727 line 13, page 755 line 16. Proposed Response Response Status W PROPOSED ACCEPT
The suggested remedy does not provide sufficient detail to implement.         CI 178 SC 178.9.2.2       P 364       L 3       # 308	Change "is allowed to" to "may". Implement also on page 727 line 13, page 755 line 16. Proposed Response Response Status W PROPOSED ACCEPT.
The suggested remedy does not provide sufficient detail to implement.         Cl       178       SC       178.9.2.2       P 364       L 3       # 308         Brown, Matt       Alphawave Semi         Comment Type       T       Comment Status       D       (Electrical) (buck As is done for other parameters, it would be helpful to follow "difference ERL" with variable	Change "is allowed to" to "may". Implement also on page 727 line 13, page 755 line 16. Proposed Response Response Status W PROPOSED ACCEPT.
The suggested remedy does not provide sufficient detail to implement.         Cl 178       SC 178.9.2.2       P 364       L 3       # 308         Brown, Matt       Alphawave Semi         Comment Type       T       Comment Status       D       (Electrical) (buck as is done for other parameters, it would be helpful to follow "difference ERL" with variable name "dERL".	Change "is allowed to" to "may". Implement also on page 727 line 13, page 755 line 16. Proposed Response Response Status W PROPOSED ACCEPT.
The suggested remedy does not provide sufficient detail to implement.         Cl       178       SC 178.9.2.2       P 364       L 3       # 308         Brown, Matt       Alphawave Semi         Comment Type       T       Comment Status       D       (Electrical) (buck as is done for other parameters, it would be helpful to follow "difference ERL" with variable name "dERL".         SuggestedRemedy       Change "difference ERL" to "difference ERL dERL" where dERL is italic.	Change "is allowed to" to "may". Implement also on page 727 line 13, page 755 line 16. Proposed Response Response Status W PROPOSED ACCEPT.

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

Comment ID 311

(Electrical) (bucket)

(Electrical) (bucket)

(Electrical) (bucket)

C/ 178 S	SC 178.9.3.4.1	P <b>366</b>	L 50	# 312	C/ 178	SC	178.9.3.4.2	2	P <b>367</b>	L <b>21</b>	# 314
Brown, Matt		Alphawave Se	mi		Brown, Ma	att		Ą	Alphawave Se	mi	
Comment Type	e T	Comment Status D		(Electrical) (bucket) ITOL	Comment	Туре	Е	Comment St	atus D		(Electrical) (bucket)
		in this sentence what is "no			This is	s not an	ordered lis	t so should be	formatted as	dashed list.	
		her perturbations. Is noise r a changing of the launched			Suggested	dRemea	ły				
		rity, which I don't think are i			Reform	nat as c	dashed list.				
SuggestedRen	medy				Proposed	Respor	nse	Response Sta	atus W		
		ise source emulates crossta			PROP	OSED	ACCEPT.				
transmitter	r or channel."	-equalizable signal distortion	,	,	C/ 178	SC	178.9.3.4.2	2	P <b>367</b>	L 35	# 315
		ource emulates crosstalk, al erturbations that may be intr			Brown, Ma	att		A	Alphawave Se	mi	
Proposed Res	0 1	Response Status W			Comment	Туре	Е	Comment St	atus D		(Electrical) (bucket)
PROPOSE Change fro	ED ACCEPT IN om	I PRINCIPLE.			to use	the sar		es (e.g., a), b),			urther, it is not permitted ithin the same
"The chanı	nel noise sourc	ce emulates crosstalk, noise		ner non-equalizable signal	subcla						
"The chanı	nel noise sourc	ce emulates crosstalk, noise troduced by a transmitter or		ner non-equalizable signal	Suggested	dRemea					
"The chanı distortions to "The chanı	nel noise sources that may be in anel noise sources	troduced by a transmitter or ce represents non-equalizab	r channel."		Suggested Reform	dRemea mat as c	dashed list.				
"The chanı distortions to "The chanı	nel noise sourc that may be in	troduced by a transmitter or ce represents non-equalizab	r channel."		Suggested Reform Proposed	dRemed mat as d Respon	dashed list. nse	Response Sta	atus <b>W</b>		
"The chan distortions to "The chan by a transr	nel noise sources that may be in anel noise sources	troduced by a transmitter of ce represents non-equalizab el."	r channel."		Suggested Reform Proposed	dRemed mat as d Respon	dashed list.		atus <b>W</b>		
"The chanı distortions to "The chanı by a transr C/ <b>178</b> S	nel noise sourd that may be in nel noise sourd mitter or chann	troduced by a transmitter of ce represents non-equalizab el."	r channel." ble impairmer <i>L</i> 17	ts that may be introduced	Suggested Reform Proposed	Remed mat as c Respon OSED	dashed list. nse	Response Sta	P <b>368</b>	L 21	# 316
"The chan distortions to "The chan by a transr	anel noise sourd s that may be in anel noise sourd mitter or chann SC <b>178.9.3.4.2</b>	troduced by a transmitter of ce represents non-equalizab el." P <b>367</b>	r channel." ble impairmer <i>L</i> 17	ts that may be introduced	Suggested Reforr Proposed PROP	dRemed mat as o Respon POSED SC	dashed list. nse ACCEPT.	Response Sta			# 316
"The chan distortions to "The chan by a transr C/ 178 S Brown, Matt Comment Type It is not cle	anel noise sourd s that may be in anel noise sourd mitter or chann SC <b>178.9.3.4.2</b> be <b>ER</b> ear which text b	troduced by a transmitter of ce represents non-equalizab el." <i>P</i> <b>367</b> Alphawave Ser	r channel." ble impairmer <i>L</i> <b>17</b> mi	tts that may be introduced # <u>313</u> (Electrical) (bucket)	Suggested Reform Proposed PROP Cl 178 Brown, Ma Comment	Remed mat as o Respon POSED SC att Type	dashed list. nse ACCEPT. 178.9.3.4.3	Response Sta 3 Comment Sta	P 368 Alphawave Se Patus D	mi	# <u>316</u> (Electrical) (bucket)
"The chan distortions to "The chan by a transr Cl <b>178</b> S Brown, Matt Comment Type It is not cle use a dash	anel noise sources that may be in anel noise source mitter or channe SC <b>178.9.3.4.2</b> be <b>ER</b> ear which text be hed list to anno	troduced by a transmitter of ce represents non-equalizab el." P 367 Alphawave Ser Comment Status D below this table are exceptio	r channel." ble impairmer <i>L</i> <b>17</b> mi	tts that may be introduced # <u>313</u> (Electrical) (bucket)	Suggested Reform Proposed PROP Cl 178 Brown, Ma Comment Per sty	dRemed mat as c Respon POSED SC att Type yle guid	dashed list. nse ACCEPT. 178.9.3.4.3 T le this shou	Response Sta	P 368 Alphawave Se Patus D	mi	
"The chan distortions to "The chan by a transr <i>Cl</i> <b>178</b> <i>S</i> Brown, Matt <i>Comment Type</i> It is not cle use a dash <i>SuggestedRen</i>	anel noise sourd s that may be in anel noise sourd mitter or chann SC <b>178.9.3.4.2</b> be <b>ER</b> ear which text b hed list to anno medy	troduced by a transmitter of ce represents non-equalizab el." P 367 Alphawave Ser Comment Status D below this table are exceptio	r channel." ble impairmer <i>L</i> <b>17</b> mi	tts that may be introduced # <u>313</u> (Electrical) (bucket)	Suggested Reform Proposed PROP Cl 178 Brown, Ma Comment Per sty Suggested	dRemed mat as c Respon POSED SC att Type yle guid dRemed	dashed list. nse ACCEPT. 178.9.3.4.3 T le this shou	Response Sta 3 Comment Sta Ild be lettered li	P 368 Alphawave Se Patus D	mi	
"The chan distortions to "The chan by a transr Cl 178 S Brown, Matt Comment Type It is not cle use a dash SuggestedRen Identify the	anel noise sourd s that may be in mitter or chann SC <b>178.9.3.4.2</b> we <b>ER</b> ear which text b hed list to anno medy e relevant exce	troduced by a transmitter of ce represents non-equalizable." P367 Alphawave Ser Comment Status D below this table are exception tate the exceptions.	r channel." ble impairmer <i>L</i> <b>17</b> mi	tts that may be introduced # <u>313</u> (Electrical) (bucket)	Suggested Reform Proposed PROP Cl 178 Brown, Ma Comment Per sty Suggested Reform	dRemed mat as o Respon POSED SC att Type yle guid dRemed mat as l	ACCEPT. 178.9.3.4.3 T le this shou dy ettered list.	Response Sta	P 368 Alphawave Se <i>fatus</i> D ist, not numbe	mi	
"The chan distortions to "The chan by a transr Cl <b>178</b> S Brown, Matt Comment Type It is not cle use a dash SuggestedRen Identify the Proposed Res	anel noise sourd s that may be in mitter or chann SC <b>178.9.3.4.2</b> we <b>ER</b> ear which text b hed list to anno medy e relevant exce	troduced by a transmitter of ce represents non-equalizab el." P367 Alphawave Ser Comment Status D below this table are exception tate the exceptions. ptions within a dashed list. Response Status W	r channel." ble impairmer <i>L</i> <b>17</b> mi	tts that may be introduced # <u>313</u> (Electrical) (bucket)	Suggested Reform Proposed PROP Cl 178 Brown, Ma Comment Per sty Suggested Reform Proposed	dRemed mat as c Respon OSED SC att Type yle guid dRemed mat as l Respon	ACCEPT. 178.9.3.4.3 T le this shou dy ettered list.	Response Sta 3 Comment Sta Ild be lettered li	P 368 Alphawave Se <i>fatus</i> D ist, not numbe	mi	
C/ 178	SC 178.9.3.4	3 P 368	L <b>44</b>	# 317	C/ 180	SC 180.9.5	P 448	L <b>25</b>	# 320		
-----------	-----------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------	---------------------------------------------	--------------------------------------------------	------------------------------------------------------------------------------------------------------------------------	----------------------------------------------	--------------------------------------------------------------------------------------	--------------------	------------------------------	--	--
Brown, Ma	tt	Alphawave	e Semi		Brown, Ma	att	Alphawave S	Semi			
Comment	Туре Е	Comment Status D		(Electrical) (bucket)	Comment	Type E	Comment Status D		(Common) taps (bucket		
	bise is RMS so no ive so should be	ot defined by amplitude. <i>I</i> hyphenated.	Also, "higher noise	" here is compound	norma	alized, thus saying	is out of sync with the table they are relative to $c(0)$ is r	redundant. How	vever, it is not stated what		
Suggested	Remedy						table already associates "n	nain tap" with c	:(0) on row 4.		
		de" to "higher voltage" of	0		Suggestee	•			(0) "		
	0	desired, then add a hyp	nen "nigner-amplit	ude".			he normalized tap coefficie 181-13, Table 182-15, and				
	Response	Response Status W			•	Response	Response Status W				
-	OSED ACCEPT ge the text from "h	nigher amplitude values"	to "higher noise va	lues."	•	POSED ACCEPT.					
C/ 178	SC 178.9.3.5	P 369	L <b>7</b>	# 318	C/ 180	SC 180.9.5	P <b>448</b>	L <b>27</b>	# 321		
Brown, Ma	tt	Alphawav	e Semi		Brown, Ma	att	Alphawave S	Semi			
Comment	Type <b>TR</b>	Comment Status D		(Electrical) (bucket)	Comment	Туре Т	Comment Status D		(Common) taps (bucket		
freque	ncy and amplitud S and J4u_03 are ble 179-12 is app	parse: "and both JRMS and le set according to Case a measured after the sinu lied. Also, I think this can	F from Table 179– soidal jitter with fre	12." I think it means that equency and amplitude	and n	ormalized values formalized or non-no	footnote b The table spe or the other coeffecients. It ormalized coeffecients.				
Suggested					Change footnote b to: "Equalizer gain is the sum of the non-normalized coefficients." or						
Chano	-				similar. Implement also in Table 181-13, Table 182-15, and Table 183-14.						
	•	ter calibration described	in 93C.2 item 7):		Proposed Response Response Status W						
	4u is substituted l RMS and J4u03 a	by J4003 are measured with applie	d sinusoidal iitter v	vith frequency and	PROPOSED ACCEPT IN PRINCIPLE. Change footnote b to: "Equalizer gain is the sum of the non-normalized coefficients."						
		g to Case F from Table 1									
Proposed	Response	Response Status W				ment also in Table ment with editorial	181-13, Table 182-15, and license	1 Table 183-14.			
	OSED ACCEPT										
Impier	nent the suggest	ed remedy with editorial I	icense.		C/ 180	SC 180.9.6	P 449	L14	# 322		
					Brown, Ma		Alphawave S	Semi			
					Comment		Comment Status D		(Optical) (bucket		
						f possesive gramn cessary here.	nar is inconsistent with sim	ilar phrases use	ed through this draft and		
					Suggestee	dRemedy					
						ge "transmitter's" to bage 472 line 38, p	o "transmitter" age 499 line 16, page 523	line 46.			
					Proposed	Response	Response Status W				
					PROPOSED ACCEPT IN PRINCIPLE. Implement suggested remedy throughout the draft with editorial license.						
							_		_		
PE: TR	technical require	d ER/editorial required	GR/general require	ed T/technical E/editorial G/	general		Comm	nent ID <b>322</b>	Page 37 of 81		

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 322

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C/ 178B SC 178B.11.4 P802 L 25 # 325	Cl 183 SC 183.7.1 P512 L29 # 329							
Brown, Matt Alphawave Semi	Landry, Gary Texas Instruments							
Comment Type T Comment Status D Common) (bucket) possesiv	ve Comment Type E Comment Status D (Optical) (buc							
Use of possesive grammar is inconsistent with similar phrases used through this draft and is unecessary here.	min OMA limits for higher TECQ/TDECQ values are referenced to an equation outside th table (Eq 183-1).							
SuggestedRemedy	SuggestedRemedy							
Change "transmitter's" to "transmitter", three instances. Also, page 808 line 17, 4 instances Also on page 804 line 44, change "interface's" to "other interface"	To increase readability and maintain parallel structure to to other clauses (e.g., 180, 181, and 182), bring external equation into the table							
Proposed Response Response Status W	Proposed Response Response Status W							
PROPOSED ACCEPT.	PROPOSED REJECT.							
C/ 169 SC 169.5 P201 L36 # 327	<ul> <li>The editorial team agrees that including the equation within the table would ideally improvide readability and maintain consistency with clauses 180, 181, and 182.</li> </ul>							
	However, the table in clause 183 has only half the space available compared to those							
Brown, Matt Alphawave Semi	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.							
Comment Type E Comment Status D (Common) (bucke In Table 169-6, footnotes a and b are identical.								
	C/ 183 SC 183.7.1 P512 L 31 # 330							
Suggested Remedy	Landry, Gary Texas Instruments							
Merge footnote a and b into a single footnote.	Comment Type E Comment Status D (Optical) (buc							
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	min OMA limits for higher TECQ/TDECQ values are referenced to an equation outside th table (Eq 183-2).							
Footnote a and b are indeed the same. However, footnote a is incorrect. Change footnote a to the following:	SuggestedRemedy							
"The symbol ~~ indicates approximate equivalent of maximum Skew Variation in bits based on 1 bit time equals 37.64706 ps at PCS lane bit rate of 26.5625 Gb/s."	To increase readability and maintain parallel structure to to other clauses (e.g., 180, 181, and 182), bring external equation into the table							
	Proposed Response Response Status W							
C/ 179B SC 179B.2.1 P823 L39 # 328	PROPOSED REJECT.							
Brown, Matt Alphawave Semi	The editorial team agrees that including the equation within the table would ideally improved readability and maintain consistency with clauses 180, 181, and 182.							
Comment Type E Comment Status D (Electrical) (bucke	However, the table in clause 183 has only half the space available compared to those							
Variable subscripts should be normal font rather than italic font unless the subscript represents another variable, e.g. an index, f_i where i is and index variable.	clauses, and the equation does not fit within the current layout. Thus the equations are							
SuggestedRemedy	provided outside of the table and referenced from within the table.							
Change variable subscripts to normal font where appropriate through Annex 179B.								
Proposed Response Response Status W								
PROPOSED ACCEPT.								

C/ FM	SC FM	P1	L 33	# 332	C/ 185A	SC 1	185A.1	P 859	L16	# 335		
Zimmerm	an, George	ADI,APLgp,C	isco,Marvell,On	Semi,Sony	Zimmerma	n, Geor	ge	ADI,APLgp,Ci	sco,Marvell,On	Semi,Sony		
Comment	tType E	Comment Status D		(Common) (bucket)	Comment	Туре	т	Comment Status D		(Optical) ETCC (bucket)		
are a	head of it in the	will need to consider amendme e process. Commenter's review s with this amendment.						s a single methodology (ETC the method of calculation.	C), and it really	doesn't define the		
		s with this amendment.			SuggestedRemedy							
00	dRemedy			litere and an an an and the	Replace text of 185A.1 text with: "This annex defines the method for measuring and							
		02.3dk to the list of amendments consistency with 802.3dk especi		altors are encouraged to	computing the Extended transmitter constellation closure (ETCC). The ETCC is a							
	Response	Response Status W			Proposed	,		Response Status W				
PROF Base follow	POSED ACCE d on input from	PT IN PRINCIPLE. n the 802.3 working group chair,	the order of an	endments will be as	While	the ann ent mea	surement	tly only defines ETCC, the ini methodologies that future sp of the annex to ETCC only.				
	ndment #11: IE				C/ 187	SC 1	187.8.6	P <b>643</b>	L <b>44</b>	# 336		
	ndment #12: IE ndment #13: IE				Zimmerma	n, Geor	ge	ADI,APLgp,Ci	sco,Marvell,On	Semi,Sony		
		ent numbers and order above			Comment	Type	E	Comment Status D		(Optical) (bucket)		
Add 8 Add 8 amen Add ti entry	302.3da and 80 302.3da and 80 Idment abstrac	D2.3dk to the amendment list on D2.3dk to the amendment abstra D2.3dk to the amendment list on ct list on page 13. It number (12) to the title on pag orial license.	act list on page the cover page	(page 1) and the	calcula using front e calcula	ation are he test nd in Ta ation - it directly	e defined setup and ables 187 just point	method and ETCC in 187.9." - but when I look at d calculation defined in Annex -12 and 187-13) - none of this as the reader on to another se an a wild goose chase with an	x 185A. (and pa s is defines the ection - better p	rameter values for the method and pint to 185A and the		
C/ FM	SC FM	P13	<i>L</i> 1	# 333	Suggested	Remed	У					
Zimmerm	an, George	ADI,APLgp,C	isco,Marvell,On		Chang ETCC	e "The	method a	nd ETCC calculation are defi	ned in 187.9." t	o "The method and		
Comment	t Type E	Comment Status D		(Common) (bucket)		ation are	e defined	in 185A, using the parameter	s in the Tables	187-12 and 187-13."		
	/ that 802.3da cluded.	and 802.3dk will publish before	this amendmen	t their abstracts should	Proposed PROP	•	se ACCEPT.	Response Status W				
Suggeste	dRemedy				1101							

Consult with 802.3 leadership on likely amendment order, insert abstracts for 802.3da and 802.3dk from the latest drafts of those.

Response Status W

Proposed Response

PROPOSED ACCEPT IN PRINCIPLE. Resolve using the resonse to comment #332.

C/ 185A SC 185A	.2.5.2	P865	L <b>39</b>	# 337	C/ 178	SC ·	178.9.3.7	P 369	L13	# 348
Zimmerman, George		ADI,APLgp,Ci	sco,Marvell,OnS	semi,Sony	Ghiasi, Ali			Ghiasi Qunatu	um/Marvell	
Comment Type T	Comn	ment Status D		(Optical) (bucket)	Comment	Туре	TR	Comment Status D	Elec	ctrical) (bucket) RL masks
		o (in general) is not o noise ratio in the pr		on 185A-2. Equation I ASE. (RSNR_ase)	Suggested	Remed		Lcd was 50 GHz, going up	to 50 GHz is no	adequte
SuggestedRemedy					00					
change "required s presence of virtual		e ratio (RSNR)" to "re _ase)" at line 39	equired signal to	noise ratio in the	Proposed PROP		Se REJECT.	Response Status W		
Proposed Response PROPOSED ACC	•	onse Status W			Resolv	/e using	the respo	nse to comment #363.		
		Dees	1.10	# 222	C/ 176D	SC ·	176D.7.2	P <b>748</b>	L <b>51</b>	# 350
C/ 185A SC 185A	.2.5.2	P865	L 46	# 338	Ghiasi, Ali			Ghiasi Qunatu	um/Marvell	
Zimmerman, George			sco,Marvell,OnS	-	Comment	Туре	TR	Comment Status D		(Electrical) (bucket)
Comment Type E DeltaRSNR_trx do		ment Status <b>D</b> "RSNR" in equatior	185A-3, it relate	<i>(Optical) (bucket)</i> es to RSNR_ASE.			annel is or arameters	nly needed for cable assemb	oly CR and not	for C2M which has the
SuggestedRemedy					Suggestea	Remed	y .			
Change RSNR to I	RSNR_ase at	line 46			Partial	channe	el not need	for C2M COM and should b	be removed	
Proposed Response	Respo	onse Status W			Proposed	Respon	se	Response Status W		
PROPOSED ACC	EPT.						REJECT.	/ considered similar comme	nts. the recent	one beina comment
C/ 175 SC 175.6	6	P <b>280</b>	L17	# 340	#151 a	against l	D1.4 (see	g/3/dj/comments/D1p4/8023		-
de Koos, Andras		Microchip Tec	hnology				hich was re		Suj_D1p4_com	ments_mai_clause.pui#
Comment Type E	Comn	ment Status D		(Logic) (bucket)	As not	ed in th	e response	e to that comment, the host		
PCS_timesync_mo Does this mean the PCS_timesync_mo	ultilane_ability at path data d ultilane_ability	elays are reported a: / variable is asserted lelays are reported a / variable is asserted d B" when it should s	l. s if the l?	ue, report as if A".	include e.g., F The pa for the	es the p igure 17 artial ho C2M cl	artial chan 76D-7b). st channel hannel. Th	in host interference toleranc inel (subject of this commen constitutes most of the 32 of erefore, it should not be ren provide any information that	nt) and physical dB IL which is th noved.	MCB and HCB, (see, he consenus IL budget
SuggestedRemedy			-		comm		l does not	provide any information that	t was not includ	ied in previous
Rephrase as the s When the PCS_tin path data delays a	nesync_multil re reported as	ane_ability variable s if the DDMP (data d RS-FEC codeword	delay measurem	ransmit and receive ent point) is at the						
Proposed Response	Respo	onse Status W								

PROPOSED ACCEPT.

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

C/ 176D SC 176D.8.1 P751 L50 # 358	C/ 179 SC 179.9.4.9 P404 L 35 # 364
Ghiasi, Ali Ghiasi Qunatum/Marvell	Ghiasi, Ali Ghiasi Qunatum/Marvell
Comment Type         TR         Comment Status         D         (Electrical) (bucket)           Differential and common-mode signals are not defined in 93.8.1.3, just the figure is used for level definition.         (Electrical)         (bucket)	Comment Type         TR         Comment Status         D         Electrical) (bucket) RL mask           802.3ck common mode to differential return loss frequency was up to 50 GHz
SuggestedRemedy Replace with, Differential and common-mode signal levels definition is given by 93.8.1.3.	SuggestedRemedy We should at least extend the RLdc to 67 GHz. Proposed Response Response Status <b>W</b>
Proposed Response         Response Status         W           PROPOSED REJECT.         Contrary to the statement in the comment, the differential and common-mode signals are	PROPOSED REJECT. Resolve using the response to comment #363.
explicitly defined in the first paragraph of 93.8.1.3: "The differential output voltage v_di is defined to be SLi minus SLi <n>. The common- mode output voltage v_cmi is defined to be one half of the sum of SLi and SLi<n>".</n></n>	C/         176C         SC         176C.6.4.4         P727         L 33         # 366           Ghiasi, Ali         Ghiasi Qunatum/Marvell
C/ 179 SC 179.9.4.8 P403 L 35 # 363	Comment Type         TR         Comment Status         D         Electrical) (bucket) RL mask           802.3ck common mode to differential return loss frequency was up to 50 GHz
Ghiasi, Ali     Ghiasi Qunatum/Marvell       Comment Type     TR     Comment Status     D     Electrical) (bucket) RL masks       802.3ck common mode return loss frequency was up to 50 GHz       SuggestedRemedy       We should at least extend the RLcc to 67 GHz.	SuggestedRemedy We should at least extend the RLdc to 67 GHz. Proposed Response Response Status W PROPOSED REJECT. Resolve using the response to comment #363.
Proposed Response       Response Status       W         PROPOSED REJECT.       RLcc mask was adopted, together with other frequency masks, by the response to comment #374 against D1.1 (see <a href="https://www.ieee802.org/3/dj/comments/D1p1/8023dj_D1p1_comments_final_clause.pdf#">https://www.ieee802.org/3/dj/comments/D1p1/8023dj_D1p1_comments_final_clause.pdf#</a> page=66>).         The supporting presentation, <a href="https://www.ieee802.org/3/dj/public/24_09/ran_3dj_01_2409.pdf">https://www.ieee802.org/3/dj/public/24_09/ran_3dj_01_2409.pdf</a> >, includes masks that were compared with contributed s-parameters data for test fixtures. Note that the proposal used a limit of 60 GHz, based on comment 242 against D1.0, as noted on slide 3. However, that comment addressed the BT filter bandwidth for transmitter measurements, . These measurements are performed on a scope, which requires a higher measurement bandwidth to implement the BT filter.         Frequency-domain measurements do not require a BT filter, so measurement to 67 GHz (as suggested) may be possible. However, this would require non-trivial changes to test fixture frequency masks (e.g., Figure 179B–4), which are not addressed in the suggested remedy.	Cl 178 SC 178.9.2.3 P364 L28 # <u>367</u> Ghiasi, Ali Ghiasi Qunatum/Marvell Comment Type TR Comment Status D Electrical) (bucket) RL mask 802.3ck common mode return loss frequency was up to 50 GHz SuggestedRemedy We should at least extend the RLcc to 67 GHz. Proposed Response Response Status W PROPOSED REJECT. Resolve using the response to comment #363.
If extending the bandwidth to 67 GHz is considered necessary, a complete proposal including justification, proposed frequency masks (including test fixtures), and comparison to contributed data would be encouraged.	

C/ 179	SC 179.9.5.6	P <b>410</b>	L <b>47</b>	# 369	C/ 179 S	C 179.10.1	P <b>415</b>	L <b>45</b>	# 380
Ghiasi, Ali		Ghiasi Qunatu	m/Marvell		Ghiasi, Ali		Ghiasi Qunat	tum/Marvell	
Comment Typ 802.3ck c		<i>Comment Status</i> <b>D</b> to differential return loss free		rical) (bucket) RL masks o 50 GHz	Comment Type All symbol		Comment Status <b>D</b> I(1) or Ls(1) the "(1)" seems	, (	ucket) COM parameters t
SuggestedRe	emedy	nd the RLdc to 67 GHz.	,,		SuggestedRen Please ma	nedy	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-
	SED REJECT.	Response Status W			Proposed Res PROPOSE	oonse D REJECT.	Response Status W		
C/ 178	SC 178.10.1	P371	L12	# 378	Resolve us	ing the resp	onse to comment #378.		
Ghiasi, Ali	00 110.10.1	Ghiasi Qunatu		# 570	C/ 174A S	C 174A.8	P <b>679</b>	L <b>24</b>	# 402
Comment Typ	pe ER	Comment Status D		ucket) COM parameters	Mi, Guangcan		Huawei Tech	nologies Co., Ltd	
		(1) or Ls(1) the "(1)" seems I	, ,	· ·	Comment Type	e ER	Comment Status D		(Common) (bucket)
Proposed Res PROPOS	, SED REJECT.	Response Status W			SuggestedRen	,	' to "ISL" in the mentioned s	entence.	
all clause definitions	es in which CO s in 178A.	neses are intended to be sup M is used (178, 179, 176C, 1 does not add clarity to the dr	76D) and match		Proposed Res PROPOSE	oonse D ACCEPT.	Response Status W		
all clause definitions The sugg	es in which CO s in 178A. Jested remedy	M is used (178, 179, 176C, 1	76D) and match	es the parameter	PROPOSE		,	L 38	# 403
all clause definitions The sugg	es in which CO s in 178A.	M is used (178, 179, 176C, 1 does not add clarity to the dr P <b>372</b>	76D) and match raft. L 33		PROPOSE	D ACCEPT.	Р <b>679</b>	L 38 inologies Co., Ltd	
all clause definitions The sugg C/ <b>178</b> Ghiasi, Ali Comment Typ	es in which CO s in 178A. Jested remedy SC <b>178.10.1</b>	M is used (178, 179, 176C, 1 does not add clarity to the dr P <b>372</b> Ghiasi Qunatu <i>Comment Status</i> <b>D</b>	76D) and match raft. <i>L</i> <b>33</b> ım/Marvell	es the parameter	PROPOSE C/ <b>174A</b> S Mi, Guangcan Comment Type	C 174A.8.1 C ER	Р <b>679</b>	nologies Co., Ltd subc	lause hierarchy (bucket)
all clause definitions The sugg Cl <b>178</b> Shiasi, Ali Comment Typ Symbols	es in which CO s in 178A. jested remedy SC <b>178.10.1</b> pe <b>ER</b> fp1 and fp2 se	M is used (178, 179, 176C, 1 does not add clarity to the dr P <b>372</b> Ghiasi Qunatu <i>Comment Status</i> <b>D</b>	76D) and match raft. <i>L</i> <b>33</b> ım/Marvell	the parameter # <u>379</u>	PROPOSE C/ 174A S Mi, Guangcan Comment Type There is or	C 174A.8.1 C 174A.8.1 E ER Ily one sub-c	P <b>679</b> Huawei Tech Comment Status D	nologies Co., Ltd subc	lause hierarchy (bucket)
all clause definitions The sugg C/ <b>178</b> Ghiasi, Ali Comment Typ Symbols SuggestedRe	es in which CO s in 178A. jested remedy SC <b>178.10.1</b> De <b>ER</b> fp1 and fp2 se emedy	M is used (178, 179, 176C, 1 does not add clarity to the dr P <b>372</b> Ghiasi Qunatu <i>Comment Status</i> <b>D</b>	76D) and match raft. <i>L</i> <b>33</b> ım/Marvell	the parameter # <u>379</u>	PROPOSE CI 174A S Mi, Guangcan Comment Type There is on the hierach SuggestedRen	ED ACCEPT. C 174A.8.1 E ER Ny one sub-c ny. nedy	P <b>679</b> Huawei Tech Comment Status D	nologies Co., Ltd <i>subc</i> is 174A.8.1, no no	lause hierarchy (bucket)
all clause definitions The sugg C/ <b>178</b> Ghiasi, Ali Comment Typ Symbols SuggestedRe	es in which CO s in 178A. Jested remedy SC <b>178.10.1</b> De <b>ER</b> fp1 and fp2 se emedy d to adjsut or ir	M is used (178, 179, 176C, 1 does not add clarity to the dr P <b>372</b> Ghiasi Qunatu <i>Comment Status</i> <b>D</b> em connected	76D) and match raft. <i>L</i> <b>33</b> ım/Marvell	the parameter # <u>379</u>	PROPOSE CI 174A S Mi, Guangcan Comment Type There is on the hierach SuggestedRen	ED ACCEPT. C 174A.8.1 E ER aly one sub-c y. aedy a hierachy of	P <b>679</b> Huawei Tech <i>Comment Status</i> D clause under 174A.8, which	nologies Co., Ltd <i>subc</i> is 174A.8.1, no no	lause hierarchy (bucket,

~	00.1-11.10		1.10	"		<u> </u>	D 100		
C/ 174A	SC 174A.10.1		L 40	# 407	C/ 181	SC 181.7.1	P462	L19	# 429
Mi, Guang			nnologies Co., Ltd		Ran, Adee		Cisco System		
Comment typo of	<i>Type</i> <b>ER</b> f the word then ir	Comment Status D the sentence		(Common) (bucket)	Comment [®] Table [®]		Comment Status D row of OMA_outer (min): "for		Common) TDECQ (bucke dB"
Suggested chang	<i>dRemedy</i> e "the" to "then"					n't it be "for max 182-7, and Table	(TECQ, TDECQ)<0.9 dB", a: ₂ 183-6?	s in the similar	rows in Table 180-7,
Proposed	Response	Response Status W			Suggested	Remedy			
	OSED REJECT.				Chang	e to "for max(TE	CQ, TDECQ)<0.9 dB".		
histog	The comment appears to point to this sentence: "Initialize He(k), the composite error histogram, to Ha(k)." The word "the" in this sentence is correct.					Response OSED ACCEPT	Response Status W		
C/ 174A	SC 174A.10.1	1.3 P685	L <b>45</b>	# 408					
Mi, Guang	can	Huawei Tech	nnologies Co., Ltd						
Comment missin	<i>Type</i> <b>ER</b> ng a word "to"	Comment Status D		(Common) (bucket)					
Suggested chang	dRemedy e to " expected to	be less"							
•	Response POSED ACCEPT.	Response Status W							
C/ 174	SC 174.2.1	P <b>248</b>	L 48	# 423					
Ran, Adee	)	Cisco Syster	ms						
Comment	51	Comment Status D		(Common) (bucket)					
this pr		93 with reference to Clause t "The MII is not intended to							
	nas been used in nould not be carri	other clauses in a way that ed on.	contradicts the de	finition. This is wrong,					
		.6T Ethernet uses a specific use 1.6TMII everywhere ins		n the RS and the PCS,					
Suggested	dRemedy								
	ge "MII" to "1.6TM e, with editorial lic	III", and change the expand ense.	led acronym acco	dingly, across this					
Proposed PROP	Response POSED ACCEPT.	Response Status W							

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

C/ 1	SC 1.3	P53	L <b>49</b>	# 434
Ran, Adee		Cisco Systems		
Comment Ty	vpe T	Comment Status D	n	on) (bucket) MDI references

Several items in the normative references list include a specific Draft number. Some of these drafts are no longer available, and in some cases the version number does not match the date indicated (which suggests that a newer draft was intended).

For SFF documents, only the most recent draft (typically with version number x.y.z) is available; older drafts are removed.

Per the IEEE SA style manual (12.3.1 item c): "Draft standards: Unpublished drafts may be used as normative references as long as they are: (-) Dated (-) Readily available (-) Retrievable; A copy of ALL drafts shall be submitted to IEEE SA to be placed on file as an archive."

Thus, if we keep a dated draft, it should be archived in IEEE SA.

This comment pertains to the following references:

"SFF-8665, Rev 1.9.4, April 1, 2022" (QSFP+) - 1.9.4 is a draft that is no longer available. The current draft is 1.9.8. The published version, 1.9, is from 2015, apparently too old.

"SFF-TA-1011 Rev 1.1, April 19, 2024" (SFF cross reference) - revision number does not match the date; Rev 1.1 is from 2019-10-01 and is apparently too old to be referenced by this project. The current draft is 1.1.6.

"SFF-TA-1027, Rev 1.0, April 16, 2024" - (QSFP2 connector, cage, & module) - revision number does not match the date; Rev 1.0 is from 2023-05-30 and does not include QSFP224 as required for this project. The current draft is 1.0.6.

"QSFP-DD/QSFP-DD800/QSFP-DD1600 Hardware Specification for QSFP Double Density 8x Pluggable Transceivers, Rev 7.1, June 25, 2024.7" - this is indeed the current version, but it is a not a draft; there is no reason to refer to a specific version rather than the latest one.

"SFF-TA-1031, Rev 1.0, June 11, 2023, SFP2 Cage, Connector, & Module Specification" - this is indeed the current version (which does not include SFF224, subject of another comment) but it is not a draft; there is no reason to refer to a specific version rather than the latest one.

Since these are normative references that apply to multiple projects, including future ones, they should refer to documents that are available to readers in the future. Thus, we should use undated references where possible. Per the style manual (12.3.2), standards may be deted or undated; but drafts "shall be numbered and dated".

An editor's note may be used to indicate the current draft and as a reminder that "drafts shall be submitted to IEEE SA".

# 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

#### SuggestedRemedy

For each of the indicated references that is a draft, add an editor's note (to be removed before publication) indicating the revision number and date as of D2.1, and a reminder to update to the latest draft revision and date and provide a copy for the archive prior to publication.

Make similar changes as appropriate in the text that refers to these form factors in Annex 179C.

Proposed Response Response Status W

#### PROPOSED ACCEPT IN PRINCIPLE.

Implement the suggested remedy with editorial license using the versions provided in the comment.

C/ 1	SC 1.3	P <b>53</b>	L <b>54</b>	# 436
Ran, Adee		Cisco Systems		
Comment Ty	pe TR	Comment Status D	ion)	(bucket) MDI References

QSFP-DD MSA specification is not the reference for SFP-DD224 (which does not exist yet) and QSFP224 (which is an SFF specification).

SuggestedRemedy

Delete "SFP-DD224, QSFP224, and"

Proposed Response Response Status W PROPOSED ACCEPT.

SC 73.4.1	P129	L <b>31</b>	# 439	C/ 176	SC	176.7.1.2	P316	L <b>24</b>	# 449		
	Cisco Systems	5		He, Xiang			Huawei				
/pe T	Comment Status D		(Logic) (bucket)	Comment 7	Туре	TR	Comment Status D		(Logic) (bucket)		
not suitable - it	is a requirement, not a statem		l" here.	If ILT is disabled by management, how would precoding request signals get carried ov the transmitter side? I understand this is the language we used to define the precodir config before ILT was introduced. Combining this wilt 178B, when bring up a link while disabling the ILT, a Rx without precoding may not be able to start the link with a Tx wi precoding turned on?							
emedy				Suggested	Remed	dy					
	-	not possess".									
	,						1 5				
		la tachaologia	n may be adverticed in	•	•						
the link codeword. A device shall support the data service ability for a technology it advertises. It is the responsibility of the Arbitration function to determine the common mode of operation shared by a link partner and to resolve multiple common modes."						ROPOSED REJECT. Resolve using the response to comment #186 [Editor's note: CC: 176, 177]					
				01 116	80	116 5	D167	1 22	# 456		
			of the existing but will			110.5		L <b>3</b> 2	# 450		
,											
s indicated in t	he suggested remedy.		Ū.	Footno approp	ote D is oriately	new but no underlined.	ot underlined. The new refe	rences in the N	(Common) (bucket) lotes sections are		
				00			d ita rafarangan in Tabla 11	6 9			
	al license and update other Cla	ause PICS Subc	clause references in					0-0			
,	D. (	/ =0	"				Response Status W				
SC 73.6.2.5			# 440	FROF	USLD	ACCEPT.					
		5									
,			(Logic) (bucket)								
emedy											
to "FEC capat 7"	bility and request bits (F4, F2,	F3, F0, F1) are	encoded in bits								
esponse	Response Status W										
SED ACCEPT											
	vpe       T         not transmit and transmit shall exponse         SED ACCEPT         O deletes the for codeword. A dress It is the rest tion shared by and third sented the second series indicated in the series indicated in the second series indicated in the second series indicated in the second series indicated in the series indicated in the series indicated in the series is indicated in the s	Cisco Systems (pe T Comment Status D not transmit an ability it does not possess" not suitable - it is a requirement, not a statem se" is typically used for abilities, and is prefer temedy to "but it shall not advertise an ability it does esponse Response Status W SED ACCEPT IN PRINCIPLE. 0 deletes the following text in 73.6.2.4: "Multip codeword. A device shall support the data se ess. It is the responsibility of the Arbitration fur tion shared by a link partner and to resolve m and third sentences of the deleted text were the second sentence was not moved into 73 smit an ability it does not possess" legacy text the deleted sentence contains the word "shist indicated in the suggested remedy. ent suggested remedy and update PICS item ent with editorial license and update other Cla try. SC 73.6.2.5 P133 Cisco Systems (pe T Comment Status D pability (F4, F2, F3, F0, F1) is encoded in bit these bits encode requests, rather than capa enerdy to "FEC capability and request bits (F4, F2, F3, F0, F1)	cisco Systems         ype       T       Comment Status       D         not transmit an ability it does not possess"         not suitable - it is a requirement, not a statement of fact.         se" is typically used for abilities, and is preferable over "send remedy         to "but it shall not advertise an ability it does not possess".         esponse       Response Status         SED ACCEPT IN PRINCIPLE.       0         0 deletes the following text in 73.6.2.4: "Multiple technologies codeword. A device shall support the data service ability for es. It is the responsibility of the Arbitration function to determ tion shared by a link partner and to resolve multiple common and third sentences of the deleted text were moved to "73.4" the second sentence was not moved into 73.4.1 because of smit an ability it does not possess" legacy text in 73.4.1.         e the deleted sentence contains the word "shall" it is apropria indicated in the suggested remedy.         ent suggested remedy and update PICS item LE8 in 73.11.4         ent with editorial license and update other Clause PICS sub- try.         SC 73.6.2.5       P133       L50         gisco Systems       D         pability (F4, F2, F3, F0, F1) is encoded in bits D43:D47" these bits encode requests, rather than capabilities.         emedy       to "FEC capability and request bits (F4, F2, F3, F0, F1) are ""         esponse       Response Status       W	Lisco Systems $P_{PP}  \mathbf{T}  Comment Status  \mathbf{D} \qquad (Logic) (bucket)$ not transmit an ability it does not possess" not suitable - it is a requirement, not a statement of fact. se' is typically used for abilities, and is preferable over "send" here. <i>termedy</i> to 'but it shall not advertise an ability it does not possess". <i>Besponse Response Status</i> $\mathbf{W}$ SED ACCEPT IN PRINCIPLE. 0 deletes the following text in 73.6.2.4: "Multiple technologies may be advertised in codeword. A device shall support the data service ability for a technology it es. It is the responsibility of the Arbitration function to determine the common mode tion shared by a link partner and to resolve multiple common modes." and third sentences of the deleted text were moved to "73.4.1 Technology ability" the second sentence was not moved into 73.4.1 because of the existing "but will smit an ability it does not possess" legacy text in 73.4.1. e the deleted sentence contains the word "shall" it is apropriate to change "will" to s indicated in the suggested remedy. ent with editorial license and update PICS item LE8 in 73.11.4.3 to point to 73.4.1. ent with editorial license and update other Clause PICS subclause references if $P_{P}  Comment Status  \mathbf{D} \qquad (Logic) (bucket)$ pability (F4, F2, F3, F0, F1) is encoded in bits D43:D47" these bits encode requests, rather than capabilities. <i>emedy</i> to "FEC capability and request bits (F4, F2, F3, F0, F1) are encoded in bits $P_{P}  Response Status  \mathbf{W}$	Cisco SystemsHe, Xiang $ype$ TComment Status D(Logic) (bucket)not transmit an ability it does not possess"If ILT is the train confignot suitable - it is a requirement, not a statement of fact.If ILT is the train configse" is typically used for abilities, and is preferable over "send" here.If ILT is the train configto "but it shall not advertise an ability it does not possess".SuggestedesponseResponse Status WSED ACCEPT IN PRINCIPLE.WDeletes the following text in 73.6.2.4: "Multiple technologies may be advertised in codeword. A device shall support the data service ability for a technology it es. It is the responsibility of the Arbitration function to determine the common modes."and third sentences of the deleted text were moved to "73.4.1 Technology ability" the second sentence was not moved into 73.4.1.and third sentences of the deleted text were moved to "73.4.1 Technology ability" the second sentence contains the word "shall" it is apropriate to change "will" to s indicated in the suggested remedy.stringt an ability it does not possess" the deleted sentence contains the word "shall" it is apropriate to change "will" to scos SystemsypeTComment Status D(Logic) (bucket)pability (F4, F2, F3, F0, F1) is encoded in bits D43:D47" these bits encode requests, rather than capabilities.ypen TComment Status Dypen	Cisco SystemsHe, Xiang $ype$ TComment StatusD(Logic) (bucket)not transmit an ability it does not possess"II LT is disabnot suitable - it is a requirement, not a statement of fact.II LT is disabse' is typically used for abilities, and is preferable over "send" here.If ILT is disabtermedySED ACCEPT IN PRINCIPLE.SuggestedRemedto abult it shall not advertise an ability it does not possess".SuggestedRemedcodeword. A device shall support the data service ability for a technology itResolve usinges. It is the responsibility of the Arbitration function to determine the common mode.IEditor's notecitor shared by a link partner and to resolve multiple common modes."IEditor's noteand third sentences of the deleted text were moved to "73.4.1 Technology ability"IEditor's notethe second sentence contains the word "shall" it is apropriate to change "will" toIs appropriatelysi indicated in the suggested remedy.L50# 440riv.Cisco SystemsComment Status DypeTComment Status D(Logic) (bucket)pability (F4, F2, F3, F0, F1) is encoded in bits D43:D47"It are encoded in bits D43:D47"PROPOSEDthese bits encode requests, rather than capabilities.Proposed ResponyponseResponse Status WSuggestedremeyponseResponse Status WIt are instable of the suggested remedyyponseResponse Status WIt are instable of the properiate in the suggested remedyyponseResponse Status WIt are instable o	Lisco SystemsHe, Xiang $pe$ TComment Status D(Logic) (bucket)not transmit an ability it does not possess"If ILT is disabled by manhot suitable - it is a requirement, not a statement of fact.For pMDs that require the transmitter side? I uheredyto "but it shall not advertise an ability it does not possess".SuggestedRemedyesponseResponse Status WSED ACCEPT IN PRINCIPLESet a service ability for a technology itFor PMDs that require to0 deletes the following text in 73.6.2.4: "Multiple technologies may be advertised inProposed Response10 deletes the following text in 73.6.2.4: Take a service ability for a technology itResolve using the responsibility of the Arbitration function to to determine the common mode."and third sentences of the deleted text were moved to "73.4.1 technology ability"For 116.5is indicated in the suggested remedy.For 116.5ent suggested remedy and update PICS item LE8 in 73.11.4.3 to point to 73.4.1.ent with editorial license and update other Clause PICS subclause references ifIf $V_{-}$ Comment Status D(Logic) (bucket)pability (F4, F2, F3, F0, F1) is encoded in bits D43:D47"these bits encode requests, rather than capabilities.emedyto "FC capability and request bits (F4, F2, F3, F0, F1) are encoded in bitsrresponseResponse Status W	Cisco SystemsHawei $pe \ T$ Comment Status D(Logic) (bucket)not transmit an ability it does not possess*(Logic) (bucket)not suitable - it is a requirement, not a statement of fact.(Logic) (bucket) $e^{int}$ is typically used for abilities, and is preferable over "send" here.(Inderstand this is the langua $emedy$ (Logic) (bucket) $emedy$ (Logic) (bucket) $emedy$ (Logic) (bucket)SED ACCEPT IN PRINCIPLE.(Logic) (bucket) $oletests$ the following text in 73.6.2.4.1 Wultiple technologies may be advertised in to shard by a link partner and to resolve multiple common modes."and third sentences of the deleted text were moved to "73.4.1 Technology ability" the second sentence was not moved into 73.4.1.and third sentences of the deleted text were moved to "73.4.1 Technology ability" the second sentence was not moved into 73.4.1.and third sentences of the deleted text were moved to "73.4.1 Technology ability" the second sentence was not moved into 73.4.1.as the deleted sentence contains the word "shall" it is apropriate to change "will" to s indicated in the suggested remedy.So 73.6.2.5P133 $C 73.6.2.5$ P133 $p = T$ Comment Status D $(Logic)$ (bucket)pability (P4, F2, F3, F0, F1) is encoded in bits D43:D47" these bits encode requests, rather than capabilities. $p = T$ Comment Status D $p = T$ Comment Status D<	Cisco Systems(Logic) (bucket)not transmit an ability it does not possess"(Logic) (bucket)not suitable - it is a requirement, not a statement of fact.(Logic) (bucket)se' is typically used for abilities, and is preferable over "send" here.(H L T is disabled by management, how wold precoding request sigto 'but it shall not advertise an ability it does not possess'.(Logic) (bucket)sponseResponse StatusWSED ACCEPT IN PRINCIPE.(Logic) (bucket)o deletes the following text in 73.8.2.4: "Multiple technologies may be advertised in codeword. A device shall support the data service ability for a technology it as it is the responsibility of the Arbitration function to determine the common mode.and third sentences of the deleted text were moved to 73.4.1 Technology ability' the second sentence was not possess' legacy text in 73.4.1.and the deleted sentence contains the word "shall" it is apropriate to change "will" to indicated in the suggested remedy.st table deleted sentence contains the word "shall" it is apropriate to change "will" to indicated in the suggested remedy.st table deleted sentence contains the word "shall" it is apropriate to change "will" to contope Dis new but not underlined.st table suggested remedy.structstructstructstructstructper tcorrent Status Dper tcorrent Status Dper to corrent Status Dpability (F4, F2, F3, F0, F1) is encoded in bits D43:D47"these bits encode requests its references bilities.proposed Responseproposed Response Status W		

leff Broadcom	o <i></i>	
	Slavick, Jeff Broadcom	
t Type E Comment Status D (Common) (bu	Comment Type TR Comment Status D	(Common) (bucket) ILT
aundry list of PMA types that do odd lane skew is more clear if it's a comma rated list instead of using multiple "or" options.	No pointer to the CHECK_REQ function is provid	ded.
dRemedy	SuggestedRemedy Add the following sentence to the last paragraph	of 1798 11 2: "The function
ge "by the 200GBASE-R 1:8 or 8:1 PMA or 400GBASE-R 2:16 or 16:2 PMA if the	CHECK_REQ is defined in 178B.14.3.1."	
includes any of these PMA types." by the 200GBASE-R 1:8 PMA, 200GBASE-R 8:1 PMA, 400GBASE-R 2:16 PMA a	Proposed Response Response Status W	
BASE-R 16:2 PMA if the PHY includes any of these PMA types. "	PROPOSED ACCEPT IN PRINCIPLE.	
I Response Response Status W	Add the following sentence to the last paragraph CHECK_REQ is defined in 178B.14.3.2.".	of 178B.11.2: "The function
POSED ACCEPT IN PRINCIPLE.	Implement with editorial license.	
ement the suggested remedy with editorial license.	[Editor's note: changed page from 783 to 800]	
SC 178B.4 P786 L52 # 458	C/ 176C SC 176C.6.3.1 P724	L <b>35</b> # 462
leff Broadcom	Slavick, Jeff Broadcom	
t Type TR Comment Status D (Common) (bucke	Comment Type TR Comment Status D	(Common) (bucket) ILT
second paragraph of 178B.4 talks about "devices" that have one or two physically tied interfaces. The use of "former" and "latter" is refering to one and two? Or PMI	There is ILT has a Type E1 not type E.	
AUI?.	SuggestedRemedy	
s about devisees with no physically instantiated interfaces, it still uses II T on the	Change Type E to Type E1.	
about devices with no physically instantiated interfaces, it still uses ILT on the um.	Proposed Response Response Status W	
dRemedy	PROPOSED ACCEPT IN PRINCIPLE.	
ge the 2nd paragraph from:	Resolve using the response to comment #109. [Editor's note: Changed subclause/page from 17	6C.5.3.1/706 to 176C.6.3.1/724]
ces in a path may include one or two physically instantiated interfaces, specifically or AUI components. An example of the former is a PMA adjacent to a PCS or to a		
XS with a single AUI-C2M (Annex 176D) or AUI C2C (Annex 176C) interface (the	C/ 179 SC 179.8.9 P393	L13 # 464
ace with the PCS or PHY XS is never physically instantiated). An example of the la	Slavick, Jeff Broadcom	
etimer with an AUI C2C (Annex 176C) interface on one side and an AUI-C2M (Anr ) on the other side.	Comment Type TR Comment Status D	(Electrical) (bucket) presets
,	Move Table 179-8 and here. It's relevent only to	
ces in a path may include zero, one or two physically instantiated interfaces betwee	SuggestedRemedy	
IAC and the PMD. Figure 176B-1 depicts a device with zero physically instantiate	Move Table 179-8 to the end of 179.8.9 and dele	ele 179.9.4.1.3
aces. The left two stacks in Figure 176B-2 depict a device with a single xAUI ace, either a AUI-C2M (Annex 176D) or AUI-C2C (Annex 176C). The right 3 stac	Proposed Response Response Status W	
jure 176B-2 depicts a device with two xAUI interfaces.	PROPOSED REJECT. The initial conditions (presets) table includes tole	erances, and thus it is part of the electrical
l Response Response Status W	specifications. Its location is consistent with prev	vious clauses.
POSED ACCEPT IN PRINCIPLE.	The suggested change is not considered an imp confusing to readers.	rovement of the draft, and may be
s only applicable to physically instantiated interfaces.	[Editor's note: Changed page from 379 to 393]	
use of "later" and "former" is confusing. Ive using the response to comment #114.		
R/technical required ER/editorial required GR/general required T/technical E/edi NT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/op	G/general Cor	<i>nment ID</i> 464 Page 46 of 81 7/7/2025 1:07:05

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

7/7/2025 1:07:05 PM

C/ 178B SC 178B.5	P <b>788</b>	L <b>3</b>	# 465	C/ 1	SC 1.	1.3.2	P <b>52</b>	L <b>21</b>	# 469
Slavick, Jeff	Broadcom	-0		Slavick, J			Broadcom		
Comment Type TR	Comment Status D		(Common) (bucket) ILT	Comment		E	Comment Status D		(Common) (bucket
The otherwise is not ne	cessary as the heading says	s you use one	or the other.	Do we	e need to a	actually	list the number of widths? It's	s a laundry list	just introduce it as a list.
SuggestedRemedy				Suggeste	dRemedy				
Remove the "otherwise	".			Chan	ge "Four w		o "The following widths" on po		line 40
Proposed Response	Response Status W						o "The following widths" on pg o "the following widths" on pg5		
PROPOSED ACCEPT.							b "the following widths" on pg5		
	0700		// 107		•		"the following widths" on pg5	7 line 43	
C/ 178B SC 178B.10	P799	L 44	# 467		Response		Response Status W		
Slavick, Jeff	Broadcom			-	POSED R		number of widths is not neces	seany Howeve	r it is not incorrect and
<i>,</i>	nment Type TR Comment Status D (Common) (bucket) In The fact that polarity_invert persists after training completes should be the last part of this						y width variants to expect. The		
sub-clause.	ivent persists after training co	impletes shou	u be the last part of this	the cl	arity or ac	curacy o	of the draft.		
SuggestedRemedy				CI 30	SC 30	).3.2.1.2	P <b>61</b>	L16	# 470
Move the 2nd paragrap	h in 178B.10 to be after the I	NOTE.		Slavick, J	eff		Broadcom		
Proposed Response	Response Status W			Comment	Туре	TR	Comment Status D		(Logic) (bucket
PROPOSED ACCEPT.				Claus	e 186 is n	ot a PC	S anymore. So it's just a 800	)GBASE-R PH	Y now.
C/FM SC FM	P13	LO	# 468	Suggeste	dRemedy				
	Broadcom	LU	# 400	Remo	ove the tex	t associ	iated with 800GBASE-ER1 fro	om 30.3.2.1.2 a	and 30.3.2.1.3
Slavick, Jeff Comment Type ER	Comment Status D		(Common) (bucket)	Proposed	Response	Э	Response Status W		
51	describtion of 802.3dj does r	not list out the	,,,,,,	PROF	POSED AG	CCEPT.			
SuggestedRemedy				C/ 69	SC 69	9.1.2	P128	L 50	# 471
	be Annex 174A through 186A	4		Slavick, J			Broadcom		
Proposed Response	Response Status W			Comment		TR	Comment Status <b>D</b>		(Common) (bucket
PROPOSED ACCEPT	,				ges to 69.		missing.		
Implement the suggest	ed remedy with editorial licer	nse.		Suaaeste	- dRemedy		-		
				00			m 802.3df to add on 1.6T the	same stack as	800G.
				Proposed	Response	Э	Response Status W		
							IN PRINCIPLE.		
				Imple	ment suad	pested r	emedy with editorial license.		

CI 69	SC 69.2.1	P <b>128</b>	L <b>50</b>	# 472	CI 69	SC 69.2.3	P128	L <b>50</b>	# 474
Slavick, Jeff		Broadcom			Slavick, Je	eff	Broadcom		
Comment Ty Changes	ype <b>TR</b> s to 69.2.1 are	Comment Status D missing.		(Common) (bucket)	<i>Comment</i> Chang	<i>Type</i> <b>TR</b> ges to 69.2.3 ar	Comment Status <b>D</b> e missing.		(Common) (bucket)
	69.2.1 to add ir	n the Clause 170 RS and 1.6T	MII to the list of	of MIIs. This clause was	Suggested Add re	2	le 174-3 to the last paragraph o	f 69.2.3 as am	eded by 802.3df.
Proposed Re PROPO	SED ACCEPT	Response Status W IN PRINCIPLE. remedy with editorial license.			PROP		Response Status W T IN PRINCIPLE. I remedy with editorial license.		
C/ 69	SC 69.2.3	P128	L 50	# 473	C/ <b>69</b> Slavick, Je	SC 69.4	P <b>128</b> Broadcom	L <b>50</b>	# 475
Slavick, Jeff Comment Ty	ype TR	Broadcom Comment Status D		(Common) (bucket)	Comment	Type TR	Comment Status D eferences are missing.		(Common) (bucket)
SuggestedR		C C			Suggested Add th	2	3 in the appropriate locations:		
paragrap "Backpla	ph that was am ane Ethernet a	alking about the new PHYs. A nended by 802.3df. Iso specifies 200GBASE-KR1	, 400GBASE-k	(R2, 800GBASE-KR4,			normative delay specifications a also referenced in 80.4.	may be found	in 117.1.4, 119.5,

"Backplane Ethernet also specifies 200GBASE-KR1, 400GBASE-KR2, 800GBASE-KR4, and 1.6TBASE-KR8. The 200GBASE-KR1 embodiment employs the PCS defined in Clause 119, the PMA defined in Clause 176, and the PMD defined in Clause 178, and specifies 200 Gb/s operation using 4-level PAM over one differential paths in each direction. The 400GBASE-KR2 embodiment employs the PCS defined in Clause 119, the PMA defined in Clause 176, and the PMD defined in Clause 119, the PMA defined in Clause 176, and the PMD defined in Clause 178, and specifies 400 GBASE-KR2 embodiment employs the PCS defined in Clause 179, the PMA defined in Clause 176, and the PMD defined in Clause 178, and specifies 400 GBASE-KR4 embodiment employs the PCS defined in Clause 176, and the PMD defined in Clause 178, and specifies 1.6 Tb/s operation using 4-level PAM over eight differential paths in each direction."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. Implement suggested remedy with editorial license. For 400GBASE-KR2, normative delay specifications may be found in 117.1.4, 119.5, 176.8, and 178.6, and also referenced in 80.4.

For 800GBASE-KR4, normative delay specifications may be found in 170.1.4, 172.5, 176.8, and 178.6, and also referenced in 169.4.

For 1.6TBASE-KR4, normative delay specifications may be found in 170.1.4, 175.5, 176.8, and 178.6, and also referenced in 174.4.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. Implement suggested remedy with editorial license.

CI 69	SC 69.5	P128	L <b>50</b>	# 476	C/ 178	SC 1	78.10.1	P371	L1	# 479
Slavick, .	Jeff	Broadcom			Healey, Ad	dam		Broadcom, Inc		
Commen	nt Type TR	Comment Status D		(Common) (bucket)	Comment	Туре	E	Comment Status D	ec	trical) (bucket) COM MLSD
and '	"PMD" Clause	he list of clauses the PICS cove s in this list.	er. It appears we	insert only the "FEC"	for the	e calculati	ion of CC	d sequence detection (MLSE M." Now that Table 178-12 in n likelihood sequence detecti	ncludes a pa	rameter that indicate
00	edRemedy					ne redund				d, this statement has
	rt in the list of Clause 178,"	Clauses in the first paragraph of	f 69.5 as amende	ed by 802.3df: "Clause	Suggested					
•	d Response	Response Status W			Remo 176D.		entence.	Also remove similar sentence	es in 179.11.	7, 176C.7.1, and
Imple	ement sugges	EPT IN PRINCIPLE. ted remedy with editorial license			Proposed PROF	Respons POSED A		Response Status W		
CI 73	SC 73.6.	2.4 P134	L1	# 477				<b>D</b> =		
Slavick,	Jeff	Broadcom			C/ 178B		78B.7.1	P <b>796</b>	L 26	# 485
Commen	nt Type E	Comment Status D		(Logic) (bucket)	Kimber, M	ark		Semtech		
		ng up on the next page which is	fine, but the nex	t section begins first and	Comment		TR	Comment Status D		(Common) (bucket) ILT
		n the middle of list.						this only applies to E1 cases		
	edRemedy							uses. There is a comment in uld be better to also state in		
Can	you force the	able to occur before the next su	ub-section?		Suggested		•			,
Proposed	d Response	Response Status W			Chanc					
-		EPT IN PRINCIPLE.				,	lition requ	lest bits are used to select or	ne of the up t	o six predefined
Imple	ement sugges	ted remedy with editorial license	Э.			nitter equ	alizer co	nfigurations (presets) specifie	ed in the AU	annexes or PMD clauses.
C/ 178	SC 178.9	.2.4 P364	L35	# 478	To Only a	applies fo	r E1 intef	aces. The initial condition red	quest bits are	e used to select one of the
Healey, A	Adam	Broadcom, I	nc.					smitter equalizer configuration	ons (presets)	specified in the AUI
Commen	nt Type T	Comment Status D		(Electrical) (bucket)			ID clause			
"The	reference val	ue [] is calculated based on th	e receiver packa	ige class to which the	Proposed			Response Status W		
devic it see	ce adheres." S ems that the c	Ince this subclause is about tra alculation should be based on the	nsmitter differen he transmitter pa	ce steady-state voltage, ckage class.	-			N PRINCIPLE. medy with editorial license.		
Suggeste	edRemedy									
Char	nge "receiver"	to "transmitter".								
Proposed	d Response	Response Status W								
	·	·								

PROPOSED ACCEPT.

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

Comment ID 485

C/ 178B	SC 178B.7.5	P <b>796</b>	L 50	# 486	C/ 178B	SC 178B.1	4.3	P 806	L 1	# 499
imber, Ma	'k	Semtech			Dudek, Mik	e	Ν	larvell		
omment T	ype TR	Comment Status D		(Common) (bucket) ILT	Comment 7	уре Е	Comment St	atus D		(Common) (bucket) ILT
stating		s this only applies to E1 case ored on receipt. It would be b			these p	aragraphs we				It would read better if s the different behaviour.
	,				Suggested	Remedy				
SuggestedF Change	-				Move the	ne first paragr	raph to after the 3r	l paragraph	า.	
The coe		its are used to identify the co	efficient that	is the target of a	Proposed F PROPC	Response DSED ACCEF	Response Sta PT.	ntus <b>W</b>		
	plies for E1 inte	rfaces. The coefficient selec	t bits are use	d to identify the coefficient	C/ 178B	SC 178B.1	4.3.1	P807	L 44	# 500
that is t	ne target of a co	pefficient request			Dudek, Mik	е	Ν	larvell		
Proposed R	esponse	Response Status W			Comment 7		Comment St	atus D		(Common) (bucket) ILT
	SED ACCEPT ent suggested r	IN PRINCIPLE. emedy with editorial license.			"Corres	pondent" is s		oonding" is	better, as used	I in the base document in
7 178B	SC 178B.7.6	P <b>797</b>	L1	# 487	Suggested	Remedy				
Kimber, Ma	'k	Semtech			Change	e "correspond	lent" to "correspone	ling" here	and on line 48.	
Comment T	ype TR	Comment Status D		(Common) (bucket) ILT	Proposed F PROPC	Response DSED ACCEF	Response Sta PT.	ntus W		
SuggestedF	-				C/ 179	SC 179.9.5	5.3.3	P <b>407</b>	L11	# 501
Change The coe		bits are used to change the	value of the c	oefficient specified by the	Dudek, Mik	е	Ν	larvell		
	ent select	bits are used to change the		ochicient specified by the	Comment 7		Comment St	atus D		(Electrical) (bucket) ITOL
bits. To										connector. Listing the
Only ap		faces. The coefficient reques	st bits are use	ed to change the value of			ckage separately c called in Table 17		o double countir	ng. Partial host channel
bits.					Suggested	Remedy				
Proposed R	esponse	Response Status W								mination models" to
	SED ACCEPT					he receiver p 1 page 757 lin		раскаде,	and device term	nination models. Also in
Implem	ent suggested r	emedy with editorial license.			Proposed F		Response Sta	tus W		
					•	•	PT IN PRINCIPLE.			
							3.3, change from ost channel, packa	ge, and de	evice termination	n models"
					"using t		artial host channel 12.2, change from	package,	and device term	nination models".
					"using t to	he host chan	nel, device packag			
					"using t	he partial hos	st channel, packag	e, and devi	ce termination r	nodels".
				red T/technical E/editorial G ONSE STATUS: O/open W/v		U/unsatisfied	d Z/withdrawn	Com	ment ID 501	Page 50 of 81 7/7/2025 1:07:0

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

C/ 176D	SC 176D.6.6	P <b>747</b>	L 36	# 505	C/ 179A	SC 179A.7	P 822	L13	# 510
Dudek, Mike		Marvell			Dudek, Mik	e	Marvell		
Comment Typ	rpe TR	Comment Status D		(Electrical) (bucket)	Comment 7	уре <b>т</b>	Comment Status D		(Electrical) (bucket
specified at TP1a.	l in 176D.6.1 pa	are best measured at the in age 744 line 23 and as is dor ver that 176D.8.10 specifical	he for the host i	n section 176D.6.5 not	TP5d c point.	hannels and the	t show that Device package re are no such things as TP		
SuggestedRe	,				Suggested	-	nce "Device package model	a ara inaludad in	the TD0d and TD5d
	•	ions at TP1a" to "Specifictio	ns at TP1"				3);" or replace it with "Device		
Proposed Re	esponse	Response Status W					(Figure 179-2)."		
PROPOS	SED ACCEPT I				Proposed F	•	Response Status W		
Resolve	using the respo	onse to comment #141.				SED ACCEPT	IN PRINCIPLE. TP5d channel includes the	nackagas daas r	not nood to bo
C/ 179A	SC 179A.5	P819	L <b>8</b>	# 509	accom	panied by a figur	re. These test points are refe	erenced many tir	mes in Annex 179A.
Dudek, Mike		Marvell			Howev	er, their definition	n is in 179.8.1 and is not ex	plicitly reference	d.
Comment Ty	vpe T	Comment Status D		(Electrical) (bucket)	In 179/	.7, change			
Figure 17 and maxi multiple o	, 79A-3 does not imum insertion	show the maximum insertio loss of the cable. There is r ossible and the maximum va	no illustration of	ble assembly assembly this as there are	"Device to "Dev In 1794 "TP0d	ice package mo 1, change and TP5d test p	Is are included in the TP0d dels are included in the TP0 points are illustrated in the 20	0d-to-TP5d chan	nel". 400GBASE-CR2,
Figure 17 and maxi multiple o simultane SuggestedRe Change "	79A-3 does not imum insertion combinations po eously allowed. <i>emedy</i> "and is illustrate	show the maximum insertio loss of the cable. There is r ossible and the maximum va	no illustration of alues of all the i	ble assembly assembly this as there are tems listed is not	"Device to "Dev In 179/ "TP0d 800GB to "TP0	ice package mo 1, change and TP5d test pack ASE-CR4, and 1 d and TP5d are	dels are included in the TPC oints are illustrated in the 20 1.6TBASE-CR8 link block di defined in 179.8.1 and illus	0d-to-TP5d chan 00GBASE-CR1, agram of Figure trated in Figure 7	nel". 400GBASE-CR2, 179–2" 179–2".
Figure 17 and maxi multiple o simultane SuggestedRe Change " in Figure	79A-3 does not imum insertion combinations pr eously allowed. <i>emedy</i> "and is illustrate 179A-2"	show the maximum insertio loss of the cable. There is r ossible and the maximum va ed in Figure 179A-3" to "and	no illustration of alues of all the i	ble assembly assembly this as there are tems listed is not	"Device to "Dev In 179/ "TP0d 800GB to "TP0 <i>C</i> / <b>179B</b>	ice package mo 1, change and TP5d test pack ASE-CR4, and 7 d and TP5d are SC <b>179B.2</b>	dels are included in the TPC oints are illustrated in the 20 1.6TBASE-CR8 link block di defined in 179.8.1 and illus P823	0d-to-TP5d chan 00GBASE-CR1, agram of Figure	nel". 400GBASE-CR2, 179–2"
Figure 17 and maxi multiple o simultane SuggestedRe Change " in Figure Proposed Re	79A-3 does not imum insertion combinations p eously allowed. <i>emedy</i> "and is illustrate a 179A-2" <i>esponse</i>	show the maximum insertio loss of the cable. There is r ossible and the maximum va ed in Figure 179A-3" to "and <i>Response Status</i> <b>W</b>	no illustration of alues of all the i	ble assembly assembly this as there are tems listed is not	"Device to "Dev In 1794 "TP0d 800GB to "TP0 <i>CI</i> <b>179B</b> Dudek, Mik	ice package mo 1, change and TP5d test pack ASE-CR4, and 2 d and TP5d are SC <b>179B.2</b> e	dels are included in the TPC oints are illustrated in the 20 1.6TBASE-CR8 link block di defined in 179.8.1 and illus P823 Marvell	0d-to-TP5d chan 00GBASE-CR1, agram of Figure trated in Figure 7	nel". 400GBASE-CR2, 179–2" 179–2". # <u>511</u>
Figure 17 and maxi multiple o simultane SuggestedRe Change " in Figure Proposed Re PROPOS The first o the text d	79A-3 does not imum insertion combinations pr eously allowed. emedy "and is illustrate a 179A-2" esponse SED ACCEPT I reference to Fig describes the m	show the maximum insertio loss of the cable. There is r ossible and the maximum va ed in Figure 179A-3" to "and <i>Response Status</i> <b>W</b> N PRINCIPLE. gure 179A-3 in the second p aximum insertion loss, but ti	no illustration of alues of all the i is illustrated for aragraph of 179 he figure shows	ble assembly assembly this as there are tems listed is not r the HN to HN channel 9A.5 is incorrect, since s the minimum loss	"Device to "Dev In 1794 "TP0d 800GB to "TP0 <i>C</i> / <b>179B</b> Dudek, Mik <i>Comment</i> 7	ice package mo A.1, change and TP5d test part ASE-CR4, and 1 d and TP5d are SC <b>179B.2</b> e <i>Type</i> <b>T</b>	dels are included in the TPC oints are illustrated in the 20 1.6TBASE-CR8 link block di defined in 179.8.1 and illus P823	0d-to-TP5d chan 00GBASE-CR1, agram of Figure trated in Figure <i>L</i> <b>29</b>	nel". 400GBASE-CR2, 179–2" 179–2". # <u>511</u> <i>(Electrical) (bucke</i>
Figure 17 and maxi multiple o simultane SuggestedRe Change " in Figure Proposed Re PROPOS The first i the text d budget, v	79A-3 does not imum insertion combinations pr eously allowed. emedy "and is illustrate a 179A-2" esponse SED ACCEPT I reference to Fig describes the m which is describ	show the maximum insertio loss of the cable. There is r ossible and the maximum va ed in Figure 179A-3" to "and <i>Response Status</i> <b>W</b> N PRINCIPLE. gure 179A-3 in the second p aximum insertion loss, but ti ed later in the paragraph (th	no illustration of alues of all the i is illustrated for aragraph of 175 he figure shows e second refere	ble assembly assembly this as there are tems listed is not r the HN to HN channel 9A.5 is incorrect, since s the minimum loss ence is correct).	"Device to "Device In 1794 "TP0d 800GB to "TP0 <i>C</i> / <b>179B</b> Dudek, Mik <i>Comment T</i> The TF	ice package mo A.1, change and TP5d test pack ASE-CR4, and 1 d and TP5d are SC <b>179B.2</b> e <i>SC</i> <b>179B.2</b> e <i>T</i> 2 and TP3 test package mo <i>S</i>	dels are included in the TPC oints are illustrated in the 20 1.6TBASE-CR8 link block di defined in 179.8.1 and illus <i>P</i> 823 Marvell <i>Comment Status</i> <b>D</b>	0d-to-TP5d chan 00GBASE-CR1, agram of Figure trated in Figure <i>L</i> <b>29</b>	nel". 400GBASE-CR2, 179–2" 179–2". # <u>511</u> ( <i>Electrical</i> ) (bucket
Figure 17 and maxi multiple o simultane SuggestedRe Change " in Figure Proposed Re PROPOS The first i the text d budget, v Delete th sentence	79A-3 does not imum insertion combinations preously allowed. emedy "and is illustrate a 179A-2" esponse SED ACCEPT I reference to Fig describes the m which is describ ne first instance a instead: "An e	show the maximum insertio loss of the cable. There is r ossible and the maximum va- ed in Figure 179A-3" to "and <i>Response Status</i> <b>W</b> N PRINCIPLE. gure 179A-3 in the second p aximum insertion loss, but ti ed later in the paragraph (th of "and illustrated in Figure xample of the channel loss a	no illustration of alues of all the i is illustrated for aragraph of 179 he figure shows e second refere 179A–3" and in	ble assembly assembly this as there are tems listed is not r the HN to HN channel 9A.5 is incorrect, since s the minimum loss ence is correct). asert the following	"Device to "Device In 1794 "TP0d 800GB to "TP0 <i>Cl</i> <b>179B</b> Dudek, Mik <i>Comment T</i> The TF show <i>Suggested</i>	ice package mo A.1, change and TP5d test pack ASE-CR4, and 1 d and TP5d are SC <b>179B.2</b> e <i>SC</i> <b>179B.2</b> e <i>T</i> 2 and TP3 test package mo <i>S</i>	dels are included in the TPC oints are illustrated in the 20 1.6TBASE-CR8 link block di defined in 179.8.1 and illus P823 Marvell Comment Status D points are not well illustrated	0d-to-TP5d chan 00GBASE-CR1, agram of Figure trated in Figure <i>L</i> <b>29</b>	nel". 400GBASE-CR2, 179–2" 179–2". # <u>511</u> <i>(Electrical) (bucket</i>
Figure 17 and maxi multiple c simultane SuggestedRe Change " in Figure Proposed Re PROPOS The first i the text d budget, w Delete th sentence configura	79A-3 does not imum insertion combinations preously allowed. emedy "and is illustrate a 179A-2" esponse SED ACCEPT I reference to Fig describes the m which is describ he first instance a instead: "An e ation is illustrate	show the maximum insertio loss of the cable. There is r ossible and the maximum va- ed in Figure 179A-3" to "and <i>Response Status</i> <b>W</b> N PRINCIPLE. gure 179A-3 in the second p aximum insertion loss, but tl ed later in the paragraph (th of "and illustrated in Figure	no illustration of alues of all the i is illustrated for aragraph of 179 he figure shows e second refere 179A–3" and in allocation for the	ble assembly assembly this as there are tems listed is not r the HN to HN channel 9A.5 is incorrect, since s the minimum loss ence is correct). Isert the following e HN-to-HN link	"Device to "Device In 1794 "TP0d 800GB to "TP0 <i>Cl</i> <b>179B</b> Dudek, Mik <i>Comment T</i> The TF show <i>Suggested</i>	ice package mo A.1, change and TP5d test pack ASE-CR4, and 7 d and TP5d are <i>SC</i> <b>179B.2</b> e <i>SC</i> <b>179B.2</b> e <i>T</i> 2 and TP3 test pack <i>Remedy</i> nd figure 179A-1	dels are included in the TPC oints are illustrated in the 20 1.6TBASE-CR8 link block di defined in 179.8.1 and illus <i>P</i> 823 Marvell <i>Comment Status</i> <b>D</b> points are not well illustrated	0d-to-TP5d chan 00GBASE-CR1, agram of Figure trated in Figure <i>L</i> <b>29</b>	nel". 400GBASE-CR2, 179–2" 179–2". # <u>511</u> <i>(Electrical) (bucket</i> )

	P 829	L <b>26</b>	# 517	C/ 185A SC 185A.2	.5.2 P866	L <b>7</b>	# 525
udek, Mike	Marvell			Dudek, Mike	Marvell		
Comment Type E Incomplete sentence (I	Comment Status D no verb)		(Electrical) (bucket)	Comment Type E Unnecessary duplica	Comment Status D		(Optical) (bucket
SuggestedRemedy				SuggestedRemedy			
Change "voltage deter	mined" to "voltage is determined"	ned"		Delete "as waveform	s"		
Proposed Response	Response Status W			Proposed Response	Response Status W		
PROPOSED ACCEPT				PROPOSED ACCEF Change	PT IN PRINCIPLE.		
C/ 179B SC 179B.4.6	P830	L14	# 518		as waveforms as described i	n Figure 185A–5	
Dudek, Mike	Marvell			to "captured waveforms	s as described in Figure 185A-	-5"	
Comment Type E	Comment Status D		(Electrical) (bucket)	·			
missing letter				C/ 179 SC 179.9.4		L36	# 527
SuggestedRemedy				Dudek, Mike	Marvell		
change "th" to "the"				Comment Type E	Comment Status D		(Electrical) (bucket) jitte
Proposed Response	Response Status W				ously the transmitter output of be better to be more precise.	the lane under te	est shouldn't be
PROPOSED ACCEPT				SuggestedRemedy			
C/ 180 SC 180.6	P <b>437</b>	L35	# 521	Change "transmitter	output is" to transmitter output	ts of the lanes no	ot under test are"
Dudek, Mike	Marvell			Proposed Response	Response Status W		
Comment Type T	Comment Status D		(Optical) (bucket)	PROPOSED ACCEP	РТ.		
The positioning and or	dering of the lanes at the MD	I is not specified i		C/ 174 SC 174.1.4	P <b>248</b>	L32	# 528
SuggestedRemedy				Dudek, Mike	Marvell	L <b>JZ</b>	# 528
Change the reference	from 180.9 to 180A.4			Comment Type T	Comment Status D		(Common) (bucke
Proposed Response PROPOSED ACCEPT	Response Status W			Clause 73 auto-nego	otiation is missing from the ele- es 116-3 amd 116-3a.	ctrical Phys in tal	. , .
				SuggestedRemedy			
	P852	L17	# 523	Add it.			
CI 180A SC 180A.4.1	7 052						
C/ 180A SC 180A.4.1 Dudek, Mike	Marvell			Proposed Response	Response Status W		
Dudek, Mike Comment Type <b>T</b>		∋ fiber cable plant	<i>(Optical) (bucket)</i> have to match.	Proposed Response PROPOSED ACCEF	Response Status <b>W</b> PT.		
Dudek, Mike Comment Type <b>T</b> For inter-operability the	Marvell Comment Status D	e fiber cable plant					
Dudek, Mike Comment Type <b>T</b> For inter-operability the SuggestedRemedy	Marvell Comment Status D		have to match.				

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

Levin, Itamar Comment Typ 20msec a when the is not clea SuggestedRet State in lin function, t conform to Proposed Res PROPOS The releva Implemen Cl 120F S Levin, Itamar Comment Typ In light of optional T functional SuggestedRet Align this Proposed Res PROPOS Annex 12( In 802.3ch (120F.4) a	are allocated PHY is conn ar about the e emedy ine 27 "When the signals at to all of the P sponse SED ACCEPT rant state nan	P130 Altera corp. Comment Status D for the signals at the MDI to created to the MDI through the sevent that starts this time period event that starts this time period a PHY is connected to the M the MDI shall HY specifications within 20 ms Response Status W TIN PRINCIPLE. The is "AN_GOOD_CHECK". remedy with editorial license. P662 Altera corp.	"Transmit Switch od. DI through the T	h function". The clause Fransmit Switch OD_CHECK state entry.	cursor there is Suggested/ either fi explain Proposed F PROPO Tap inc Thus ta	Type <b>T</b> pole says the position fo a discerp <i>Remedy</i> ix the com- ing the ap <i>Response</i> OSED RE- DSED RE- lex 1 is the ap index 56	e highes r a floati ency bei ment an arent dis JECT. e first pre	P734 Altera corp. Comment Status D st allowed tap index is 56 wh ng tap is 50. Given that the tween the comment and hig d highest index to be 54 or a coerpency. Response Status W ecursor tap, and there are 5	hile footnote (b) number of flatin ghest allowed ta add clarifying te	ng taps per group is 4, ap index ext in the comment
Comment Typ 20msec a when the is not clea SuggestedRey State in lir function, t conform to Proposed Res PROPOS The releva Implemen Cl 120F S Levin, Itamar Comment Typ In light of optional T functional SuggestedRey Align this Proposed Res PROPOS Annex 12( In 802.3ch (120F.4) a	are allocated PHY is conn ar about the e emedy ine 27 "When the signals at to all of the P sponse SED ACCEPT rant state nan nt suggested	Comment Status D for the signals at the MDI to created to the MDI through the sevent that starts this time period a PHY is connected to the M the MDI shall HY specifications within 20 ms Response Status W 'IN PRINCIPLE. he is "AN_GOOD_CHECK". remedy with editorial license. P662	"Transmit Switch od. DI through the T s of the AN-GOC	the PHY specifications h function". The clause Fransmit Switch OD_CHECK state entry.	Comment 7 The tab cursor there is Suggested either fi explain Proposed F PROPO Tap inc Thus ta	Type <b>T</b> pole says the position fo a discerp <i>Remedy</i> ix the com- ing the ap <i>Response</i> OSED RE- DSED RE- lex 1 is the ap index 56	r a floati ency bei ment an arent dis JECT. e first pre	Comment Status <b>D</b> st allowed tap index is 56 wh ng tap is 50. Given that the tween the comment and hig d highest index to be 54 or scerpency. Response Status <b>W</b>	hile footnote (b) number of flatin ghest allowed ta add clarifying te	) says the latest post- ng taps per group is 4, ap index ext in the comment
20msc a when the is not clea SuggestedRee State in lin function, t conform to Proposed Res PROPOS The releva Implemen Cl 120F Levin, Itamar Comment Typ In light of optional T functional SuggestedRee Align this Proposed Res PROPOS Annex 120 In 802.3ch (120F.4) a	are allocated PHY is conn ar about the e emedy ine 27 "When the signals at to all of the P sponse SED ACCEPT rant state nan nt suggested	for the signals at the MDI to co ected to the MDI through the ' event that starts this time period a PHY is connected to the M the MDI shall HY specifications within 20 ms <i>Response Status</i> W TIN PRINCIPLE. The is "AN_GOOD_CHECK". remedy with editorial license. P662	"Transmit Switch od. DI through the T s of the AN-GOC	the PHY specifications h function". The clause Fransmit Switch OD_CHECK state entry.	The tab cursor there is Suggested/ either fi explain Proposed F PROP( Tap inc Thus ta	ble says the position for a discerp Remedy ix the com- ing the ap Response OSED RE. DSED RE. lex 1 is the ap index 56	r a floati ency bei ment an arent dis JECT. e first pre	st allowed tap index is 56 wh ng tap is 50. Given that the tween the comment and hig d highest index to be 54 or scerpency. <i>Response Status</i> <b>W</b>	hile footnote (b) number of flatin ghest allowed ta add clarifying te	) says the latest post- ng taps per group is 4, ap index ext in the comment
when the is not clear SuggestedRer State in lir function, t Proposed Ress PROPOS The releva Implemen C/ 120F S Levin, Itamar Comment Typ In light of optional T functional SuggestedRer Align this Proposed Ress PROPOS Annex 12( In 802.3ch (120F.4) a	PHY is conn ar about the e emedy ine 27 "When the signals at to all of the P sponse SED ACCEPT rant state nan ht suggested	ected to the MDI through the ' event that starts this time period a PHY is connected to the M the MDI shall HY specifications within 20 ms <i>Response Status</i> W TIN PRINCIPLE. he is "AN_GOOD_CHECK". remedy with editorial license. P662	"Transmit Switch od. DI through the T s of the AN-GOC	h function". The clause Fransmit Switch OD_CHECK state entry.	cursor there is Suggested/ either fi explain Proposed F PROPO Tap inc Thus ta	position for a discerp Remedy in the com ing the ap Response DSED RE DSED RE lex 1 is the ap index 56	r a floati ency bei ment an arent dis JECT. e first pre	ng tap is 50. Given that the tween the comment and hig d highest index to be 54 or scerpency.	number of flatin ghest allowed ta add clarifying te precursor + 1 o	ng taps per group is 4, ap index ext in the comment
State in lir function, t conform to PROPOS The releva Implemen Cl <b>120F</b> Levin, Itamar Comment Typ In light of optional T functional SuggestedRey Align this Proposed Res PROPOS Annex 120 In 802.3ch (120F.4) a	ine 27 "When the signals at to all of the P sponse SED ACCEPT rant state nan nt suggested	the MDI shall HY specifications within 20 ms <i>Response Status</i> <b>W</b> IN PRINCIPLE. ne is "AN_GOOD_CHECK". remedy with editorial license.	s of the AN-GOC	OD_CHECK state entry.	either fi explain Proposed F PROPO Tap inc Thus ta	ix the com ing the ap <i>Response</i> OSED RE lex 1 is the ap index 50	arent dis JECT. e first pre	scerpency. Response Status W	precursor + 1 c	
function, t conform to Proposed Ress PROPOSI The releva Implemen C/ <b>120F</b> Levin, Itamar Comment Typ In light of optional T functional SuggestedRey Align this Proposed Ress PROPOSI Annex 120 In 802.3ch (120F.4) a	the signals at to all of the P sponse SED ACCEPT rant state nan nt suggested	the MDI shall HY specifications within 20 ms <i>Response Status</i> <b>W</b> IN PRINCIPLE. ne is "AN_GOOD_CHECK". remedy with editorial license.	s of the AN-GOC	OD_CHECK state entry.	explain <i>Proposed F</i> PROPO Tap inc Thus ta	ing the ap Response DSED RE lex 1 is the p index 56	arent dis JECT. e first pre	scerpency. Response Status W	precursor + 1 c	
Proposed Res PROPOS The releva Implemen Cl <b>120F</b> Levin, Itamar Comment Typ In light of optional T functional SuggestedRea Align this Proposed Res PROPOS Annex 120 In 802.3ch (120F.4) a	sponse SED ACCEPT rant state nan nt suggested	Response Status W IN PRINCIPLE. ne is "AN_GOOD_CHECK". remedy with editorial license. P662			PROPO Tap inc Thus ta	, DSED RE. lex 1 is the up index 56	JECT. e first pre		precursor + 1 o	cursor (main) taps.
PROPOS The releva Implement Cl 120F S Levin, Itamar Comment Typ In light of optional T functional SuggestedRey Align this Proposed Res PROPOS Annex 120 In 802.3cf (120F.4) a	SED ACCEPT ant state nan nt suggested	IN PRINCIPLE. he is "AN_GOOD_CHECK". remedy with editorial license. P662	<i>L</i> 1		Tap ind Thus ta	lex 1 is the p index 56	e first pre	ecursor tap, and there are 5	precursor + 1 (	cursor (main) taps.
Levin, Itamar Comment Typ In light of optional T functional SuggestedRey Align this Proposed Res PROPOS Annex 120 In 802.3ch (120F.4) a	SC 120F.1		<i>L</i> 1	" 500		-		50th postcursor tap, as in th 3/dj/public/25_01/ran_3dj_0		age=24>.
Comment Typ In light of optional T functional SuggestedRen Align this Proposed Res PROPOS Annex 120 In 802.3ch (120F.4) a		Altera corp.		# 539	C/ 176D	SC 176	D.8.6	P <b>753</b>	L 36	# 541
In light of optional T functional SuggestedRee Align this Proposed Res PROPOS Annex 120 In 802.3ch (120F.4) a					Levin, Itama	ar		Altera corp.		
optional T functional SuggestedRee Align this Proposed Res PROPOS Annex 120 In 802.3ck (120F.4) a	be TR	Comment Status D		(Electrical) (bucket)	Comment 7	vpe T	र	Comment Status D	(Ei	lectrical) (bucket) preset
SuggestedRei Align this Proposed Res PROPOS Annex 12( In 802.3ch (120F.4) a	TXEQ. There	d channel reach for C2C it ma are different TX tuning mecha	nisms in C2C a			s no prese xactly the		as a different than 0 precurs	or c(1). Also - t	he initialize and preset
Align this Proposed Res PROPOS Annex 120 In 802.3ck (120F.4) a		s (see 176C.3) which may ca	use confusion.		Suggestedl	Remedy				
PROPOS Annex 120 In 802.3cl (120F.4) a	-	vith annex 176C.3 functional s	pecification					1) <> 0. this may help with 0 t 6 or add a comment in this		
Annex 120 In 802.3ck (120F.4) a	sponse	Response Status W			Proposed F	lesponse		Response Status W		
specificati	k, the 1.6TAl and Tx equal	at 100 Gb/s per lane and wa JI-16 C2C maximum IL recom zation is included in the electric a 16-lane interface, 1.6TAUI-	mendation is 20 rical specification	) dB at 26.56 GHz ns (120F.3.1.5).	Preset <https: page="6&lt;br"><https: adding<br=""><https: identica<br="">request as a se</https:></https:></https:>	//www.ieee 69>, and th //www.ieee "initialize" //www.ieee al to prese ted using t parate rec	ded by t e802.org he relate e802.org as a sep e802.org t 6, but f he ILT p juest.	the response to comment #/ //3/dj/comments/D1p3/8023/ d presentation //3/dj/public/25_01/simms_3 parate row is explained in sl //3/dj/public/25_01/ran_3dj_/ or PMDs it is identical to pre protocol, e.g. to return to the	dj_D1p3_comm 3dj_01a_2501.p lides 12-20 the 01_2501.pdf>. eset #1. These a initial value, wi	nents_final_clause.pdf# odf>. The motivation for related presentation For AUIs "initialize" is presets can be rithout having "initialize"
					Gb/s) ti Note th that ma The co	hat had ze at change ay be used mment do	ro postc s to c(1) l for CDF es not pi	versor c(1) for all presets. can be requested using ILT R locking). rovide sufficient justification es not contain sufficient deta	T (which has an to support the	n initial PAM2 pattern suggested remedy.

C/ 179B SC 179B.4.6	P <b>830</b>	L14	# 544	C/ <b>45</b>	SC 4	5.2.1.168d	P 97	L13	# 555
Schreiner, Stephan	Rosenberger	Hochfrequenzte	chnik GmbH & Co. KG	Nicholl, S	Shawn		AMD		
Comment Type E	Comment Status D		(Electrical) (bucket)	Commen	t Type	ER	Comment Status D		(Logic) (bucket
missing "e" at the end o	of "the"						3 row, the Description co	lumn contains so	me incorrect text that is
SuggestedRemedy				carrie	ed over fro	om another	table.		
change "th" to "the"				1 = P	CS lane s	synchroniza	ation is complete. This bit	indicates that all	_locked_mux is true
Proposed Response	Response Status W				deskewed		ote_rx_ready is false on a	ony long of the in	torfooo
PROPOSED ACCEPT.							ole_IX_leady is laise of a		lenace
				00	edRemedy	/ Ilowing text			
C/ 1 SC 1.5	P 58	L 28	# 545	Fiop		nowing text			
Schreiner, Stephan	0	Hochfrequenzte	chnik GmbH & Co. KG				ation is complete. This bit	indicates that all	_locked_mux is true
Comment Type T	Comment Status D		(Common) (bucket)			complete.	ation is not complete.		
	entioned in the abbreviations.					-			
parameters	and TCTL / LCTL would be a	iso a typical nar	ne for the conversion	,	d Respons POSED A		Response Status W		
SuggestedRemedy							Diai	1.00	"
	the abbreviations or change	"RLdc, RLcd, IL	dc, and ILcd" into "TCL,	C/ <b>45</b>		5.2.1.216	P 101	L33	# 556
LCL, TCTL, and LCTL"				Nicholl, S			AMD		
Proposed Response	Response Status W			Commen		E	Comment Status D		(Logic) (bucket
PROPOSED ACCEPT Add the following abbre				Missi	ing a spac	e in Table	45-180, row 1.2200.4 des	scription column.	
ILcd differential-mode t	o common-mode insertion lo			Curre	ent text: "1	=IFEC de	coder"		
ILdc common-mode to	differential-mode insertion lo	SS		Suggeste	edRemedy	/			
C/ 45 SC 45.2.1.16	8c P96	L <b>46</b>	# 554	Prop	osed text:	"1 = IFEC	decoder"		
Nicholl, Shawn	AMD			Proposed	d Respons	se	Response Status W		
Comment Type ER	Comment Status D		(Logic) (bucket)	PRO	POSED A	CCEPT.			
In the first row of Table	45-133c the Bit(s) column co	ontains 1.1476.	5:9 text.						
SuggestedRemedy									
	the first row of Table 45-133	c in the Bit(s) c	olumn.						
Proposed Response	Response Status W								
PROPOSED ACCEPT.	•								

C/ <b>45</b>	SC 4	45.2.1.216	P 101	L <b>24</b>	# 557	CI 45	SC 4	5.2.1.21	7.6a	P 103	L <b>3</b>	# 558
Nicholl, S	Shawn		AMD			Nicholl, S	hawn			AMD		
Commer	nt Type	ER	Comment Status D		(Logic) (bucket)	Comment	Туре	TR	Comme	ent Status D		(Logic) (bucket)
Miss	ing a note	e that this -	Table 45-180 was amended	in 802.3ck-2022	2.					e Inverse RS-FE PHYs. Sub-Clau		
	ing a new 302.3dj.	v section at	ter the table that describes	the new field tha	at is added to the table					references to IFE		e MDIO/Inverse RS- er.
Suggeste	edRemed	ly				P802	3di Sub-	Clause "/	186 7 Man	agement variable	also contains	references to IFEC.
Prop	osed text	:: "Change	Table 45-180 (as amended	by IEEE Std 80	2.3ck-2022) as follows:"	"Table		- 800GBA	SE-ER1 F	EC status variab		
Also	propose	to add new	section:						9.01011			
Inse	rt 45.2.1.2	216aa befo	re 45.2.1.216.a as follows:			one th	nat is des	cribe in (	Úause 186	6), it would help th	e reader to enha	bed in Clause 152 and ince the description
45.2	.1.216.aa	IFEC deg	aded SER enable (1.2200.4	4)		pertai		o the Cla	use 186 IF			o clarify that this field 17.6b IFEC received
			IFEC decoder to indicate the When set to a one, this variate		0	Suggeste	o dRemedy	/	,			
			aded SER detection is disa			Propo	sed text	(for 45.2.	1.217.6a):	"Bit 1.2201.5 is s	et to one when t	he 800GBASE-ER1
	s return a aded SEF		IFEC does not have the ab	ility to signal the	e presence of a	IFEC		detects t				C frames. Bit 1.2201.5
'	d Respon	se ACCEPT.	Response Status W									also necessary to
110	, OOLD /	ICOLI I.				coned	ct the typ	0 1.2201	.4 (current	text) to 1.2201.5	(proposed text).	
						IFEC		detects t				he 800GBASE-ER1 C frames. Bit 1.2201.4
						Proposed	Respons	se	Respons	se Status W		
						PROF	POSED A	CCEPT.				

		-					•	•		
C/ <b>45</b>	SC 45.2.1.222	2 P104	L <b>8</b>	# 559	CI <b>45</b>	SC 45.2.1.2	262	P <b>111</b>	L12	# 562
Nicholl, Sl	hawn	AMD			Nicholl, Sh	awn		AMD		
Comment	Type ER	Comment Status D		(Logic) (bucket)	Comment	Type ER	Comment S	tatus D		(Logic) (bucke
P802. Curre bits au throug Suggester Curre bits au FEC I Proposed	.3dj draft. int text: "FEC lane re shown in registe gh register 1.2217 <i>dRemedy</i> int text: "FEC lane re shown in registe	<ul> <li>1, lower 16 bits are shown i er 1.2213; FEC lane 2, lower for FEC lane 3, upper 16 bits are shown i er 1.2213; FEC lane 3, upper 16 bits are shown i er 1.2213; FEC lane 2, lower its are shown in register 1.2</li> <li><i>Response Status</i> W</li> </ul>	in register 1.2212 r 16 bits are sho its; and so on." in register 1.2212 r 16 bits are sho	2; FEC lane 1, upper 16 wn in register 1.2214; 2; FEC lane 1, upper 16	definit inner_ MDIO is cap Suggested Propo registe Inner_ Proposed PROP When	ions" contains i FEC_codeword mapping" cont italized in one of <i>Remedy</i> se updating the er definitions" to FEC_codeword <i>Response</i> OSED ACCEP referring to the	nner_FEC_codev d_error_bin_4, wh ains Inner_FEC_c case, but not in th e description colur o contain Inner_FI d_error_bin_4 to e <i>Response St</i> T IN PRINCIPLE. Inner FEC subla	vord_error_bi ile "Table 17 codeword_err e other case. nn of "Table EC_codeword enhance sear atus <b>W</b> yer the "I" in	in_0 through 7-8 Inner FEC ror_bin_k. In oth 45-212I Inner I d_error_bin_0 th rchability of the d	locument. e capitalized.
icholl, Sl	SC <b>45.2.1.258</b>	3 <i>P</i> 109 AMD	L <b>22</b>	# 560	"Inner				-	that is change "inner" to
Comment		Comment Status D		(Logic) (bucket)	C/ 169	SC 169.3.2		P191	L17	# 563
Inner_ Inner_	_FEC_uncorrected	ner FEC decode" defines In d_cw_counter, Inner_FEC_t oits_counter. "Table 177-8 - se terms.	otal_bits_counte	r, and		<i>Type</i> <b>TR</b> nt text: " betw	Comment S een the Inner FE( only) mention of "3	C or Segmen		
count	er bit definitions" o	on column of "Table 45-212h contains FEC_corrected_cw d codewords". It is inconsis	_counter. And the	ne Name column	Suggested	Remedy	.,	C		and the PMA, PCS"
missir	ng the word "Inner	" in both columns.			Proposed	Response	Response St	atus W		
definit	tions", "Table 45-2	n "Table 45-212i Inner FE 212j Inner FEC total bits re cted bits register bit definition	egister bit definiti		-		T IN PRINCIPLE.			
Suggeste	dPomody									

#### SuggestedRemedy

Propose updating the description column of "Table 45-212h -- Inner FEC corrected codewords counter bit definitions" to Inner_FEC_corrected_cw_counter and the Name column to "Inner FEC corrected codewords".

Propose similar updates in "Table 45-212i -- Inner FEC uncorrected codewords counter bit definitions", "Table 45-212j -- Inner FEC total bits register bit definitions", and "Table 45-212k -- Inner FEC corrected bits register bit definitions".

Proposed Response Res	ponse Status W
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PROPOSED ACCEPT.

ns" contains ir EC_codeword happing" conta lized in one ca eupdating the definitions" to EC_codeword esponse ISED ACCEPT	AMD Comment Status D ion column of "Table 45-212 ner_FEC_codeword_error_t _error_bin_4, while "Table 17 ins Inner_FEC_codeword_el ase, but not in the other case description column of "Table contain Inner_FEC_codeword _error_bin_4 to enhance sea Response Status W	bin_0 through 77-8 Inner FEC rror_bin_k. In oth 9. 9 45-212I Inner rd_error_bin_0 th	s status variables and her words, the first letter FEC codeword error bin rough
y, the descript ns" contains in EC_codeword, happing" contains alized in one ca elemedy elemedy elements to EC_codeword esponse SED ACCEPT	ion column of "Table 45-212 iner_FEC_codeword_error_t _error_bin_4, while "Table 17 ins Inner_FEC_codeword_er ase, but not in the other case description column of "Table contain Inner_FEC_codeword _error_bin_4 to enhance sea <i>Response Status</i> <b>W</b>	bin_0 through 77-8 Inner FEC rror_bin_k. In oth 9. 9 45-212I Inner rd_error_bin_0 th	deword error bin register status variables and her words, the first letter FEC codeword error bin rough
ns" contains ir EC_codeword happing" conta lized in one ca eupdating the definitions" to EC_codeword esponse ISED ACCEPT	ner_FEC_codeword_error_t error_bin_4, while "Table 17 ins Inner_FEC_codeword_er ase, but not in the other case description column of "Table contain Inner_FEC_codewor _error_bin_4 to enhance sea Response Status W	bin_0 through 77-8 Inner FEC rror_bin_k. In oth 9. 9 45-212I Inner rd_error_bin_0 th	s status variables and her words, the first letter FEC codeword error bin rough
e updating the definitions" to EC_codeword esponse SED ACCEPT	contain Inner_FEC_codewo _error_bin_4 to enhance sea <i>Response Status</i> <b>W</b>	rd_error_bin_0 th	rough
definitions" to EC_codeword esponse SED ACCEPT	contain Inner_FEC_codewo _error_bin_4 to enhance sea <i>Response Status</i> <b>W</b>	rd_error_bin_0 th	rough
, SED ACCEPT	•		
	Inner FEC sublayer the "I" in mer" in the entries in the des P191		
wn	AMD		
pe TR	Comment Status D		(Common) (bucket)
text: " betwe	en the Inner FEC or Segme	nted FEC, and th	e PMA, PCS"
he first (and or	nly) mention of "Segmented	FEC" in P802.3dj	document.
Remedy	., .		
ed text: " betv	ween the Inner FEC or 800G	BASE-ER1 FEC	and the PMA, PCS"
, SED ACCEPT			
	SC 169.3.2 wn ype TR text: " betwe he first (and or Remedy ed text: " betw esponse VSED ACCEPT	SC 169.3.2       P 191         wn       AMD         ype       TR       Comment Status       D         text: " between the Inner FEC or Segmented         he first (and only) mention of "Segmented         Remedy         ed text: " between the Inner FEC or 800G	wn AMD ype <b>TR</b> Comment Status <b>D</b> text: " between the Inner FEC or Segmented FEC, and the he first (and only) mention of "Segmented FEC" in P802.3dj Remedy ed text: " between the Inner FEC or 800GBASE-ER1 FEC esponse Response Status <b>W</b> USED ACCEPT IN PRINCIPLE.

## 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 169.3.2	P 193	L 38	# 564	C/ 171	SC 171	.1	P <b>211</b>	L <b>24</b>	# 566
Nicholl, Shawi	n	AMD			Nicholl, Sh	awn		AMD		
Comment Typ	be T	Comment Status D		(Common) (bucket)	Comment	Туре Е		Comment Status D		(Logic) (bucket
	no figure show SE-ER1 FEC.	ving 800GBASE-R inter-subla	ayer service inte	erfaces including	System	n Interconr	nection	171-1 "800GXS and 1.6T) (OSI) reference model and	the IEEE 802.3	Ethernet model"
SuggestedRe	medy				severa	al lines are	wrapp	ing onto a second line. It dec	creases readabi	lity.
R Inner Fl		00GBASE-R inter-sublayer se w figure "800GBASE-R inter-			Curren	ntlý "800GA		1.6 Tb/s n-LANE ATTACHM = 800 Gb/s n-LANE ATTACH		
Proposed Res	sponse	Response Status W			Suggested			o		
PROPOS	ED REJECT.				Propos	se the follo	wing t	ext:		
		e 191 line 26 points to Figure sublayer and the FEC service			etc.) fu	urther to the	e right	fying the legend to move the . That should allow space to SE-R PMA layering with 1.6T2	avoid the text w	rap. See "Figure 171-
Cl 169	SC 169.5	P 199	L <b>1</b>	# 565	3d E	xample 1.	DIDAG	SE-R FINA layening with 1.012		
Nicholl, Shawi	n	AMD						the term AUI in the legend of		
Comment Typ	De ER	Comment Status D		(Common) (bucket)				1.4.198 "Attachment Unit Inte , propose the legend say "1.6		
Text abov contains a	•	-5 800GBASE-R Skew po	ints for a PHY v	vith two 800GAUI-n"	"800G deeme	AUI-n = 80 ed necessa	0 Gb/: ry by t	s n-LANE ATTACHMENT UN the editors), add a new entry the legend.	IT INTERFACE	". Optionally (if
Current te	ext: "Replace	Figure 169-4 with the followir	ng figure:"		Proposed I			Response Status W		
SuggestedRe	medy				,	,	CEPT	IN PRINCIPLE.		
Proposed	l text: "Replac	e Figure 169-5 with the follow	wing figure:"		Rearra	ange appro	priatel	y to fix the text wrap.		
Proposed Res PROPOS	sponse ED ACCEPT.	Response Status W								

Cl 176 SC 176.8 P318 L7 # 567	Cl 177 SC 177.5.5 P339 L6 # 569
Nicholl, Shawn AMD	Nicholl, Shawn AMD
Comment Type TR Comment Status D (Logic) (bucket	Comment Type TR Comment Status D (Logic) (bucket
The entries in "Table 176-7 Delay constraints" also pertain to 200GBASE-R, 400GBASE-R, and 1.6TBASE-R. They don't just pertain to 800GBASE-R. Current text: " the definitions for bit times and pause_guanta can be found in 169.4."	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."
	The text in Sub-Clause "177.5.5 Inner FEC decode" is inconsistent with "Table 45-212I
SuggestedRemedy Proposed text: " the definitions for bit times and pause_quanta can be found in 116.4, 169.4. and 174.4"	Inner FEC codeword error bin register definitions". The MDIO register contains bin_0 through bin_4.
Proposed Response Response Status W	SuggestedRemedy
PROPOSED ACCEPT IN PRINCIPLE.	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."
" the definitions for bit times and pause_quanta can be found in 169.4"	Proposed Response Response Status W
to " the definitions for bit times and pause_quanta can be found in 116.4, 169.4, and	PROPOSED REJECT.
174.4".	The max bin for Clause 184 Inner FEC is 4, and the max bin for Clause 177 Inner FEC is 3. The two sets of bin counters share the same MDIO register sets. The text was correct as
CI 177 SC 177.5.5 P338 L31 # 568	written.
Nicholl, Shawn AMD	C/ 177 SC 177.10 P346 L47 # 571
Comment Type E Comment Status D (Logic) (bucket	Nicholl, Shawn AMD
Current text: "The decoder is expected to correct all codewords with one bit error. It may	Comment Type E Comment Status D (Logic) (bucket
also be able to correct"	In the "Status variable" column of the "Inner_FEC_codeword_error_bin_k (Inner FEC lane
The current sentence, although containing no language that indicates a mandatory requirement, might be interpretted by readers as a requirement.	0)" row of "Table 177-8 Inner FEC status variables and MDIO mapping", it is not obvious what is meant by 'k'.
It is preferred to clarify the language as improved soft-decision decoder performance (gain) may be obtained by an implementation that is not bound by a rule to correct all codewords	Same issue is observed for rows "Inner_FEC_codeword_error_bin_k (Inner FEC lane 1)" through "Inner_FEC_codeword_error_bin_k (Inner FEC lane 7)".
with one bit error	SuggestedRemedy
SuggestedRemedy	Propose that in the "Status variable" column of the "Inner_FEC_codeword_error_bin_k
Referring to 802.3-2022 Sub-Clause "1.1.6 Word usage", perhaps the word "should" provides sufficient clarity.	(Inner FEC lane 0)" row of "Table 177-8-Inner FEC status variables and MDIO mapping" add text "(k = 0 to 4)".
Proposed text: "The decoder should correct all codewords with one bit error. It may also be able to correct"	Propose that in each of rows "Inner_FEC_codeword_error_bin_k (Inner FEC lane 1)" through "Inner_FEC_codeword_error_bin_k (Inner FEC lane 7)" also add the text "(k = 0 to
Proposed Response Response Status W	4)".
PROPOSED ACCEPT.	Proposed Response Response Status W
	PROPOSED REJECT. In Table 177-8 there is a reference to the defintion of the status variable "Inner_FEC_codeword_error_bin_k" (to subclause 177.5.5), and this definition defines the range for k.

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 571

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C/ 184	SC 184.10	P 55	1 <i>L</i> 47	# 572
Nicholl, Sha	wn	AMD		
Comment T	vpe E	Comment Status	D	(Logic) (bucket)

In the "MDIO register/bit number" column of the Inner_FEC_codeword_error_bin_0 row of "Table 184-5 -- Inner FEC status variables and MDIO mapping", the MDIO bit indices are unnecessarily mentioned.

There are only 16 bits in an MDIO register, thus "15:0" is implied and does not need to be mentioned. Also, other rows (eg. test_block_error_bin_0_16p) of the same table don't include the "15:0". Also, Table 177-8 excludes the "15:0" for the exact same MDIO registers.

#### SuggestedRemedy

Propose "MDIO register/bit number" column of the Inner_FEC_codeword_error_bin_0 row of "Table 184-5 -- Inner FEC status variables and MDIO mapping", contain "1.2424," and "1.2425" on two lines.

Same comment for Inner_FEC_codeword_error_bin_1 through Inner_FEC_codeword_error_bin_4.

Proposed Response Response Status W PROPOSED ACCEPT.

C/ 120F S	C 120F.1	P <b>663</b>	L 38	# 573
Nicholl, Shawn		AMD		
Comment Type	E	Comment Status D		(Electrical) (bucket)

The legend for "Figure 120F-1 -- Example 100GAUI-1, 200GAUI-2, 400GAUI-4, 800GAUI-8, and 1.6TAUI-16 C2C relationship to the ISO/IEC Open System Interconnection (OSI) reference model and the IEEE 802.3 Ethernet model" is guite noisy (cluttered).

Readability could be enhanced with a more concise approach.

#### SuggestedRemedy

In the left-hand column of the legend, propose replacing "ATTACHMENT UNIT INTERFACE" with "AUI", replacing "MEDIA INDEPENDENT INTERFACE" with "MII", and replacing "PHYSICAL MEDIUM ATTACHMENT" with "PMA".

In the right-hand column of the legend propose adding "AUI = ATTACHMENT UNIT INTERFACE", adding "MII = MEDIA INDEPENDENT INTERFACE", adding "PMA = PHYSICAL MEDIUM ATTACHMENT".

There are other Figures throughout P802.3dj (especially in the Annexes) whose legend could be improved in a similar manner.

#### Proposed Response Response Status W

PROPOSED REJECT.

Figure 120F-1 exists in the base standard 802.3df and was only modified to add the new 1.6TAUI-16 C2C.

The suggested changes (in 120F and elsewhere in the draft) would make the figures different from numerous similar figures in existing clauses, would require significant editorial work and would not substantically improve the clarity of the figure. Also, the suggested definitions for "AUI" and "MII" are inconsistent with existing definitions of these terms in 1.4.198 and 1.4.393, which are specific to 10 Mb/s and 100 Gb/s, respectively.

	174A.8.1.3	P681	L19	# 574	C/ 174A	SC 174A.8.1	.4	P681	L <b>50</b>	# 575
Nicholl, Shawn		AMD			Nicholl, Shaw	'n		AMD		
Comment Type	TR Co	mment Status D		(Common) (bucket)	Comment Ty	pe TR	Commen	t Status D		(Common) (bucke
- Hm (i)(k) v lane i.		ne is the probability of		rors in a test block for a test block for lane i."	blocks w	th k test syml		k < 16 and a co		the number of test r of test blocks with 16
SuggestedReme	edy				•			0	re simply error co is and total count	ounts, while an earlier
Propose dele 174A.8.1.4 S		e text ("is the is the") a	and align the text	with 174A.8.1.2 and	SuggestedRe	emedy				
Droposo the	following text:				Propose	the following	text:			
FTOPOSE THE	Tollowing text.				Option1	most preferre	ed by commer	nter): Introduce	the term "ratio".	
Option1 (mos	st preferred by c	ommenter): Introduce	the term "ratio".		Proposo	toxt: " aro	17 hin orror h	istograms ropro	conting the ratio	(to total number of test
- Hm (i)(k) v		ne ratio (to total numbe	er of test blocks a	analyzed) of k test	blocks a	alyzed) of tes	st blocks with	k test symbol e	rrors for $k < 16$ a	The ratio (to total number of test and the ratio (to total ymbol errors for $k = 16$ .
- Hm (i)(16)	s in a test block t ) is the ratio (to to st block for lane	otal number of test bloo	cks analyzed) of	16 or more test symbol	Option2	less preferred	d by comment	ter): Retain the	term "probability"	
		mmenter): Retain the t	term "probability"	'.	symbol e		block for k <		presenting the pro pability of 16 or m	bability of k test ore test symbol errors
- Hm (i)(k) v		follows: ne probability of k test y of 16 or more test syn			Proposed Re PROPOS	•	Response IN PRINCIP	Status <b>W</b> LE.		
- – – – – – – – – – – – – – – – – – – –		ponse Status W			Impleme editorial		aligning the w	ording with 174	A.8.1.3) in the su	ggested remedy with
Proposed Respo						00 4744 0 4	-	P682	1 47	
Proposed Respo PROPOSED The current t	ACCEPT IN PR	INCIPLE.			C/ 174A	SC 174A.8.1	.5	F 00Z	L17	# 576
Proposed Respo PROPOSED The current t Proposed op	ACCEPT IN PR text is not incorre ption 2 is more he	INCIPLE. ect after addressing the opful as it relates the d	lefinition to 16 er	rors rather than 15.	C/ <b>174A</b> Nicholl, Shav		.5	AMD	L17	# 576
Proposed Respo PROPOSED The current t Proposed op The H_m is i probability ar	ACCEPT IN PR text is not incorre- ption 2 is more he indeed calculated nd this is the qua	INCIPLE. ect after addressing the elpful as it relates the d d as a ratio per the des lity that we use to dete	lefinition to 16 er sciption in Option ermine the statist	rors rather than 15.	-	'n	-		L17	
Proposed Respo PROPOSED The current t Proposed op The H_m is i probability ar	ACCEPT IN PR text is not incorre- ption 2 is more he indeed calculated nd this is the qua	INCIPLE. ect after addressing the elpful as it relates the d d as a ratio per the des	lefinition to 16 er sciption in Option ermine the statist	rors rather than 15.	Nicholl, Shav Comment Ty Current t	n be <b>ER</b> ext: "For each	Comment lane i, meas	AMD t Status <b>D</b> ure the error his	togram Hm(k) (s	# <u>576</u> ( <i>Common</i> ) (bucket ee 174A.8.1.3) and n(k) rather it defines
Proposed Respo PROPOSED The current t Proposed op The H_m is i probability ar	ACCEPT IN PR text is not incorre- ption 2 is more he indeed calculated nd this is the qua	INCIPLE. ect after addressing the elpful as it relates the d d as a ratio per the des lity that we use to dete	lefinition to 16 er sciption in Option ermine the statist	rors rather than 15.	Nicholl, Shav Comment Ty Current t assign H	n pe <b>ER</b> ext: "For each m(k) to Hm (i)	Comment lane i, meas	AMD t Status <b>D</b> ure the error his	togram Hm(k) (s	(Common) (bucket ee 174A.8.1.3) and
Proposed Respo PROPOSED The current t Proposed op The H_m is i probability ar	ACCEPT IN PR text is not incorre- ption 2 is more he indeed calculated nd this is the qua	INCIPLE. ect after addressing the elpful as it relates the d d as a ratio per the des lity that we use to dete	lefinition to 16 er sciption in Option ermine the statist	rors rather than 15.	Nicholl, Shav Comment Ty Current t assign H Hm(i)(k). SuggestedRe	n be <b>ER</b> ext: "For each m(k) to Hm (i) emedy	Comment lane i, meas	AMD t Status <b>D</b> ure the error his er, 174A.8.1.3 de	togram Hm(k) (s	(Common) (bucket ee 174A.8.1.3) and
Proposed Respo PROPOSED The current t Proposed op The H_m is i probability ar	ACCEPT IN PR text is not incorre- ption 2 is more he indeed calculated nd this is the qua	INCIPLE. ect after addressing the elpful as it relates the d d as a ratio per the des lity that we use to dete	lefinition to 16 er sciption in Option ermine the statist	rors rather than 15.	Nicholl, Shav Comment Ty Current t assign H Hm(i)(k). SuggestedRe Propose	n be <b>ER</b> ext: "For each m(k) to Hm (i) emedy to make the t	Comment I lane i, meas I(k)." Howeve ext more cond	AMD t Status <b>D</b> ure the error his er, 174A.8.1.3 do	togram Hm(k) (s bes not define Hr	(Common) (bucket ee 174A.8.1.3) and
Proposed Respo PROPOSED The current t Proposed op The H_m is i probability ar	ACCEPT IN PR text is not incorre- ption 2 is more he indeed calculated nd this is the qua	INCIPLE. ect after addressing the elpful as it relates the d d as a ratio per the des lity that we use to dete	lefinition to 16 er sciption in Option ermine the statist	rors rather than 15.	Nicholl, Shav Comment Ty Current t assign H Hm(i)(k). SuggestedRe Propose	m be <b>ER</b> ext: "For each m(k) to Hm (i) emedy to make the to d text: "For ea	Comment I lane i, meas I(k)." Howeve ext more cond Ich lane i, mea	AMD t Status <b>D</b> ure the error his er, 174A.8.1.3 do	togram Hm(k) (s bes not define Hr	(Common) (bucke ee 174A.8.1.3) and n(k) rather it defines

C/ 174A	SC	174A.8.1.6	P <b>682</b>	L37	# 577	C/ 1	SC	1.4.92i	P <b>54</b>	L 46	# 580
Nicholl, Sha	awn		AMD			Nicholl, S	Shawn		AMD		
Comment T	уре	ER	Comment Status D		(Common) (bucket)	Commer	nt Type	ER	Comment Status D		(Common) (bucket,
	Hm(k)		ne i, measure the error hist )." However, 174A.8.1.3 dc						he physical coding sublayer c td 802.3, Clause 174.)"	efined in Clau	se 175 for 1.6 Tb/s
SuggestedR	Reme	dy				Prop	ose poin	ting to the	correct Clause number.		
Propose	e to m	ake the tex	t more concise.			Suggest	edRemed	ly			
Propose	ed tex	tt: "For each	lane i, measure the error h	istogram Hm(i)	(k) (see 174A.8.1.3)."				g the physical coding sublaye td 802.3, Clause 175.)"	r defined in Cla	ause 175 for 1.6 Tb/s
Proposed R	Respoi	nse	Response Status W			Propose	d Respor	ise	Response Status W		
			N PRINCIPLE. I remedy with editorial licen	se.		-			IN PRINCIPLE. emedy with editorial license.		
C/ 174A	SC	174A.8.1.7	P683	L <b>2</b>	# 578	C/ 1	SC	1.4.92g	P <b>54</b>	L <b>40</b>	# 581
Nicholl, Sha	awn		AMD			Nicholl, S	Shawn		AMD		
Comment T	ype	ER	Comment Status D		(Common) (bucket)	Commer	nt Type	ER	Comment Status D		(Common) (bucket
SuggestedR Propose Propose Proposed R PROPO	Remed e to m ed tex ed tex Respoi DSED	dy nake the tex tt: "a) For ea tt: "d) hco nse ACCEPT IN	r(He(k), Hm(k)) (see" t more concise. the lane i, measure the erron nv(He(k), Hm(i)(k)) (see <i>Response Status</i> <b>W</b> N PRINCIPLE. d remedy with editorial licen		n(i)(k) (see 174A.8.1.3)."	Clau 1.4.1 802. 1.4.1 802. 1.4.1	02g 1.6TE se 182.) 104a 200 3, Clause 134c 400 3, Clause 84ca 80 3, Clause	GBASE-DR GBASE-E ⇒ 182.) GBASE-E ⇒ 182.) OGBASE- ⇒ 182.)	8-2: IEEE 802.3 Physical Lay R1-2: IEEE 802.3 Physical La R2-2: IEEE 802.3 Physical La DR4-2: IEEE 802.3 Physical I <i>Response Status</i> <b>W</b>	ayer least 2 ayer least 2	km. (See IEEE Std km. (See IEEE Std
C/ 174A	SC	174A.9	P 683	L18	# 579	-			IN PRINCIPLE.		
Nicholl, Sha	awn		AMD			Impl	ement su	ggested i	emedy with editorial license.		
	174A.		Comment Status D tests for 800GBASE-LR1 I Inner FEC sublayers".	SLs", the text o	(Common) (bucket) current says " between						
SuggestedF	Reme	dy									
Propose	e to re	eplace with '	between a pair of 800GE	ASE-LR1 Inne	er FEC sublayers"						
	DSED	ACCEPT IN	Response Status W N PRINCIPLE. hse to comment #108.								

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

contains the The MDIO uggestedRem Propose the	be <b>ER</b> 45.2.1.60c.1 he information D register defi	AMD Comment Status C contains the information n for 1.74.1 register.	on for 1.74.0 register		177.1.3	<i>Type</i> Clause		Cisco Comment Status D hich summarizes the fun the basic detail that it is a		
Currently, 4 contains the The MDIO uggestedRem Propose the 45.2.1.60c.	45.2.1.60c.1 he informatic D register defi <i>medy</i>	contains the information for 1.74.1 register.	on for 1.74.0 register	while 45.2.1.60c.2	Unlike 177.1.3	Clause	e 184.1.3 w	hich summarizes the fun		ses inner FEC, Clause
contains the The MDIO uggestedRem Propose the 45.2.1.60c.	he informatio ) register defi <i>medy</i>	n for 1.74.1 register.	-		177.1.3					
uggestedRem Propose the 45.2.1.60c.	medy	nitions sections are typ	ically ordered from bi	it and to hit 0						8 8
Propose the 45.2.1.60c.	2				For rea the rea		y and cons	istency these two subcla	uses should provid	de similar information to
45.2.1.60c.		ext:			Suggested	Remed	dy			
the informa		ntain the information fo	r 1.74.1 register. 45.	.2.1.60c.2 should contain	In clau is BCH			le the description that the	at the inner FEC er	ncoding for Clause 177
	nation for 1.74	.0 register.			Proposed I	Respor	nse	Response Status W		
In other wo	ords, it shoul	d read as follows:			PROP	OSED	ACCEPT.			
45.2.1.60c.	c.1 800GBAS	E-ER1 ability (1.74.1)			C/ 174A	SC	174A.8.1.2	P681	L <b>3</b>	# 586
When read	id as a one, h	it 1.74.1 indicates as	a 800GBASE-ER1 [	PMA/PMD type. When	Shrikhande	e, Kapil	I	Marvell		
		.1 indicates as a 800			Comment	Туре	т	Comment Status D		(Common) (bucket
When read	id as a one, b	E-ER1-20 ability (1.74. it 1.74.0 indicates as	a 800GBASE-ER1-2		equiva	lently, from 6	10 consecu PAM4 sym	AM4 symbols" is clear, b utive bits" which could be bols. I believe we want it	confusing since 1	0 consecutive bits could
		oit 1.74.0 as a 800GI	3ASE-ER1-20 PMA/F	PMD type.			•	be "Test symbols are de	fined on non-over	opping groups of F
	ED REJECT.					cutive F	PAM4 symb	pols", period. I.e. remove		
The sugges remedy.	ested remedy	does not provide suffic	cient justification to su	upport the suggested	Proposed I	Respor	nse	Response Status W		
,	a from bit 0 t	o bit <n> makes it easie</n>	er for future amendm	ents to add new ability				N PRINCIPLE.		
bits.	9				There PAM4 PAM4 Chang symbo consec	is som symbo symbo le: "Tes ls or, e cutive b est sym	e ambiguity ols is 10 bits ols. st symbols equivalently, bits." nbols are de	/ in the wording. Howeve s since the error checker are defined as non-overla	is working with bit	s, not directly with

C/ 178B	SC 178B.5.1	P <b>788</b>	L <b>21</b>	# 587	C/ 179B SC	C 179B	P 823	L 39	# 602
Shrikhande,	, Kapil	Marvell			Kocsis, Sam		Ampheno	bl	
Comment Ty	<i>уре</i> <b>т</b>	Comment Status D		(Common) (bucket) ILT	Comment Type	ER	Comment Status D		(Electrical) (bucket
		d before this term is used. m			Flip the ordeclauses.	er of polynoi	mial from decreasing to	increasing to alig	n formatting with older
SuggestedR	Remedy				SuggestedRem	edy			
Define r 178B.8.		r clarify that this variable is s	ame as receive	er ready defined in			9B-1, -2, -3, -4, -5		
Proposed R		Response Status W			Proposed Resp		Response Status W		
•	DSED ACCEPT I	•			PROPOSEI	D ACCEPT.			
Change	e: "waiting for eith	her rx_ready or remote_rts to			C/ 178B SC	C 178B.14.3	8.5 <i>P</i> 810	L 45	# 629
To: "wai	iting for either lo	cal_rts or remote_rts (see 1	78B.14.2.1) to a	change"	Law, David		HPE		
C/ 174A	SC 174A.3	P <b>677</b>	L35	# 590	Comment Type	Е	Comment Status D		(Common) (bucket) IL
Shrikhande,	, Kapil	Marvell			Subclause	178B.14.1 'S	State diagram conventio	ns' says that 'The	notation used in the state
Comment Ty	ype T	Comment Status D		(Common) (bucket)			nventions of 21.5.'. Tab racter as 'Not equals'.	le 21–1 'State dia	gram operators' defines
Switch t path". S service	to End host). She Since the error al interface of the o	twork path may mean a mult ould search for a more desc llocation is from the PLS sen other RS, suggest using "RS	i-hop network p riptive term to u vice interface o S-to-RS" ? or M	use instead of "network f one RS to the PLS AC-to-MAC ? This is	0'.	text 'max_r	-	read 'max_recove	ry_events [not equal sign]
Switch t path". S service i similar t SuggestedR	to End host). She Since the error al interface of the to PHY-to-PHY, Remedy	twork path may mean a mult ould search for a more desc llocation is from the PLS sen other RS, suggest using "RS PCS-to-FEC, etc. terminolog	i-hop network p riptive term to u vice interface o S-to-RS" ? or M. gy used in other	ath (e.g. End Host to use instead of "network f one RS to the PLS AC-to-MAC ? This is	Change the	text 'max_r	Response Status W	ead 'max_recove	ry_events [not equal sign]
Switch t path". S service i similar t SuggestedR Replace	to End host). Sh Since the error al interface of the to PHY-to-PHY, <i>Remedy</i> e "network path"	twork path may mean a mult ould search for a more desc llocation is from the PLS sen other RS, suggest using "RS PCS-to-FEC, etc. terminolog in the subclause title with "F	i-hop network p riptive term to u vice interface o S-to-RS" ? or M. gy used in other	ath (e.g. End Host to use instead of "network f one RS to the PLS AC-to-MAC ? This is	Change the 0'. Proposed Resp PROPOSEI	text 'max_r	Response Status W	read 'max_recove	ry_events [not equal sign] # <u>630</u>
Switch t path". S service similar t SuggestedR Replace Proposed R	to End host). Sh Since the error al interface of the to PHY-to-PHY, Remedy e "network path" Response	twork path may mean a mult ould search for a more desc llocation is from the PLS sen other RS, suggest using "RS PCS-to-FEC, etc. terminolog in the subclause title with "R Response Status W	i-hop network p riptive term to u vice interface o S-to-RS" ? or M. gy used in other	ath (e.g. End Host to use instead of "network f one RS to the PLS AC-to-MAC ? This is	Change the 0'. Proposed Resp PROPOSEI	text 'max_r onse D ACCEPT.	Response Status W		
Switch t path". S service similar t SuggestedR Replace Proposed R PROPO Ultimate RS-FEC	to End host). Sh Since the error al interface of the to PHY-to-PHY, Remedy e "network path" Response OSED ACCEPT I e the path is from C.	twork path may mean a mult ould search for a more desc llocation is from the PLS sen other RS, suggest using "RS PCS-to-FEC, etc. terminolog in the subclause title with "R Response Status W	i-hop network p riptive term to u vice interface o S-to-RS" ? or M gy used in other RS-to-RS".	ath (e.g. End Host to use instead of "network f one RS to the PLS AC-to-MAC ? This is r sections of this annex.	Change the 0'. Proposed Resp PROPOSEI Cl 178B SC Law, David Comment Type Subclause diagrams fo	text 'max_r onse D ACCEPT. C 178B.14.3 E 178B.14.1 'S Ilows the co	Response Status W <b>3.5</b> P <b>810</b> HPE Comment Status D State diagram conventio	L 46 ns' says that 'The le 21–1 'State dia	# 630 (Common) (bucket) IL e notation used in the state ligram operators' defines
Switch t path". S service similar t SuggestedR Replace Proposed R PROPO Ultimate RS-FEC	to End host). Sh Since the error al interface of the to PHY-to-PHY, Remedy e "network path" Response OSED ACCEPT I e the path is from C.	twork path may mean a mult ould search for a more desc llocation is from the PLS sen other RS, suggest using "RS PCS-to-FEC, etc. terminolog in the subclause title with "R <i>Response Status</i> <b>W</b> IN PRINCIPLE. n MAC to MAC. Also, RS ca	i-hop network p riptive term to u vice interface o S-to-RS" ? or M gy used in other RS-to-RS".	ath (e.g. End Host to use instead of "network f one RS to the PLS AC-to-MAC ? This is r sections of this annex.	Change the 0'. Proposed Resp PROPOSEI Cl 178B SC Law, David Comment Type Subclause diagrams fo the use of th	text 'max_r onse D ACCEPT. C 178B.14.3 E Ilows the co he [greater t	Response Status W 3.5 P810 HPE Comment Status D State diagram convention inventions of 21.5.'. Tab	L 46 ns' says that 'The le 21–1 'State dia	# 630 (Common) (bucket) IL e notation used in the state ligram operators' defines
Switch t path". S service similar to SuggestedR Replace Proposed R PROPO Ultimate RS-FEC Change C/ <b>174A</b> Shrikhande,	to End host). Sh Since the error al interface of the to PHY-to-PHY, Remedy e "network path" Response DSED ACCEPT I e the path is from C. e "network path" SC 174A.5 , Kapil	twork path may mean a mult ould search for a more desc llocation is from the PLS sen other RS, suggest using "RS PCS-to-FEC, etc. terminolog in the subclause title with "F <i>Response Status</i> <b>W</b> IN PRINCIPLE. n MAC to MAC. Also, RS ca to MAC-to-MAC path. <i>P</i> 678 Marvell	i-hop network p riptive term to u vice interface o S-to-RS" ? or M gy used in other RS-to-RS". n easily be misi	# 1000000000000000000000000000000000000	Change the 0'. Proposed Resp PROPOSEI Cl 178B SC Law, David Comment Type Subclause diagrams fo the use of th SuggestedRem Change the	text 'max_r onse D ACCEPT. C 178B.14.3 E 178B.14.1 'S llows the co he [greater t edy text 'recove	Response Status W 3.5 P810 HPE Comment Status D State diagram convention inventions of 21.5.'. Tab han or equal sign] chara rry_event_count >= max	L 46 ns' says that 'The le 21–1 'State dia acter as 'Greater t _recovery_events	# 630 (Common) (bucket) IL e notation used in the state gram operators' defines han or equal to'. s' to read
Switch t path". S service i similar t SuggestedR Replace Proposed R PROPO Ultimate RS-FEC Change	to End host). Sh Since the error al interface of the to PHY-to-PHY, Remedy e "network path" Response DSED ACCEPT I e the path is from C. e "network path" SC 174A.5 , Kapil	twork path may mean a mult ould search for a more desc llocation is from the PLS sen other RS, suggest using "RS PCS-to-FEC, etc. terminolog in the subclause title with "F <i>Response Status</i> <b>W</b> IN PRINCIPLE. n MAC to MAC. Also, RS ca to MAC-to-MAC path. P678 Marvell <i>Comment Status</i> <b>D</b>	i-hop network p riptive term to u vice interface o S-to-RS" ? or M gy used in other RS-to-RS". n easily be misi	ath (e.g. End Host to use instead of "network f one RS to the PLS AC-to-MAC ? This is r sections of this annex.	Change the 0'. Proposed Resp PROPOSEI Cl 178B SC Law, David Comment Type Subclause diagrams fo the use of th SuggestedRem Change the 'recovery_e Proposed Resp	E 178B.14.1 'S Illows the co he [greater t edy text 'recover vent_count   onse	Response Status W .5 P810 HPE Comment Status D State diagram convention inventions of 21.5.'. Tab han or equal sign] chara ry_event_count >= max [greater than or equal sign] Response Status W	L 46 ns' says that 'The le 21–1 'State dia acter as 'Greater t _recovery_events	# 630 (Common) (bucket) IL e notation used in the state gram operators' defines han or equal to'. s' to read
Switch t path". S service i similar t SuggestedR Replace Proposed R PROPO Ultimate RS-FEC Change C/ <b>174A</b> Shrikhande, Comment Ty Cross re SuggestedR	to End host). Sh Since the error al interface of the to PHY-to-PHY, Remedy e "network path" Response DSED ACCEPT I e the path is from C. a "network path" SC 174A.5 , Kapil Type E eference to 1744	twork path may mean a mult ould search for a more desc llocation is from the PLS sen other RS, suggest using "RS PCS-to-FEC, etc. terminolog in the subclause title with "F <i>Response Status</i> <b>W</b> IN PRINCIPLE. n MAC to MAC. Also, RS ca to MAC-to-MAC path. P678 Marvell <i>Comment Status</i> <b>D</b>	i-hop network p riptive term to u vice interface o S-to-RS" ? or M gy used in other RS-to-RS". n easily be misi	# 1000000000000000000000000000000000000	Change the 0'. Proposed Resp PROPOSEI C/ 178B SC Law, David Comment Type Subclause diagrams fo the use of th SuggestedRem Change the 'recovery_e	E 178B.14.1 'S Illows the co he [greater t edy text 'recover vent_count   onse	Response Status W .5 P810 HPE Comment Status D State diagram convention inventions of 21.5.'. Tab han or equal sign] chara ry_event_count >= max [greater than or equal sign] Response Status W	L 46 ns' says that 'The le 21–1 'State dia acter as 'Greater t _recovery_events	# 630 (Common) (bucket) IL e notation used in the state gram operators' defines han or equal to'. s' to read

C/ 178B SC 178B.14	3.1 P808	L <b>2</b>	# 631	C/ 186 SC 186.4	.2.1 P610	L 35	# 636
_aw, David	HPE			Law, David	HPE		
Comment Type E	Comment Status D		(Common) (bucket) ILT	Comment Type T	Comment Status D		(Logic) (bucket)
Туро.					AW field lock state diagram req		
SuggestedRemedy				—	h Figure 186–16 '800GBASE-EF	R1 PMA FAW field	d lock state diagram'.
Change ' variable that	at is set to TRUE when' to	o read ' varia	ble that is set to true when	SuggestedRemedy			
					e SLIP requested by the FAW fi SLIP requested by the FAW fiel		should be changed to
Proposed Response	Response Status W			Proposed Response	Response Status W		
PROPOSED ACCEPT				PROPOSED ACCE	,		
C/ 178B SC 178B.14.	2.4 <i>P</i> 805	L1	# 633	. <u></u>			
Law, David	HPE			C/ 184 SC 184.7	7.2.2 P547	L <b>2</b>	# 637
Comment Type E	Comment Status D		(Common) (bucket) ILT	Law, David	HPE		
Change the title of sub	clause 178B.14.2.4 'State d	liagram figures	' to read 'State diagram	Comment Type T	Comment Status D		(Logic) (bucket)
	nly one state diagram figure				DSP frame lock state diagram te in Figure 184–9—DSP 'lock s		SLIP, not a SLIP (see
SuggestedRemedy				SuggestedRemedy			
See comment.					SLIP requested by the DSP fr		should be changed to
Proposed Response	Response Status W			—	SLIP requested by the DSP fran	ne lock state'.	
PROPOSED ACCEPT				Proposed Response PROPOSED ACCE	Response Status W		
C/ 178B SC 178B.15	P813	L 50	# 635				
Law, David	HPE						
Comment Type E	Comment Status D		(Common) (bucket) ILT				
Suggest that the text 'I two sentences.	Bit reference is provided for	lane 0, bits for	lanes 1 to 3' is split into				
SuggestedRemedy							
ouggesteurterneug	is provided for lane 0, bits for	or lanes 1 to 3	' to read 'Bit reference is				
	s for lanes 1 to 3'						
Change 'Bit reference	s for lanes 1 to 3' Response Status W						

C/ 178	SC 178.2	P <b>357</b>	L <b>5</b>	# 638	C/ 179	SC 179.2	P387	L <b>46</b>	# 639
Li, Mike		Altera (An Inte	el compnany)		Li, Mike		Altera (An Inte	el compnany)	
1.) BE 2.) Me FEC n signal to use 3.) Ma not 8e 4.) with spec. 5.) Co Instea	rigure 174A-5, Radded is the Bl asured sublayer nust be included must be encode PMA-based bloo by the measured of according to C h Table 174A-2, nsidering all of th d, it should be 86	ER contribution outside of the link is PCS-to-PCS including in the PHY-based measurem d (compared with the incomir ck error measurement). link have xMII extender outsid	e measured sub PMD and FEC nent. To use FE ng signal does de this sublaye (if used) is not p r CL-178.2 sho	2. Both TX-FEC and RX- EC decoder, the incoming not need to be encoded r link (its BER budget is part of CER < 1.45e-11 uld not be simple 8e-6.	1.) BE 2.) Me FEC r signal to use 3.) Ma not 8e 4.) wit spec. 5.) Co Instea	to figure 174A-5 Radded is the B easured sublayer nust be included must be encode PMA-based blo ay the measured e-6 according to 0 h Table 174A-2, unsidering all of th d, it should be 8	ER contribution outside of the r link is PCS-to-PCS including l in the PHY-based measurem ed (compared with the incomin ck error measurement). link have xMII extender outsic	measured sub PMD and FEC ent. To use FE g signal does le this sublaye if used) is not p CL-179.2 sho	Both TX-FEC and RX- C decoder, the incoming not need to be encoded r link (its BER budget is part of CER < 1.45e-11 uld not be simple 8e-6.
	e the BERsdded	value from 8e-6 to 8e-6 * Nu r link between the two ends M		_SubLayerLink outside of		e the BERsdded	d value from 8e-6 to 8e-6 * Nu r link between the two ends M		SubLayerLink outside of
Proposed PROP	Response POSED REJECT.	Response Status W			Proposed PROF A PH AUI-C C2C ii	Response POSED REJECT Y receiver needs 2C. The expecte	Response Status W to interoperate with a link part of block error ratio accounts for r. This is a general expectation	tner that may c or possible add	itional errors in an AUI-
					Cl 178 Swenson,	SC <b>178.9.2</b> Norman	P <b>361</b> Nokia, Point2	L <b>48</b>	# 641
					Comment The se define	entence states th	Comment Status <b>D</b> hat specifications must be met	t at TP0v, but ⊺	<i>(Electrical) (bucket)</i> IP0v has not yet been
						,	to "The transmitter on each lai given"	ne shall meet t	he specifications at
						Response	Response Status W		

PROPOSED ACCEPT.

C/ 178	SC 178.9.2.1	P 362	L <b>49</b>	# 642
Swenson,	Norman	Nokia, Point2		
Comment	Type ER	Comment Status D		(Electrical) (bucket)
shown		ansmitter are made at the ou ind described in Annex 163A , which it is not.		
Suggested	IRemedy			
the ou	e to "the transmitt tput of a test fixtur in Figure 178–3."	er is measured using the me e (TP0v) as	thodology des	cribed in Annex 163A at
Proposed	Response	Response Status W		
PROP	OSED ACCEPT.			
C/ 178	SC 178.9.2.1	P362	L 49	# 643
Swenson,	Norman	Nokia, Point2		
Comment	Type TR	Comment Status D	buck	et) Tx measurement filter
Suggested	Remedy	ble here, or should Clause 17	'8A be used ir	istead?
	e clarify.			
The m	OSED REJECT. ethodology of Anr	Response Status W ex 163A is aapplicable where able for measuring transmitt		is currently referred to.
C/ 178	SC 178.9.2.1	P <b>362</b>	L 49	# 644
Swenson,	Norman	Nokia, Point2		
Comment	Type ER	Comment Status D		(Electrical) (bucket)
examp physic fixture referer	ole test fixture. A c al test fixture, or p . Annex 163B give	is described in Annex 163B. description of an example tes erhaps a description of a pos es example electrical charact calculated. (I am not certain	t fixture would sible impleme eristics for a t	be a drawing of a entation of an example est fixture for which
Suggested	IRemedy			
	e to " Annex 163E nce values can be	gives example electrical cha calculated."	aracteristics of	a test fixture for which
Proposed	Response	Response Status W		
PROP	OSED ACCEPT.			

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

C/ 179	SC 179.5	P3	88	L <b>41</b>	# 645
Swenson,	Norman	Nokia	, Point2		
Comment	Type ER	Comment Status	D		(Electrical) (bucket)
	erm "pervasive ma ed anywhere in the		have a	plain and ordina	ary meaning, nor is it
Suggeste	dRemedy				
Eithei	drop the word "pe	ervasive" or provide a	a definitio	on of "pervasive	management".
Proposed	Response	Response Status	w		
The p Howe simpli Chan "the ir electr to	ver, the word "per ified. ge from nplementer may e ical signal"	is consistent with se vasive" does not see employ use of pervas	m to be	necessary, and agement or emp	the sentence can be
C/ 179	SC 179.8.1	P3	<b>90</b>	L <b>26</b>	# 646
Swenson,	Norman	Nokia	, Point2		
Comment	Type <b>TR</b>	Comment Status	D		(Electrical) (bucket)

TP1 is described as the cable assembly input. I believe it is not the cable assembly input, but rather the input to the cable assembly test fixture that feeds the cable assembly input.

### SuggestedRemedy

Change the description of TP1 to "The input of the cable assembly test fixture that feeds the cable assembly input."

#### Proposed Response Response Status W

PROPOSED REJECT.

The description of TP1 is "The cable assembly input (corresponding to MDI signals SLi and SLi<n>) on a cable assembly test fixture".

The test fixture is already addressed and there is no ambiguity.

The proposed wording change does not improve the technical clarity or accuracy of the text.

Comment ID 646

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00 470 00 470 0 4									
C/ 179 SC 179.8.1	P 390	L28	# 647	C/ 179	SC 179.8.	1	P 390	L32	# 649
Swenson, Norman	Nokia, Point2			Swenson, N	orman	Ν	lokia, Point2		
Comment Type TR	Comment Status D		(Electrical) (bucket)	Comment T	/pe TR	Comment St	atus D		(Electrical) (bucket)
of the TP2 or TP3 test	ne host output. I believe it is not t fixture that is fed by thost output		out, but rather the output	output,		the cable assembly e output of the cable			
SuggestedRemedy					, ,				
Change the descriptio the host output."	n of TP2 to "The output of the T	TP2 or TP3 tes	t fixture that is fed by	0	the descrip		output of the c	cable assemb	y test fixture that is fed
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉				able assem				
PROPOSED REJECT				Proposed R	esponse	Response Sta	tus <b>W</b>		
SLi <n>) on a TP2 or T The test fixture is alrea</n>	2 is "The host output (correspor "P3 test fixture". ady addressed and there is no a g change does not improve the t P390	ambiguity.		The des DLi test fixtu The test	and DLi <n> ire". fixture is al</n>	P4 is "The cable as on a cable assemi ready addressed ar	d there is no a	ambiguity.	ing to MDI signals ty or accuracy of the text.
Swenson, Norman	Nokia, Point2	200	11 040			0 0	•		<u> </u>
Comment Type TR	Comment Status D		(Electrical) (bucket)	C/ 179	SC 179.8.	1	P 390	L37	# 650
51	ne host input. I believe it is not t	the hest input	,,,,,,	Swenson, N	orman	Ν	lokia, Point2		
	ture that is feeds the host input			Comment T	/pe ER	Comment St	atus <b>D</b>		(Electrical) (bucket)
						en TP0d to TP5d" is it should be "from "			t should be "between
,			e		,			•	
Change the descriptio	n of TP3 to "The input of the TF	P2 or TP3 test	fixture that feeds the	SuggestedF	emedy				
Change the descriptio host input."		P2 or TP3 test	fixture that feeds the	00	-	TP0d and TP5d"			
	Response Status W	P2 or TP3 test	fixture that feeds the	00	to "betweer				

C/ 179	SC 1	79.9.4.1.1		P 395	L 47	# 651	C/ 179A	SC 179A.4	P818	L37	# 656
wenson,	Norman			Nokia, Point2			Swenson, N	orman	Nokia, Point2		
omment	Туре	ER	Comment S	tatus D		(Electrical) (bucket)	Comment T	ype TR	Comment Status D	ctric	al) (bucket) LInk Diagra
			f the transmit mentioned.	equalizer" is n	ot well defined,	as no list of required			nel loss is to include the mate which is ambiguous.	d host/cable co	onnector. But the text
Suggested	dRemedy	,					SuggestedF	Remedy			
Clarify	/						Change	"host connecto	or" to "mated host/cable conne	ector".	
roposed	Respons	e	Response St	atus W			Proposed R	esponse	Response Status W		
equaliz Delete paragr transm	zer, so "fe the word raph of of nit equaliz	or each" is ds "For ea f 179.9.4.1	s not adequat ch configurati .1, and appe " to the first p	e. on of the transr nd the words "fo	nit equalizer" fi	of the transmit rom the second nfiguration of the	includes host de This is a	the host conne signer cannot c an informative a	provided as a recommendatic ector up to the mating point, b ontrol. annex; the host channel insert asured. Thus, the exact "endp	out not the cable ion loss is not a	e connector, which the a specification and is
•				Daaa	1.4	# 050	C/ 179A	SC 179A.4	P 818	L 53	# 657
/ 179		79.9.4.1.1		P 396	L <b>1</b>	# 652	Swenson, N	orman	Nokia, Point2		
clear. uggested Clarify roposed PROP	Type bute the I dRemedy Respons POSED A	e CCEPT IN	Comment S	" using what se	tting for the eq	<i>(Electrical) (bucket)</i> ualizer? This is not	SuggestedF Change Proposed R PROPC The exis	nge(dB) for Hos Remedy 18.5 to 18.95 esponse			al) (bucket) Link Diagra
	5						C/ 179B	SC 179B.2.1	P 824	L12	# 659
							Swenson, N	orman	Nokia, Point2		
							Comment T Curve la		Comment Status <b>D</b> tent with the text.	trica	l) (bucket) CR test fixtu
							SuggestedF Change	Remedy ILdd_{catf} to I	Ldd_{catfref}		
									Response Status W		

C/ 186	SC 18	6.4.3	P618	L17	# 661	C/ 186	SC 186.4.3	
Law, Davi	b		HPE			Law, David	ł	
Comment	Туре Т	Г	Comment Status D		(Logic) (bucket)	Comment	Type E	С
that:	0		the '800GBASE-ER1 FEC F			diagra	ause 186.4.1 'S ms follows the ause 21.5 define	conver
[2] Th fam_b	e conditior ad_count	n from th = 5.	he GET_BLOCK state to the he INVALID_FAM state to the	e 5_BAD state s	should be	Suggested Chang	<i>Remedy</i> ge the five insta	inces o
•••		n from th	ne COMP_2ND state to the 2	2_GOOD state s	should be fam_match.	Proposed	Response	Re
Suggester	-					PROP	OSED ACCEP	ΡT.
Chang	je:					C/ 186	SC 186.4.3	
[1] Th test fa		OCK st	ate to the FIND_1ST state to	ransition condition	on from test_amp to	Law, David	t	
[2] Th	e INVALID		state to the 5_BAD state trar	nsition condition	from amp_bad_count =	Comment	Type E	С
	natch.	2ND sta	te to the 2_GOOD state trar Response Status W	nsition condition	from amp_match to	diagra subcla	ause 186.4.1 'S ms follows the ause 21.5 define r equal to'.	conver
, PROF	, POSED AC	CEPT.				Suggested	Remedy	
C/ 186	SC 18	6.4.3	P619	L <b>9</b>	# 662		e the text 'zero 186–20 '800G	
Law, Davi	d		HPE			Proposed	Response	Re
Comment	Туре Т	Г	Comment Status D		(Logic) (bucket)	PROP	OSED ACCEP	PΤ.
variab		as_resta	GBASE-ER1 FEC multi-fram rt, but only fec_mfas_restan			C/ 186	SC 186.4.3	;
		.Z.I Va	Inables.			Law, David	t	
Suggester					for mostout look in	Comment	Type E	С
	e 186–19, o		instances of fec_mfas_resta ge fec_mfas_restart_lock to			diagra	ause 186.4.1 'S ms follows the ause 21.5 define	conver
Proposed	Response	•	Response Status W			Suggested	Remedy	
			N PRINCIPLE. s suggested.			the sta	ge the five insta ates in Figure 1 m' to use the [l	86–20

P620 L4 # 663 HPE Comment Status D (Logic) (bucket)

diagram conventions' says 'The notation used in the state entions of 21.5.'. Table 21–1 'State diagram operators' in use of the [equal sign] character as ' Equals (a test of equality)'.

of the text '... == ...' in Figure 186-20 to read '... = ...'.

Response Status W

C/ 186	SC 186.4.3.	P <b>620</b>	L <b>39</b>	# 664
Law, David		HPE		
Comment Ty	rpe E	Comment Status D		(Logic) (bucket)

diagram conventions' says 'The notation used in the state entions of 21.5.'. Table 21-1 'State diagram operators' in use of the [greater than or equal sign] character as 'Greater

_cnt >= 5' to read 'zero_aml_cnt [greater than or equal sign] 5' in -ER1 FEC Alignment marker location state diagram'.

Proposed Response	Response Status	W	
PROPOSED ACCEPT.			

C/ 186	SC 186.4.3	P620	L <b>23</b>	# 665
Law, David		HPE		
Comment	Туре Е	Comment Status D		(Logic) (bucket)

liagram conventions' says 'The notation used in the state entions of 21.5.'. Table 21–1 'State diagram operators' in use of the [left arrow] character as the 'Assignment operator'.

of the use of the characters '<=' as the assignment operator in 0 '800GBASE-ER1 FEC Alignment marker location state row] character.

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 116 SC 116.3.2	P156	L14	# 671	C/ 116	SC 116.5	P168	L <b>9</b>	# 674
Dawe, Piers	Nvidia			Dawe, Pier	S	Nvidia		
Comment Type T Con	nment Status D		(Common) (bucket)	Comment	Гуре Е	Comment Status D		(Common) (bucket,
Now that we are used to these	generic primitives, th	ne IS_ is redund	ant		GBd PMD lan			
SuggestedRemedy						lane signaling rate		
Remove it, so that we have e.g	g. PMA:UNITDATA_i.	request. This m	nay need a maintenance	Suggested		at lane signaling rate (3 times, p	rocumphly not	t for 112 1275 CPd)
request. Proposed Response Resp	ana Ciatur IV				Table 169-6.	at latte signaling late (5 times, p	resultably not	(10) 113.4373 ODu).
PROPOSED REJECT.	oonse Status W			Proposed I	Response	Response Status W		
The "IS_" prefix on these primi Although it is not strictly neces information. Within this project Ethernet. Making changes for therefore cause more problem clarity or accuracy of the draft.	sary, as the commen t it is not possible to c 1.6T would make the s than it solves. The	t points out, it d hange this for 2 naming inconsi	oes provide extra 00G, 400G, or 800G stent and would	The co except "lanes' Implen	mment is poin ed) are relevar	PT IN PRINCIPLE. Iting out that the columns and re- to AUI lanes as well as PMD ested remedy with editorial licen 16, 169]	lanes, so it sh	
C/ 116 SC 116.3.2	P157	L <b>6</b>	# 672	C/ 119	SC 119.2.1	P174	L <b>9</b>	# 675
Dawe, Piers	Nvidia			Dawe, Pier	S	Nvidia		
Comment Type E Con	nment Status D		(Common) (bucket)	Comment	Гуре Е	Comment Status D		(Logic) (bucket
Primitives for other instances,	of inter-sublayer inter	faces, are		data-u	nits			
SuggestedRemedy				Suggested	Remedy			
Too many commas				data u	nits			
Proposed Response Resp	oonse Status W			Proposed I	Response	Response Status W		
PROPOSED ACCEPT IN PRI				PROP	OSED ACCEP	PT IN PRINCIPLE.		
Remove both commas using a Implement with editorial licens		-				published draft in the context of reas other clauses use "data-un		
C/ 116 SC 116.3.3.3.1	P161	L16	# 673	In the	second senten	ce of 119.2.1 change "data unit	s" to "data-uni	its" to be consistent with
Dawe, Piers	Nvidia					119.2.1, and with the rest of sub		
Comment Type <b>TR</b> Con communication *with* lower	nment Status D sublayer	ILT	service interface (bucket)					
SuggestedRemedy								
I think this means from, not with	th. Needs clarification	n.						
Proposed Response Resp PROPOSED REJECT.	oonse Status W							

C/ 120	SC 120.1.4	P184	L11	# 677	C/ 169	SC 1	69.2.4a	P 189	L <b>47</b>	# 679
Dawe, Pier	s	Nvidia			Dawe, Piers	s		Nvidia		
Comment T	Type <b>TR</b>	Comment Status D		(Logic) (bucket)	Comment 7	Гуре	E	Comment Status D		(Common) (bucket)
Confus	sion between ou	tput and transmit side (possib	oly also in items	5 and 6)				ent Unit Interface (800GAUI		300GAUI-n is defined for
Suggested	Remedy						,	nip-to-module (C2M) implem s* specified in Annex 120F a		6C
		rate range for a PMA outp	out" to " the sign	aling rate range in the				s* specified in Annex 120G		
	it direction for a				Suggested	Remedy	/			
Proposed F		Response Status W						nt Unit Interface (800GAUI-i	,	JI-n is defined for chip-to-
	OSED REJECT	to an xAUI-n in the same "pa	ekago" as the P					odule (C2M) implementatio		nnov 1760
		smit direction. The text is cor	0				00GAUI-n	C2C are specified, in Anne C2M are	X 120F and A	lillex 176C.
C/ 169	SC 169.1.3	P186	L10	# 678	Proposed F	Respons	se	Response Status W		
Dawe, Pier		Nvidia	210	# 070	-		EJECT.			
Comment 7		Comment Status D		(Common) (hugkat)	The tex than "a		erring to a p	particular type, not an instar	ice, of an xGA	UI-n, thus "the" rather
	51		t introduces the	(Common) (bucket)			aragraph c	learly states that there are t	wo implement	ation types and the last
		they all are, it's in the text that ordy; it uses sentence constr			two par	ragraphs	s clear indi	cate where one might find t	he specificatio	ons.
make a	a start.				The pro	oposed	changes d	o not improve the clarity or	accuracy of the	e draft.
Suggested	Remedy				C/ 169	SC 1	69.2.4b	P190	L3	# 680
Change	e "800 Gb/s PH	Y using" to "Uses"			Dawe, Piers	S		Nvidia		
Proposed F	Response	Response Status W			Comment 1	Гуре	Е	Comment Status D		(Common) (bucket)
	OSED REJECT	-			In the t	itle: FEC	C sublayer	-> plural, or spell them out		
		complete definition of a PHY ports 800 Gb/s data rate. The			Suggested	Remedv	,			
,		for previously defined PHY ty			00			800GBASE-LR1 Inner FE	C and 800GBA	ASE-ER1 FEC sublavers
,			. ,				= •			- · · · · · · · · · · · · · · · · · · ·

#### Proposed Response Response Status W

#### PROPOSED REJECT.

The subclause defines a general category of FEC sublayers, similar to the way 169.2.4a defines a set of two 800GAUI-n types. It is clear when reading the content of the subclause that there are multiple types as listed in the suggested remedy.

The proposed change does not improve the clarity or accuracy of the draft.

Comment ID 680

	SC 169.3.2	P 191	L17	# 682
Dawe, Pier	rs	Nvidia		
<i>Comment</i> missin	51	Comment Status <b>D</b> HY 800GXS above isn't calle	ed the PMA ser	(Common) (bucket) vice interface
S <i>uggested</i> Insert	<i>IRemedy</i> comma			
	, OSED ACCEPT	Response Status W IN PRINCIPLE. "800GXS" and "above".		
C/ 170	SC 170.1	P <b>202</b>	L12	# 683
Dawe, Pier	rs	Nvidia		
	51	Comment Status <b>D</b> characteristics of the Recon	ciliation Sublay	<i>(Logic) (bucket)</i> er (RS) *The* RS,
	b/s and 1.6 Tb/s <i>Response</i>	Gb/s Reconciliation Sublaye	r (RS) for	
The te 106, a		cs" is consistent with language ment does not provide suffic		
The te 106, a	rm "characteristic nd 117. The com			
The te 106, a sugge	rm "characteristic nd 117. The com sted change. SC <b>170.4.3</b>	ment does not provide suffic	ient justification	to support the
The te 106, a sugges C/ <b>170</b> Dawe, Pier Comment	rm "characteristii nd 117. The com sted change. SC <b>170.4.3</b> rs <i>Type</i> <b>TR</b>	ment does not provide suffic	ent justification	to support the # <u>684</u> (Logic) (bucket)
The te 106, a sugge C/ <b>170</b> Dawe, Piel Comment There Suggested	rm "characteristic nd 117. The com sted change. SC <b>170.4.3</b> rs <i>Type</i> <b>TR</b> should be major	ment does not provide suffic P <b>207</b> Nvidia Comment Status <b>D</b>	ent justification	to support the # <u>684</u> (Logic) (bucket)

C/ 171	SC 1	71.3.3	P 216	L <b>2</b>	# 686	
Dawe, Piers			Nvidia			
Comment Ty	rpe	т	Comment Status D		(Logic) (bucket)	
average	data r	ate on the	e 800GMII - there are two	800GMIIs.	Similarly in 171.3.3a	
SuggestedRe	emedy	/				

the average data rate across the 800GMII in the PHY 800GXS Similarly in 171.3.3  $\,$ 

Proposed Response Response Status W

PROPOSED REJECT.

It is evident from the fact that this note is in subclause 171.3.3 that it is referring to the 800GMII below the PHY 800GXS and not the 800GMII below the RS. The same applies to the note in 171.3.3a, which applies to the 1.6TMII below the PHY 1.6TXS.

C/ 171	SC 171.3.3a	P <b>216</b>	L <b>25</b>	# 687
Dawe, Pie	ers	Nvidia		
Comment	Type E	Comment Status D		(Logic) (bucket)
will is	deprecated			
•				

SuggestedRemedy

Change will be to is - several places

Proposed Response Response Status W

#### PROPOSED REJECT.

The use of will in some contexts is deprecated as stated in the IEEE SA Style Manual: "The word will is deprecated and shall not be used when stating mandatory requirements; will is only used in statements of fact." The use of "will" in this case is appropriate as it is a statement of fact, not a requirement.

C/ 171 SC 171.9.5.1	P <b>231</b>	L <b>47</b>	# 688	C/ 173 SC 173.1.1a P244 L35 # 691
Dawe, Piers	Nvidia			Dawe, Piers Nvidia
Comment Type <b>TR</b> For the PHY XS, this ma	Comment Status <b>D</b> ay be a misuse of "Transmit"	1	(Logic) (bucket)	Comment Type <b>T</b> Comment Status <b>D</b> (Logic) (but any in Table 169-2 *and* Table 169-3.
SuggestedRemedy				SuggestedRemedy
Use separate items for	PHY XS and DTE XS			any in Table 169-2 *or* Table 169-3.
Proposed Response	Response Status W			Proposed Response Response Status W
PROPOSED ACCEPT				PROPOSED REJECT.
For the table in 171.9.5.	1 change the text in the feat	ure column for I	PICS items TF1 and	In this case "and" is accurate since the PMA supports any PMD that is listed in tables 1 2 and 169-3
	8/66B encoder" to "64B/66I			C/ 174 SC 174.2.1 P248 L51 # 692
	2 change the text in the fea B/66B decoder" to "64B/6		PICS items RF13 and	Dawe, Piers Nvidia
C/ 173 SC 173.1.1	P244	L18	# 689	Comment Type TR Comment Status D (Common) (but
Dawe. Piers	Nvidia	210	# 009	physically instantiated
Comment Type E	Comment Status D		(Logic) (bucket)	SuggestedRemedy exposed
forms				Proposed Response Response Status W
SuggestedRemedy types				PROPOSED REJECT. For data rates 40 Gb/s and higher, the term "physically instantiated" is used consistent
Proposed Response PROPOSED ACCEPT I	Response Status W N PRINCIPLE.			within 802.3 to describe interfaces that are exposed and measurable. As an example, in 120.5.3 "The limits for Skew and Skew Variation at physically instantiated interfaces"are specified at Skew points
Delete the words "forms	of" on page 244 line 18.			The proposed change does not improve the accuracy or clarity of the draft.
C/ 173 SC 173.1.1a	P <b>244</b>	L35	# 690	
Dawe, Piers	Nvidia			
Comment Type <b>T</b>	Comment Status D		(Logic) (bucket)	
supports				
SuggestedRemedy connects to				

C/ 175	SC 175.2.	4.6.1	P 26	66	L 10	# 694
Dawe, Pier	s		Nvidia	1		
Comment 1	Type <b>TR</b>	Commer	nt Status	D		(Logic) (bucket)
	nere. 179 line					e, we are defining its on't usually write in the
Suggested	Remedy					
bit tran to The ali is the fi	smitted. gnment mark irst bit transm	er for PCS lane				i, where bit 0 is the first s am_x<119:0>. Bit 0
Proposed F	0		Ctatura	14/		
		Response	- Status	vv		
PROP This wo	OSED REJE	tical to wording	in other	PCS su		ing AM insertion such
PROPO This wo as 91.5 many e through	DSED REJEC ording is iden 5.2.6, 119.2.4 examples of t hout the base	CT. tical to wording 4.4.1, 119.2.4.4. he phrasing "Le standard and a	in other 2, 134.5. et <some amendme</some 	PCS su 2.6, 152 variable ents.	2.5.3.6, and 161. >> be or represer	5.2.6.1. There are nt or equal something"
PROPO This wo as 91.5 many e through C/ <b>176</b>	DSED REJEC ording is iden 5.2.6, 119.2.4 examples of t nout the base SC <b>176.1.</b>	CT. tical to wording 4.4.1, 119.2.4.4. he phrasing "Le standard and a	in other 2, 134.5. et <some amendme P<b>2</b></some 	PCS su 2.6, 152 variable ents. 88	2.5.3.6, and 161.	5.2.6.1. There are
PROPO This we as 91.5 many e through C/ 176 Dawe, Pier Comment T	DSED REJEC ording is iden 5.2.6, 119.2.4 examples of t nout the base SC 176.1. s <i>Type</i> <b>T</b>	CT. tical to wording 4.1, 119.2.4.4. he phrasing "Le standard and a 1 Commen	in other 2, 134.5. et <some amendme P<b>2</b> Nvidia at Status</some 	PCS su 2.6, 152 variable ents. 88	2.5.3.6, and 161. >> be or represer	5.2.6.1. There are nt or equal something"
PROPO This wo as 91.5 many e through C/ 176 Dawe, Pier Comment T Three t	DSED REJEC ording is iden 5.2.6, 119.2.4 examples of t nout the base SC <b>176.1.</b> s <i>Type</i> <b>T</b> types of the -	CT. tical to wording .4.1, 119.2.4.4. he phrasing "Le standard and a 1	in other 2, 134.5. et <some amendme P<b>2</b> Nvidia at Status</some 	PCS su 2.6, 152 variable ents. 88	2.5.3.6, and 161. >> be or represer	5.2.6.1. There are nt or equal something" # <u>695</u>
PROPO This wo as 91.5 many e through C/ 176 Dawe, Pier Comment T Three t Suggested	DSED REJEC ording is iden 5.2.6, 119.2.4 examples of t hout the base SC 176.1. s Type T types of the - Remedy	CT. tical to wording 4.1, 119.2.4.4. he phrasing "Le standard and a 1 <i>Commer.</i> delte the, as in	in other 2, 134.5. et <some amendme P<b>2</b> Nvidia at Status</some 	PCS su 2.6, 152 variable ents. 88	2.5.3.6, and 161. >> be or represer	5.2.6.1. There are nt or equal something" # <u>695</u>
PROPO This we as 91.5 many e through Cl 176 Dawe, Pier Comment T Three t Suggested Delete	DSED REJEC ording is iden 5.2.6, 119.2.4 examples of t nout the base SC 176.1. s <i>SC</i> 176.1. s <i>Type</i> T types of the - <i>Remedy</i> the, as in 175	CT. tical to wording 4.1, 119.2.4.4. he phrasing "Le standard and a 1 <i>Commer.</i> delte the, as in 3	in other 2, 134.5. et <some amendme <i>P</i> 28 Nvidia <i>nt Status</i> 173</some 	PCS su 2.6, 152 variable ents. 88 a D	2.5.3.6, and 161. >> be or represer	5.2.6.1. There are nt or equal something" # <u>695</u>
PROPO This wo as 91.5 many e through Cl <b>176</b> Dawe, Pier Comment T Three t Suggested Delete Proposed F	DSED REJEC ording is iden 5.2.6, 119.2.4 examples of t nout the base <i>SC</i> <b>176.1.</b> s <i>Type</i> <b>T</b> types of the - <i>Remedy</i> the, as in 175 <i>Response</i>	CT. tical to wording 4.1, 119.2.4.4. he phrasing "Le standard and a <b>1</b> <i>Commer.</i> delte the, as in 3 <i>Response</i>	in other 2, 134.5. et <some amendme <i>P</i> 28 Nvidia <i>nt Status</i> 173</some 	PCS su 2.6, 152 variable ents. 88 a D	2.5.3.6, and 161. >> be or represer	5.2.6.1. There are nt or equal something" # <u>695</u>
PROPO This wo as 91.5 many e through Cl 176 Dawe, Pier Comment T Three t Suggested Delete Proposed F PROPO	DSED REJEC ording is iden 5.2.6, 119.2.4 examples of t hout the base <i>SC</i> <b>176.1.</b> s <i>Type</i> <b>T</b> types of the - <i>Remedy</i> the, as in 17 <i>Response</i> DSED REJEC	CT. tical to wording 4.1, 119.2.4.4. he phrasing "Le standard and a 1 <i>Commer.</i> delte the, as in 3 <i>Response</i> CT.	in other 2, 134.5. et <some amendme <i>P</i> 28 Nvidia ot <i>Status</i> 173</some 	PCS su 2.6, 152 variable ents. 88 a D	2.5.3.6, and 161. => be or represer L18	5.2.6.1. There are nt or equal something" # <u>695</u> <i>(Logic) (bucket,</i>
PROPO This wo as 91.5 many e through Cl 176 Dawe, Pier Comment T Three t Suggested Delete Proposed F PROPO The co	DSED REJEC ording is iden 5.2.6, 119.2.4 examples of t nout the base <i>SC</i> <b>176.1.</b> s <i>Type</i> <b>T</b> types of the - <i>Remedy</i> the, as in 17 <i>Response</i> DSED REJEC mment does	CT. tical to wording 4.1, 119.2.4.4. he phrasing "Le standard and a <b>1</b> <i>Commer.</i> delte the, as in 3 <i>Response</i> CT. not provide suf	in other 2, 134.5. et <some amendme <i>P</i> 28 Nvidia of <i>Status</i> 173 e <i>Status</i> ficient jus</some 	PCS su 2.6, 152 variable ents. 88 D W	2.5.3.6, and 161. => be or represer L18	5.2.6.1. There are nt or equal something" # <u>695</u> <i>(Logic) (bucket,</i> suggested remedy.

C/ 176	SC	176.4.3.	2.1 P3	05	L <b>28</b>	# 696
Dawe, Piers	;		Nvidi	a		
Comment T round-ro		T nd round	<i>Comment Status</i> I robin	D		(Logic) (bucket)
SuggestedF alternat		<i>ly</i> rotation				

Proposed Response Response Status W

PROPOSED REJECT.

Round-robin is a common term that has been used in multiple clauses in the standard (e.g. clauses 23, 46, 81, 82, 91, 119, 134, 148, 149, 152)

The proposed wording change does not improve the technical clarity or accuracy of the text.

•		0 1		
C/ 177	SC 177.4.5	P333	3 <i>L</i> 16	# 697
Dawe, Pie	rs	Nvidia		
Comment is mos	<i>Type</i> <b>ER</b> st naturally define	Comment Status	D	(Logic) (bucket
S <i>uggested</i> Clean	-			
PROF	Response POSED ACCEPT we "most naturall		N	
C/ 177	SC 177.4.5	P333	3 L18	# 698
Dawe, Pie	rs	Nvidia		
<i>Comment</i> alpha		Comment Status	D	(Logic) (bucket
Suggested Define				
PROF	Response POSED ACCEPT efinition for alpha	Response Status N IN PRINCIPLE. a as "alpha is a primitive		ield GF(2^7)."

C/ 177 SC 177.4.5	P333	L 20	# 699	C/ 177 SC 177.4.5	P333	L30	# 702
Dawe, Piers	Nvidia	- 20	<i>ii</i> 000	Dawe, Piers	Nvidia	200	102
Comment Type TR	Comment Status D		(Logic) (bucket)	Comment Type TR big dot	Comment Status D		(Logic) (bucket)
SuggestedRemedy Define				SuggestedRemedy Define			
Proposed Response PROPOSED REJEC x in poly is not define	Response Status <b>W</b> T. d in other clauses, either. This	is common knov	vledge to implementers.	Proposed Response PROPOSED ACCEPT II Add definition for bit dot	Response Status W N PRINCIPLE. : " "•" denotes matrix dot pr	oduct."	
C/ 177 SC 177.4.5	P333	L <b>24</b>	# 700	C/ 177 SC 177.4.5	P333	L <b>50</b>	# 703
Dawe, Piers	Nvidia			Dawe, Piers	Nvidia		
Comment Type TR T	Comment Status D		(Logic) (bucket)	Comment Type <b>TR</b> big dot	Comment Status D		(Logic) (bucket)
SuggestedRemedy Define				SuggestedRemedy Define			
Proposed Response PROPOSED ACCEP Add definition for T : 1	Response Status W T IN PRINCIPLE. ' the superscript "T" denotes a	matrix transpose	e operator"	Proposed Response PROPOSED ACCEPT II Resolve using the respo			
C/ 177 SC 177.4.5	P 333	L <b>25</b>	# <u>701</u>	C/ 177 SC 177.4.5	P <b>334</b>	L <b>1</b>	# 704
Dawe, Piers	Nvidia			Dawe, Piers	Nvidia		
Comment Type TR MSB	Comment Status D		(Logic) (bucket)	Comment Type TR ^-1	Comment Status D		(Logic) (bucket)
SuggestedRemedy Define				SuggestedRemedy Define			
Proposed Response	Response Status W			Proposed Response	Response Status W		
PROPOSED REJEC MSB is defined in 1.5	and is used across the docum	ient.		PROPOSED ACCEPT II Add definition for "^-1" as	N PRINCIPLE. s: "the superscript "-1" deno	otes a matrix inve	ersion operator."

	SC 177.4.5	P 334	L <b>4</b>	# 705	C/ 178	SC 178.9.2	P 361	L <b>53</b>	# 709
Dawe, Piers		Nvidia			Dawe, Piers		Nvidia		
Comment Typ generator		Comment Status D eneration matrix - confusingly	similar names	(Logic) (bucket)	Comment 7 fourth-o	51	Comment Status D er BT4. And why 60 GHz?	)Ui	cket) TX measurement filte
SuggestedRe Rename	2				Suggestedl Change	Remedy e to 5th order, 53	3.125 GHz		
		Response Status W IN PRINCIPLE. matrix".				, DSED REJECT.	Response Status W	ested remedy	и.
C/ 178	SC 178.9	P 361	L <b>40</b>	# 707	C/ 178	SC 178.9.2.4	P <b>364</b>	L34	# 710
Dawe, Piers		Nvidia			Dawe, Piers	S	Nvidia		
Comment Typ character		Comment Status D	trical)	(bucket) characteristics	Comment 7 Nv = 40		Comment Status <b>D</b> rously rare, 4^400 is 7e240.		<i>(Electrical) (bucket) Tx N_</i> h
SuggestedRe specificat	,				Suggestedl Change	-	rever it is 400 in this draft		
Proposed Re	sponse	Response Status W			Proposed F	Response	Response Status W		
The lang subclaus	es in this draft	ader is consistent with prior e change does not improve the			The pu have a and ma	long settling tim ay cause test fixt	ngth is intended to measure th e. Limiting the measurement ure dependence. nt in the comment is irrelevar	length does	not serve any purpose
C/ 178	SC 178.9.2	P361	L 47	# 708			be in preset 1 anyway, and in		
Dawe, Piers		Nvidia			encoun		tiliantian to support the sugge	acted remed	
Comment Typ	pe TR	Comment Status D	trical)	(bucket) characteristics		Infinent lacks jus	tification to support the sugge	esteu remeuy	
character	ristics				C/ 178	SC 178.9.3.4	.1 <i>P</i> 366	L 48	# 711
SuggestedRe	emedy				Dawe, Piers	S	Nvidia		
specificat	tions				Comment 7	Гуре Е	Comment Status D		(Electrical) (bucke
Proposed Re	sponse	Response Status W			0.8V				
	SED REJECT. using the resp	onse to comment #707.			Suggestedl insert s	-			
					Proposed F PROPO	Response DSED ACCEPT.	Response Status W		

C/ 178 SC 178.10.1	I P <b>371</b>	L15	# 712	C/ 178	SC 178.10.1	P <b>372</b>	L <b>46</b>	# 715
Dawe, Piers	Nvidia			Dawe, Piers		Nvidia		
Comment Type ER Indices that look like e	Comment Status D exponents, should be subscripts	<i>,</i> , ,	oucket) COM parameters	Comment Ty Unrealist	pe <b>TR</b> ic jitter values	Comment Status D		(Electrical) (bucket) Jitte
SuggestedRemedy Change C_d^(1) to C_	_d1 or Cd1, and so on			SuggestedRe "RJ" sho	-	ed and D-D jitter should be i	educed	
Proposed Response PROPOSED REJECT	Response Status W			Proposed Re PROPOS	esponse SED REJECT.	Response Status W		
Resolve using the res	ponse to comment 378.			The sug	gested remedy	provided in the comment la	icks specific v	alues to implement them.
C/ 178 SC 178.10.1	P <b>371</b>	L <b>25</b>	# 713	C/ 178	SC 178.10.3	P 373	L <b>51</b>	# 716
Dawe, Piers	Nvidia			Dawe, Piers		Nvidia		
Comment Type ER Confusion between z	Comment Status <b>D</b> and Z	(1	Electrical) (bucket) COM	Comment Ty Tukey w	•	Comment Status D flag (status bit) it's a switch	h (control bit)	(Electrical) (bucket) ER
SuggestedRemedy				SuggestedR	emedy			
	very strongly established, use	something othe	er than z for length,	Change	Tukey window	flag to Tukey window		
such as L				Proposed Re	esponse	Response Status W		
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			PROPO	SED REJECT.			
PROPOSED REJECT	Г.			The para	meter tw in 93	A.5 (as amended by 802.3c	k-2022) is cal	led "Tukey window flag".
Lowercase z is the sy	mbol that is used to represent p	backage trace le	engths for several	The para 	meter tw in 93. SC <b>179.1</b>	A.5 (as amended by 802.3c P <b>383</b>	k-2022) is cal L <b>22</b>	led "Tukey window flag". # 717
Lowercase z is the syn generations (e.g. Clau	mbol that is used to represent p uses 93, 137, 163).	Ū	°				,	
Lowercase z is the sy generations (e.g. Clau L is commonly used to	mbol that is used to represent p	also be conside	°	C/ 179	SC 179.1	P383	,	
Lowercase z is the sy generations (e.g. Clau L is commonly used to The proposed change	mbol that is used to represent p uses 93, 137, 163). o denote inductance, so it may e does not add clarity to the star	also be conside	ered confusing.	Cl <b>179</b> Dawe, Piers Comment Ty	SC <b>179.1</b> pe <b>E</b>	P 383 Nvidia	L 22	# 717 (Electrical) (bucke
Lowercase z is the sy generations (e.g. Clau L is commonly used to The proposed change Cl 178 SC 178.10.1	mbol that is used to represent p uses 93, 137, 163). o denote inductance, so it may e does not add clarity to the star	also be conside ndard.	°	Cl <b>179</b> Dawe, Piers Comment Ty The elec SuggestedR	SC 179.1 pe E trical specificat emedy	P 383 Nvidia Comment Status D ions are separate for each	L 22	# 717 (Electrical) (bucke
Lowercase z is the sy generations (e.g. Clau L is commonly used to The proposed change C/ 178 SC 178.10.1 Dawe, Piers	mbol that is used to represent p uses 93, 137, 163). o denote inductance, so it may e does not add clarity to the star P <b>372</b> Nvidia	also be considendard.	ered confusing. # 714	Cl <b>179</b> Dawe, Piers Comment Ty The elec SuggestedR	SC 179.1 pe E trical specificat emedy	P 383 Nvidia Comment Status D	L 22	# 717 (Electrical) (bucke
Lowercase z is the sy generations (e.g. Clau L is commonly used to The proposed change C/ 178 SC 178.10.1 Dawe, Piers Comment Type TR With a new COM, we	mbol that is used to represent p uses 93, 137, 163). o denote inductance, so it may e does not add clarity to the star P372	also be considendard.	ered confusing. # 714 (Electrical) (bucket) Jitter	Cl <b>179</b> Dawe, Piers Comment Ty The elec SuggestedRe There ar Proposed Re	SC 179.1 pe E trical specificat emedy e electrical spe esponse	P 383 Nvidia Comment Status D ions are separate for each cifications for each host cla Response Status W	L 22	# 717 (Electrical) (bucke
Lowercase z is the syl generations (e.g. Clau L is commonly used to The proposed change Cl 178 SC 178.10.1 Dawe, Piers Comment Type TR With a new COM, we this years ago.	mbol that is used to represent p uses 93, 137, 163). o denote inductance, so it may e does not add clarity to the star I P372 Nvidia Comment Status D	also be considendard.	ered confusing. # 714 (Electrical) (bucket) Jitter	Cl <b>179</b> Dawe, Piers Comment Ty The elec SuggestedR There ar Proposed Re PROPOS	SC 179.1 pe E trical specificat emedy e electrical spe sponse SED ACCEPT	P 383 Nvidia Comment Status D ions are separate for each cifications for each host cla	L 22	# [7 <u>17</u> ( <i>Electrical</i> ) (bucke
Lowercase z is the sy generations (e.g. Clau L is commonly used to The proposed change Cl 178 SC 178.10.1 Dawe, Piers Comment Type TR With a new COM, we this years ago. SuggestedRemedy	mbol that is used to represent p uses 93, 137, 163). o denote inductance, so it may a does not add clarity to the star P372 Nvidia Comment Status D can break away from old mistal	also be considendard. <i>L</i> <b>46</b> (kes from the 8E	# 714 # 714 # 714 #Electrical) (bucket) Jitter 8/10B days. OIF did	Cl <b>179</b> Dawe, Piers Comment Ty The elect SuggestedRe There ar Proposed Re PROPO The prop However	SC 179.1 pe E trical specificat emedy e electrical spe sponse SED ACCEPT losed wording of , it would be m	P 383 Nvidia Comment Status D ions are separate for each cifications for each host cla Response Status W IN PRINCIPLE.	L 22 host class - av ss le technical cla	# 7 <u>17</u> ( <i>Electrical</i> ) (bucke wkward
Lowercase z is the sy generations (e.g. Clau L is commonly used to The proposed change Cl <b>178</b> SC <b>178.10.1</b> Dawe, Piers Comment Type <b>TR</b> With a new COM, we this years ago. SuggestedRemedy	mbol that is used to represent p uses 93, 137, 163). o denote inductance, so it may e does not add clarity to the star I P372 Nvidia Comment Status D	also be considendard. <i>L</i> <b>46</b> (kes from the 8E	# 714 # 714 # 714 #Electrical) (bucket) Jitter 8/10B days. OIF did	Cl <b>179</b> Dawe, Piers Comment Ty The elect SuggestedRe There ar Proposed Re PROPOS The prop However separate	SC 179.1 pe E trical specificat emedy e electrical spe sponse SED ACCEPT losed wording of , it would be m	P 383 Nvidia Comment Status D ions are separate for each cifications for each host cla Response Status W IN PRINCIPLE. change does not improve th ore accurate to state that th	L 22 host class - av ss le technical cla	# 7 <u>17</u> ( <i>Electrical</i> ) (bucke wkward

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/ 179	SC 179.1	P 384	L35	# 718	C/ <b>45</b>	SC	45.2.1.264	P111	L <b>49</b>	# 723
Dawe, Piers	S	Nvidia			Dawe, Pier	rs		Nvidia		
Comment 1	Type ER	Comment Status D		(Electrical) (bucket)	Comment	Туре	Е	Comment Status D		(Logic) (bucket)
Tables	1 and 2, and 3	3 and 4, can be combined						somehow unmemorable.		
Suggested	-							ns list, but PMA lane / PMA worth coining an abbreviation		ch less often than PCS
		vo, as Table 167-2, here and in	other clauses		Suggested	dRemed	dy			
Proposed F	Response	Response Status W			Chang	ge PMA	L to PMA la	ane, throughout the draft		
The as prevent	ting combination bles are consis	Γ. es are significantly different be on of the tables as suggested. tent with other PMD clauses in			-	OSED	REJECT.	Response Status W	nsively througho	ut the 802.3dj standard.
	-				[Editor	r's note:	: changed s	subclause from 45.2.1.26 to	45.2.1.264]	
C/ 179	SC 179.9	P 393	L19	# 719	C/ 45	SC	45.2.3.1	P116	L37	# 724
Dawe, Piers		Nvidia	(		Dawe, Pier	rs		Nvidia		
Comment 7	<i>Type</i> <b>TR</b> lectrical charad	Comment Status D	trica	l) (bucket) characteristics	Comment	Type	ER	Comment Status D		(Logic) (bucket)
		ciensiics			Editor'	's note	(to be remo	ved after first working grou	p ballot): doesn't	respect SA balloters
Suggested	<i>Remedy</i> lectrical specif	inationa			Suggested	Remed	dv.			
Proposed F	•	Response Status W			Chang 11 tim		ditor's note	(to be removed after first S	A ballot):	
-	OSED REJEC e using the res	Г. ponse to comment #708.			Proposed PROP			Response Status W N PRINCIPLE.		
C/ FM	SC FM	P <b>13</b>	L1	# 722	Chang	ge to: E	ditor's note	(to be removed after first S	tandards Associa	ation ballot): 11 times
Dawe, Piers	S	Nvidia			C/ 45	SC	45.2.1.6	P <b>74</b>	L <b>20</b>	# 725
Comment 7	Type <b>TR</b>	Comment Status D		(Common) (bucket)	Dawe, Pier	rs		Nvidia		
802.3d	k is ahead of t	nis project			Comment	Туре	TR	Comment Status D		(Logic) (bucket)
Suggested	Remedy				as am	ended l	by IEEE Sto	d 802.3df-2024		
	IEEE Std 802.		0.0000 and ad	de Oleviere This	Suggested	Remed	ly			
amend	ment adds Phy	udes changes to IEEE Std 802. vsical Layer specifications and aces for bidirectional operation	management p	arameters for 100 Gb/s	as am Show	ended I the cha	by IEEE Sto	d 802.3df-2024 and IEEE S ese bits made by P802.3dj	td 802.3dk-202x	
Make c	other changes	as appropriate			Proposed	Respor	nse	Response Status W		
Proposed P	Response	Response Status W			-			N PRINCIPLE.		
		T IN PRINCIPLE.						nt #332 confirms that 802.3		

CI <b>45</b>	SC 45.2.1.6	P <b>74</b>	L <b>41</b>	# 726	C/ 116	SC 116.1.	4	P 148	L10	# 729
Dawe, Pier	S	Nvidia			Dawe, Piers	6		Nvidia		
Comment [·]	Type ER	Comment Status D		(Logic) (bucket)	Comment 7	<i>уре</i> <b>т</b>	(	Comment Status D		(Common) (bucket
		an confirm that the new mate		in the correct place, in	There r	nust be a BN	1 PMA I	below any SM PMA		
		vithout using a bit that's alread	dy taken		Suggestedl	Remedy				
Suggested	-				Move 1	76 and 1760	to betv	ween 119 and 120. Also in	n 116-3a 4 and	15.
		ows below and above, each t	ime.		Proposed F	Response	R	esponse Status W		
Add to	OSED ACCEPT the bottom of th	Response Status W IN PRINCIPLE. e description unchanged row BASE-DR8-2 PMA/PMD	<i>r</i> :		This tal betwee numbe	n PHY types r rather than	ayer dia and cla a partic	gram, but rather as stated auses. It is therefore relev ular subjective rule. There her than that proposed by	ant to order the are many sub	e clauses by clause jective ways that this
CI <b>73</b>	SC 73.8	P140	L <b>6</b>	# 727	does no	ot improve th	e accur	acy or clarity of the standa	ard.	in the proposed change
Dawe, Pier	S	Nvidia			C/ 116	SC 116.1.	4	P148	L <b>26</b>	# 730
Comment [·]	Туре Е	Comment Status D		(Logic) (bucket)	Dawe, Piers		-	Nvidia	- 20	# <u>1</u> 50
Cramp	ed table title				Comment 7		(	Comment Status D		(Common) (bucket
Suggested	,				l don't s	see why the	SM PM	A is shown as conditional.	It might be ne	. ,.
	ts box full width				200GA	UI-1 C2C, bi	it that's	not to do with the PMD.		
Proposed I	,	Response Status W			Suggested	-				
		IN PRINCIPLE. emedy with editorial license.			Change	e C to O and	or revis	se the footnote. Also in 11	6-3a 4 and 5.	
Impien	icht suggesteu	cifical with calculat license.			Proposed F	Response	R	esponse Status W		
C/ 116	SC 116.1.4	P148	L <b>6</b>	# 728	-		-	onal. It is mandatory given	some conditio	ns (e.a. there is a
Dawe, Pier	S	Nvidia						nd not required at all giver		
Comment [®] 2 or 4 ·	<i>Type</i> <b>E</b> -> two or four	Comment Status D		(Common) (bucket)	200GA	UI-1 C2C or	C2M).			
Suggested	Remedv									
Chang	e	orrelation (200GBASE coppe	er with 2 or 4 lar	nes)						
	vpe and clauses milarly for other	(200GBASE copper with two ables	or four lanes)							
Proposed I	Response	Response Status W								
The sty 4 are u would	ised here to be	some flexibility especially allo consistent with the title of Figu words: "Table 116–5—PHY t	ure 116-5 which	includes "16" that						

C/ 116	SC 116.2.9	P155	L35	# 731	C/ 179	SC 1	79.9.4.6.2	P 402	L18	# 739
Dawe, Pier		Nvidia	233	$\pi$ [3]	Dawe, Pier		19.9.4.0.2	Nvidia	210	# 139
Comment		Comment Status D		(Common) (huakat)	Comment		<b>TD</b> /	Comment Status D		(Floatrical) (bucket) iitter
		blayer (116.3) and and ISL fo	rinter oublouer	(Common) (bucket)				or CR because of the los	and in the head	(Electrical) (bucket) jitter
		"IS_" in the primitives has ou						of CR because of the lost	ses in the nos	L
remov	ed, and optical Pl	HYs do not have what one w			Suggested	-				
		at uses training frames.						impairments into EECQ		
Suggested	-				Proposed			Response Status W		
Find a	better name for t	his, such as ISS (inter-subla	yer startup), or r	remove 178B.			REJECT.	onsidered similar comme	nte most roco	ntly in comment #5/1
Proposed	Response	Response Status W				t D1.3. \$				nuy in comment #541
The ac feature	e for many PMD t	ILT are sufficient as they are ypes so removing Annex 178 pressed in the comment.	a. ILT is a manda BB would not be	atory and necessary an acceptable way to	50212 fact th	.pdf#pa@ at the ca	ge=80>. The alculation of .	B/dj/comments/D1p3/8023 response to that commen J4u03 was modified by th prting evidence to the clai	nt is an "accep e response to	another comment, #306.
C/ 179	SC 179.9.4	P393	L43	# 734	can't b	e meas	ured for CR".	. Contrary to this claim, so an be measured after eve	everal contribu	itions to the task force
Dawe, Pier		Nvidia	L <b>4</b> 5	π 134				s), and with sufficient acc		
Comment		Comment Status D	trical	) (huakat) abaraatariatiaa	the cu	rrent spe	ecifications.	See		16 I.I.I. 6
	<i>Type</i> <b>TR</b> mitter characteris		trical,	) (bucket) characteristics			eee802.org/3	3/dj/public/25_01/calvin_3 slide 2	dj_01b_2501.	pdf> which references
		105			EECQ	, mentio	ned in the su	uggested remedy, is not u	ised in any IEI	EE 802.3 specification (it
Suggested	-	~~						nentation agreement). No reliably capture the effect		
	nitter specificatio							vide sufficient justification		
	Response	Response Status W						es not provide sufficient d		
-	OSED REJECT.	onse to comment #708.			C/ 179	SC 1	79.9.4.5.1	P400	L <b>4</b>	# 740
					Dawe, Pier		75.5.4.5.1	Nvidia	24	# [140
C/ 179	SC 179.9.4.6.	1 P <b>402</b>	L1	# 738	Comment		т	Comment Status D		(Electrical) (bucket) SNDR
Dawe, Pier	rs	Nvidia					-	al in SNDR seems fussy a		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Comment	Type ER	Comment Status D		(Electrical) (bucket) jitter			-	a in Sindix seems lussy a		y
	andard should be iliar and unneces	e written in English. The three sary.	e-pronged magr	net is pretentious,	Suggested Remov	-	/			
Suggested	Remedy				Proposed	Respons	se R	esponse Status W		
Chang	e to: For each tra	insition I in the set A:			PROP	OSED F	REJECT.			
Proposed	Response	Response Status W						vide sufficient justification		
•	OSED REJECT.				The su	iggested	d remedy doe	es not provide sufficient d	etail to implen	ient.
		the mathematical symbol $\in$ .	00 141 1 4							
		times in IEEE Std 802.3-20 are assumed to be familiar v								
Table	21–1 as "Indicate	s membership".								
The pr	oposed change o	loes not improve the technica	al clarity or accu	racy of the text.						

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

C/ 179 SC 179.9.4.6 P401 L28 # 741	C/ 179 SC 179.9.4.7	P 403	L <b>5</b>	# 743
Dawe, Piers Nvidia	Dawe, Piers	Nvidia		
Comment Type         TR         Comment Status         D         (Electrical) (bucket) Jitter           Dud jitter method.         Turning off aggressor lanes is desperate	Comment Type <b>TR</b> mating interface discon	Comment Status D tinuity - ambiguous and not	defined.	(Electrical) (bucket) ER
SuggestedRemedy Don't attempt to isolate jitter	SuggestedRemedy Clarify what this means			
Proposed Response       Response Status       W         PROPOSED REJECT.       The comment does not provide sufficient justification to support the suggested remedy.         The suggested remedy does not provide sufficient detail to implement.         C/       179       SC       179.9.4.6.3       P 402       L 43       # [742]	against D1.1. This resp wording "excluding the <https: td="" www.ieee802.o<=""><td>Response Status W since D1.2 and originates fr onse was a result of discuss mating interface discontinuit org/3/dj/comments/D1p1/802</td><td>sion in the CF y". See</td><td>RG with consensus on the</td></https:>	Response Status W since D1.2 and originates fr onse was a result of discuss mating interface discontinuit org/3/dj/comments/D1p1/802	sion in the CF y". See	RG with consensus on the
Dawe, Piers Nvidia	page=77>. The suggested remedy	does not provide sufficient	detail to imple	ement.
Comment Type       TR       Comment Status       D       (Electrical) (bucket) jitter         EOJ03 should be included in SNDR or EECQ.       It's not clear that we need a separate spec       for it         SuggestedRemedy       Ensure that SNDR or EECQ include it (by telling the scope that the pattern is twice as long       and data		P 406 Nvidia Comment Status D of block error ratio - not. 17	L <b>39</b> 79.9.5.3.5 say	# 744 (Electrical) (bucket) ITO ys "Block error ratio is
as it is), and delete Proposed Response Response Status W PROPOSED REJECT. Even-odd jitter is a specification parameter for multiple generations of electrical transmitter specifications. The comment does not indicate a problem that needs to be solved. The comment does not provide sufficient justification to support the suggested remedy. The suggested remedy does not provide sufficient detail to implement.	defined in 174A.8." SuggestedRemedy Change "See 179.2 for Proposed Response PROPOSED ACCEPT.	definition of block error ration Response Status W	." to "See 17	9.2 and 174A.8."