IEEE 802.cz Multi-Gig Aut	IEEE P802.3cz D1.2 Multi-Gig Automotive Optical Ethernet PHY 2nd Task Force review comments

C/ FM	SC FM	P1	L 32	# 165	C/ 1	SC	1.5	P 20	L 24	# 174
Grow, Rob	bert	RMG Consul	ting / KDPOF		Torres, L	uisma		KDPOF		
<i>Comment</i> Don't f	21	Comment Status D e copyright year when producin	g the next draft.	Text improvement	<i>Commen</i> Add I		E sed in 166.	Comment Status D 1.4 and 166.2.1) as abbrevia	ation	LFSR
sure c	,	variable if used, and inspect fro s current. <i>Response Status</i> W	ont two pages an	d footer(s) to make	Proposed	R - Linea <i>I Respor</i>	r Feedback	s Shift Register Response Status W		
PROP	POSED ACCEP	T.			C/ 30	-	30.3.2.1.2	P 21	L 20	# 168
C/ FM	SC FM	P 3	<i>L</i> 1	# <u>1</u> 66	Grow, Ro		30.3.2.1.2	RMG Consult		# 168
Grow, Rob Comment This lir		RMG Consult Comment Status D ne 10	ting / KDPOF	Text improvement		pears that		Comment Status D e is organized by speed in the dest by clause number in the dest	<i>אר P80</i> ne first column, t	
Proposed	Response POSED ACCEP	or text if you need a blank line f <i>Response Status</i> W T.			vario	us Claus se 30 ins	se 30 MIB it serts.	on P802.3/D3.0, and we sho tems there. We may need t <i>Response Status</i> W		
C/ FM	SC FM	P 3	L 32	# <u>1</u> 67	PRO	POSED	ACCEPT.			
Grow, Rob	bert	RMG Consul	ting / KDPOF		C/ 44	SC	44.1.4.4	P 27	L16	# 172
Comment		Comment Status D		matter template version	Grow, Ro	bert		RMG Consult	ina / KDPOF	
		ers from P802.3/D3.0, I'm not s			Commen		Е	Comment Status D	•	02.3 comment resolutior
FrameMaker to check that, but this draft looks like the Word template content (mostly). SuggestedRemedy Check and update if needed. Proposed Response Response Status W PROPOSED REJECT. IEEE P802.3cz/D1.2 follows the FrameMaker V5.0 template, dated 2 December 2021 (https://ieee802.org/3/tools/framemaker/index.html)					PHY Comi there affec Suggeste	Types a ments ha are any t our cha edRemed	at a given da ave been e v changes to anges to Cla dy	te introduction clauses like t ata rate or ordering sublayer ntered on P802.3/D3.0 abou o establish a more global so auses 44, 105, 125, and 131 mment resolutions and upda	s in various dela ut this, and we ne rt order for such I.	y constraint tables. eed to remain aware if
					Proposed	l Respor		Response Status W	·	

C/ 44 SC 44.1.4.4

C/ 45	SC 45.2.1.6	P 29	L 43	# 46	C/ 45	SC 45.2.3.8	7a.1	P 33	L 35	# 101	
Pérez - Ai	randa, Rubén	KDPOF			Pérez - A	randa, Rubén		KDPOF			
	iption of PMA/PM	Comment Status D 0 type selection should also advertised in the BASE-AU I	indicate the PM			21		ent Status D AM is referred as E	BASE-U OAM.	Text improv	<i>rement</i>
Suggested	dRemedy				00	ace BASE-AU wit	h BASE-U.				
using 7 thro	bits 6 to 0. The PN ugh 0 of the PMA/	1.6.3 as: "The PMA/PMD ty MA/PMD type abilities of the PMD status 2 register; the F tended ability register; the 2	PMA/PMD are a PMA/PMD extend	dvertised in bits 9 and ed ability register; the	Proposea	l Response POSED ACCEP1	Respon	se Status W			
registe	er; and the 400G F	MA/PMD extended ability re			C/ 45	SC 45.2.3.8	7a.4	P 34	L3	# 3	
	ded ability register.				Hayashi,	Takehiro		HAT Lab.			
	Response	Response Status W			Comment	t Type E	Comm	ent Status X			ΕZ
PROF C/ 45	OSED ACCEPT. SC 45.2.1.158	a.1 <i>P</i> 31	L9	# 1		nge" occurs in plu ription.	s and minu	s directions. Use c	of "increment" ca	n simplify the	
Hayashi, [•]		HAT Lab.	LJ	# 1	Suggeste	edRemedy					
Comment		Comment Status D		Text improvement		ige to "Bit 3.2330 e "acting as one l		mented by one bit e number"	by the BASE-U b	based PHY" an	d
	uld be indicated the nd "0100" (line 12)	at the values "0000", "0001" are binary	' (line 9), "0010" (line 10), "0011" line	Proposea	l Response	Respon	se Status W			
Suggested	dRemedy					POSED REJECT transmitted mess		_MSGT is a single	bit that effectivel	y changes with ea	зch
	-	before the numbers.			C/ 45	SC 45.2.3.8	7b.2	P 35	L 10	# 6	
	Response POSED ACCEPT.	Response Status W			Hayashi, Comment		Comm	HAT Lab. ent Status X			ΕZ
CI 45	SC 45.2.3.87a	P 33	L 14	# 2		21		directions. Use of	"increment" can	simplify the desci	
layashi, ⁻	Takehiro	HAT Lab.				dRemedy					
Comment	Type E	Comment Status D		EZ	Chan		.12 is incre	mented by one bit	" and delete "	acting as one bit	

sequence number"

Proposed Response

"change" occurs in plus and minus directions.

SuggestedRemedy

Use "increment"

Proposed Response Response Status W

PROPOSED REJECT. The TXO_MSGT is a single bit that effectively changes with each new transmitted message

PROPOSED REJECT. The RXO_MSGT is a single bit that effectively changes with each new received message

Response Status W

C/ 45 SC 45.2.3.87b.2

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"to" is inconsistency of description. SuggestedRemedy "through" "through" "poposed Response Response Status W PROPOSED REJECT. The meaning is "Up to the assignee of the OUI or CID" Cl 45 SC 45.2.3.87b.5 P34 L16 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status D EZ "contents" FROPOSED REJECT. Content is singlurar refering to a group of bits. EZ Cl 45 SC 45.2.3.87c.2 P36 L4 PROPOSED REJECT. Content is singlurar refering to a group of bits. Text improvement Proposed Response Response Status W PROPOSED REJECT. Content is singlurar refering to a group of bits. Text improvement Cl 45 SC 45.2.3.87c.2 P36 L4 Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.3.87c.2 P36 L13 Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.3.87c.4 P36 L13 Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.3.87c.4 P36 L13	SC 45.2.3.87b.5	5 P 34	L 16	# 5	C/ 45	SC 45.2.3.87c.2	P 36	L 5	# 47
"to" is inconsistency of description. "Loopback modes are specified in 166.10." is redundant with information provided biggested/Remedy "Unrough" "Loopback modes are specified in 166.10." is redundant with information provided biggested/Remedy "Unrough" "Loopback modes are specified in 166.10." is redundant with information provided biggested/Remedy "Unrough" "Loopback modes are specified in 166.10." is redundant with information provided biggested/Remedy "Unrough" "Loopback modes are specified in 166.10." is redundant with information provided biggested/Remedy "Content" #Life "Layashi, Takehiro HAT Lab. Comment Type E "Content" Suggested/Remedy "content" Suggested/Remedy "content" Suggested/Remedy "contents" Suggested/Remedy "contents" Suggested/Remedy "contents" KDPOF PROPOSED REJECT. Content is singlurar refering to a group of bits. Text improvement Cl 45 SC 452.3.87c.2 P36 L4 PROPOSED ACCEPT. Cl 45 SC 452.3.87c.4 P36 L13 Cl 45 SC 452.3.87c.2 P36 L4 Text improvement Suggested/Remedy <	shi, Takehiro	HAT Lab.			Pérez - A	randa, Rubén	KDPOF		
SuggestedRemedy SuggestedRemedy "through" PROPOSED REJECT. The meaning is "Up to the assignee of the OUI or CID" C1 45 SC 45.2.3.87b.5 P34 L16 # 4 Hayashi, Takehiro HAT Lab. EZ PROPOSED ACCEPT. C1 45 SC 45.2.3.87c.2 P36 L5 # 6 Hayashi, Takehiro HAT Lab. Text improvement "contents" Proposed Response Response Status W PROPOSED REJECT. Content is singlurar refering to a group of bits. C1 45 SC 45.2.3.87c.2 P36 L4 # 102 Proposed Response Response Status W PROPOSED ACCEPT.	o" is inconsistency of de			EZ	"Loop	back modes are spec	cified in 166.10." is redun	ndant with inform	Text improvement ation provided at the
Proposed Response Response Status W PROPOSED REJECT. The meaning is "Up to the assignee of the OUI or CID" Proposed Response Response Status W C/l 45 SC 45.2.3.87b.5 P34 L16 # Jayashi, Takehiro HAT Lab. EZZ Page Comment Status D Text in Comment Type E Comment Status D Text in SuggestedRemedy "contents" "a value of binary 000 in 3.2348.15:13" may be better. Proposed Response Response Status W PROPOSED REJECT. Content is singlurar refering to a group of bits. Proposed Response Response Status W PROPOSED REJECT. Content is singlurar refering to a group of bits. Proposed Response Response Status W PROPOSED REJECT. Content is singlurar refering to a group of bits. Proposed Response Response Status W Proposed Response KDPOF Text improvement Mayshi, Takehiro HAT Lab. Comment Type T Comment Status D Text improvement BASE-AU> BASE-U (PCS). Page Lat # Text improvement SuggestedRemedy Take sengonse Status W PropOOSED ACCEPT. </td <td>•</td> <td></td> <td></td> <td></td> <td>Suggestee</td> <td>dRemedy</td> <td></td> <td></td> <td></td>	•				Suggestee	dRemedy			
C/ 45 SC 45.2.3.87b.5 P34 L16 # 4 Hayashi, Takehiro HAT Lab. C/ 45 SC 45.2.3.87c.2 P36 L5 # 8 Comment Type E Comment Status D EZ C/ 45 SC 45.2.3.87c.2 P36 L5 # 8 SuggestedRemedy "contents" "ontents is singlurar refering to a group of bits. D Text im C/ 45 SC 45.2.3.87c.2 P36 L4 # 102 The meaning "no test mode is selected in 3.2348.15:13" may be better. Proposed Response Response Status W PROPOSED ACCEPT. PGOPOSED ACCEPT. C/ 45 SC 45.2.3.87c.2 P36 L4 # 102 C/ 45 SC 45.2.3.87c.3 P36 L13 # 9 Proposed Response Response Status W PROPOSED ACCEPT. C/ 45 SC 45.2.3.87c.2 P36 L4 # 102 SuggestedRemedy Replace BASE-AU with BASE-U. PGOPOSED ACCEPT. C/ 45 SC 45.2.3.87c.4 P36 L13 # 9 C/ 45 SC 45.2.3.87c.2 P36 L4 # 7 10 Suggeste	•	,	ssignee of the C	UI or CID"	Proposed	Response R	Response Status W		
Comment Type E Comment Status D EZ "content" should be plural. SuggestedRemedy Comment Type E Comment Type E Comment Status D Text in SuggestedRemedy "contents" Proposed Response Status W PROPOSED REJECT. Content is singlurar refering to a group of bits. Text improvement SuggestedRemedy "a value of binary 000 in 3.2348.15:13" may be better. Proposed Response Status W PROPOSED REJECT. Content is singlurar refering to a group of bits. Text improvement Text improvement Ci 45 SC 45.2.3.87c.3 P36 L13 # 9 Proposed Response Response Status W PROPOSED ACCEPT. Ci 45 SC 45.2.3.87c.3 P36 L13 # 9 Proposed Response Response Status W PROPOSED ACCEPT. Ci 45 SC 45.2.3.87c.3 P36 L13 # 9 Proposed Response Response Status W PROPOSED ACCEPT. Comment Type E Comment Status D Text in No instruction what operation "(no loopback operation)" is inconsistent. Text improvement The description "(no loopback operation)" is inconsistent. Text improvement			L16	# 4			P 36	L 5	# <u>8</u>
SuggestedRemedy "contents" "contents" "scontents" Proposed Response Response Status W PROPOSED REJECT. Content is singlurar refering to a group of bits. "a value of binary 000 in 3.2348.15:13" may be better. C/1 45 SC 45.23.87c.2 P 36 L 4 # 102 C/2 45 SC 45.23.87c.3 P 36 L 13 # 9 Comment Type T Comment Status D Text improvement Hayashi, Takehiro HAT Lab. SuggestedRemedy Replace BASE-AU Wheth BASE-U. Proposed Response Status W Proposed Response Status W PROPOSED ACCEPT. Proposed Response Status W Proposed Response Status W Proposed Response Status W PROPOSED ACCEPT. P 36 L 4 # 102 SuggestedRemedy C/1 45 SC 45.23.87c.2 P 36 L 4 # 102 C/1 45 SC 45.23.87c.4 P 36 L 21 # 102 C/1 45 SC 45.2.3.87c.4 P 36 L 21 # 102 C/1 45 SC 45.2.3.87c.4 P 36 L 21 # 102 Layashi, Takehiro HAT Lab. Comment Type E Comment Type E Comment Status X	nent Type E	Comment Status D		EZ	Comment	Type E	Comment Status D	15:13" is not clea	Text improvement
Proposed Response Response Status W PROPOSED REJECT. Content is singlurar refering to a group of bits. Proposed Response Response Status W Price A randa, Rubén KDPOF KDPOF Cl 45 SC 45.2.3.87c.3 P 36 L 13 # 9 Proposed Response KDPOF Text improvement Hayashi, Takehiro HAT Lab. Cl 45 SC 45.2.3.87c.3 P 36 L 13 # 9 SuggestedRemedy Replace BASE-AU with BASE-U. Proposed Response Response Status D Text improvement Proposed Response Response Status W PROPOSED ACCEPT. No instruction what operation causes "PMA reset" SuggestedRemedy Roposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Add "(see 166.3.4.1)". Cl 45 SC 45.2.3.87c.4 P 36 L 21 # 10 Cl 45 SC 45.2.3.87c.4 P 36 L 21 # 10 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status D Text improvement The description "(no loopback operation)" is inconsistent. Text improvement Text improvement SuggestedRemedy Add "see 166.3.4.1 for details".	•				Suggestee	dRemedy			
Pérez - Aranda, Rubén KDPOF Comment Type T Comment Type T Comment Status D BASE-AU> BASE-U (PCS). SuggestedRemedy Replace BASE-AU with BASE-U. Proposed Response Response Status W PROPOSED ACCEPT. C/ 45 SC 45.2.3.87c.2 P 36 L4 T Hayashi, Takehiro HAT Lab. Comment Type E Comment Status D The description "(no loopback operation)" is inconsistent. Text improvement SuggestedRemedy Hayashi, Takehiro Hayashi, Takehiro HAT Lab. C/ 45 SC 45.2.3.87c.4 P36 L21 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status D The description "(no loopback operation)" is inconsistent. Text improvement SuggestedRemedy No instruction what operation causes "PMA reset" No instruction what operation causes "PMA reset" Text improvement SuggestedRemedy Kelsende L21 # 10		•	to a group of bit	S.	Proposed	Response R	-		
Comment Type T Comment Status D Text improvement BASE-AU> BASE-U (PCS). SuggestedRemedy E Comment Status D Text improvement SuggestedRemedy Replace BASE-AU with BASE-U. No instruction what operation causes "PMA reset" SuggestedRemedy Proposed Response Response Status W PROPOSED ACCEPT. Vadada ************************************			L 4	# 102	C/ 45	SC 45.2.3.87c.3	P 36	L 13	# 9
SuggestedRemedy Replace BASE-AU with BASE-U. Proposed Response Response Status PROPOSED ACCEPT. Cl 45 SC 45.2.3.87c.2 P 36 L 4 # 7	nent Type T	Comment Status D		Text improvement	Comment	Type E	Comment Status D		Text improvement
Proposed Response Response Status W PROPOSED ACCEPT. P36 L4 # 7 Cl 45 SC 45.2.3.87c.2 P36 L4 # 7 Hayashi, Takehiro HAT Lab. Text improvement Cl 45 SC 45.2.3.87c.4 P36 L 21 # 10 Comment Type E Comment Status D Text improvement Hayashi, Takehiro HAT Lab. Comment Type E Comment Status D Text improvement Hayashi, Takehiro HAT Lab. SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy For posed Response Response Status W	2	ASE-U.			Suggestee	dRemedy			
Hayashi, Takehiro HAT Lab. Comment Type E Comment Status D Text improvement C/ 45 SC 45.2.3.87c.4 P 36 L 21 # 10 Hayashi, Takehiro In the description "(no loopback operation)" is inconsistent. Text improvement Hayashi, Takehiro HAT Lab. Comment Type E Comment Status X Text improvement SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy P 36 L 21 # 10		Response Status W			Proposed	Response R	esponse Status W	66.3.4.1)".	
Comment Type E Comment Status D Text improvement Hayashi, Takehiro HAT Lab. The description "(no loopback operation)" is inconsistent. Text improvement Comment Type E Comment Status X Text improvement SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy			L 4	# 7	C/ 45	SC 45.2.3.87c.4	P 36	L 21	# 10
The description "(no loopback operation)" is inconsistent. Comment Type E Comment Status X Text in SuggestedRemedy No instruction what operation causes "PMA reset" SuggestedRemedy SuggestedRemedy				Tout improvement	Hayashi, [*]	Takehiro	HAT Lab.		
SuggestedRemedy	ne description "(no loopb		stent.	rextimprovement		<i>)</i>			Text improvement
	•				Suggestee	dRemedy			
Proposed Response Response Status W Add "see 166.3.4.1 for details". PROPOSED ACCEPT IN PRINCIPLE. Use "no loopback" as described in Table 45-313c. PROPOSED ACCEPT IN PRINCIPLE. Add "(see 166.3.4.1)". Add "see 166.3.4.1 for details". Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Add "(see 166.3.4.1)".	,	,	back" as descri	bed in Table 45-313c.	Proposed	Response R	Response Status W	66.3.4.1)".	

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SC 45.2.3.87c.4 03/01/2022 13:43:08 SORT ORDER: Clause, Subclause, page, line

D 1.2 Comment Report

C/ 45	SC 45.2.3.87c.4		L 18,19	# 103	C/ 45	SC 45.2.3.87	d.13	P 39	L 3,4,5	# 105
	randa, Rubén	KDPOF				randa, Rubén		KDPOF		
	t <i>Туре</i> т E-AU —> BASE-U (Р	Comment Status D CS).		Text improvement		<i>Type</i> T -AU —> BASE-L		nt Status D		Text improvement
	dRemedy ace BASE-AU with B	ASE-U.			Suggested Repla	dRemedy ce BASE-AU witl	ו BASE-U.			
•	Response P POSED ACCEPT.	Response Status W				Response POSED ACCEPT	•	e Status W		
C/ 45	SC 45.2.3.87d.3		L 46	# 104	C/ 45	SC 45.2.3.87	d.14	P 39	L 12	# 50
	randa, Rubén	KDPOF				randa, Rubén	-	KDPOF		
	± <i>Type</i> T E-AU —> BASE-U (P	Comment Status D		Text improvement		<i>Type</i> T read as one, bit		nt Status D ates		Text improvement
00	dRemedy ace BASE-AU with B	ASE-U			Suggested		as one bit	3.2349.0 indicates		
						Response			2	
	POSED ACCEPT.	Response Status W				POSED ACCEPT	'	e Status W		
CI 45	SC 45.2.3.87d.9		L 28	# 48	C/ 45	SC 45.2.3.87	d.14	P 39	L 12,13,1	# 106
	randa, Rubén	KDPOF				randa, Rubén	_	KDPOF		
	t <i>Type</i> T refresh is transmitted	Comment Status D		Text improvement		<i>Type</i> T -AU —> BASE-U		nt Status D		Text improvemen
	dRemedy ace "transmitting refre	esh and quiet" with "trans	mitting refresh".		Suggested Repla	<i>dRemedy</i> ce BASE-AU witl	າ BASE-U.			
	Response I	Response Status W			•	Response POSED ACCEPT	•	e Status W		
C/ 45	SC 45.2.3.87d.1		L 34	# 49						
Comment	randa, Rubén : <i>Type T refresh is received.</i>	KDPOF Comment Status D		Text improvement						
00	<i>dRemedy</i> ace "refresh and quie	t" with "refresh".								
Proposed		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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 45 SC 45.2.3.87d.14 Page 4 of 31 03/01/2022 13:43:09

IEEE 802.cz Multi-Gig Aut	IEEE P802.3cz D1.2 Multi-Gig Automotive Optical Ethernet PHY 2nd Task Force review comments

C/ 45	SC 45.2.3.87h	P 4) L 36	# 76
	randa. Rubén	KDPC		" 10
Comment	,	Comment Status		RS-FEC counte
RS-FI in nor when doubl	EC block error cou mal operation mod the correction cap e compared with c	le. The RS-FEC dec ability has been ove	oder knows for ea rpassed. The erro 22 10-bit symbols	to operate. It can also work tch processed codeword r detection capability is vs 11 10-bit symbols), so RS n high confidence.
Suggeste	dRemedy			
		ter used when opera al and BER test mod		node" to: "A 16-bit counter
•	Response POSED ACCEPT.	Response Status	W	
CI 45	SC 45.2.3.87h	P4) L 42	# 77
Pérez - A	randa, Rubén	KDPC)F	
Comment RS-FI	,,	Comment Status	-	RS-FEC counte and normal operation mode.
and B	ge paragraph to re BER test mode , bit	s 3.2353.15:0 are a	16-bit counter tha	ceiver is operating in normal t counts the number of S decoder (see 166.2.7.2)"
•	Response POSED ACCEPT.	Response Status	W	
CI 45	SC 45.5.3.7	P4:	2 <i>L</i> 34	# 11
Hayashi,	Takehiro	HAT I	_ab.	
Comment "to" is	<i>Type</i> E s inconsistency of	Comment Status description.	D	E
00	dRemedy			
throu	ıgh"			

				-
C/ 45	SC 45.5.3.7	P 42	L 47	# 12
Hayashi,	Takehiro	HAT Lab.		
Comment The d	51	Comment Status X	stent.	Text improvement
00	<i>dRemedy</i> oopback mode)"			
,	Response POSED ACCEPT	Response Status W IN PRINCIPLE. Use "no loop	bback" as descril	ped in Table 45-313c.
C/ 78	SC 78.1.4	P 45	L 16	# 169
Grow, Ro	bert	RMG Consult	ing / KDPOF	
Comment This t	51	<i>Comment Status</i> D a consistent sort order beyo		02.3 comment resolution lata rate.
l've e		on P802.3/D3.0, and we sh nsert points for our EEE PH		
,	Response POSED ACCEPT.	Response Status W		
C/ 105	SC 105.1.1	P 47	L18	# 170
Grow, Ro	bert	RMG Consult	ing / KDPOF	
Comment Reco	51	Comment Status D o eliminate the list of PHY ty	pes as we did fo	<i>Text improvement</i> r Clause 44.
25 Gi Media	a Independent Inte	the IEEE 802.3 MAC sublations the IEEE 802.3 MAC sublations (25GMII) to [start under of existing paragraph b	erscore] one of a	number of 25 Gb/s

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 105 SC 105.1.1 Page 5 of 31 03/01/2022 13:43:09

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C/ 105 SC 105.1.3 P49 L 27 # 41	Cl 116,1 SC 116,1 P112 L45 # 136
Pérez - Aranda, Rubén KDPOF	Pérez - Aranda, Rubén KDPOF
Comment Type E Comment Status D Text improvement Table 105-1, Table 125-1 and 131-1 do not use consistent wording. Unify three tables with same wording.	Comment Type E Comment Status D Text improver Figure 166–3shows SuggestedRemedy
SuggestedRemedy	should be: "Figure 166–3 shows"
Replace with: 25 Gb/s PHY using 64B/65B and Reed-Solomon encoding with NRZ modulation over optical fiber for use in automotive applications (see Clause 166).	Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT.	PROPOSED ACCEPT.
Ø/ 116 SC 116.12.1 P113 L17 # 138	Pérez - Aranda, Rubén KDPOF
Pérez - Aranda. Rubén KDPOF	Comment Type T Comment Status D nt interface baseline prop
omment Type T Comment Status D Text improvemen	No baseline.
Reduce examples list. BASE-AU are targeted to automotive.	SuggestedRemedy
uggestedRemedy change to: "(e.g., automotive) "	Baseline proposal: "PHYs in the BASEA-AU set shall provide the management capabili described in this clause and the functionality provided by the referenced Clause 45 registers and bits.
roposed ResponseResponse StatusWPROPOSED ACCEPT.	The optional MDIO capability of Clause 45 describes several variables that provide contri and status for and about the PHY. If the MDIO is not implemented, an implementation si include the functionality provided by the specified MDIO registers.
PROPOSED ACCEPT.	and status for and about the PHY. If the MDIO is not implemented, an implementation s include the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3
PROPOSED ACCEPT. 7/ 116 SC 116.12.1 P113 L21 # 139	and status for and about the PHY. If the MDIO is not implemented, an implementation sl include the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353).
PROPOSED ACCEPT. V 116 SC 116.12.1 P 113 L 21 # 139 Vérez - Aranda, Rubén KDPOF	and status for and about the PHY. If the MDIO is not implemented, an implementation s include the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353). In addition to the normal operation capabilities specified elsewhere in this clause, test
PROPOSED ACCEPT. 1 16 SC 116.12.1 P 113 L 21 # 139 rérez - Aranda, Rubén KDPOF romment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the	and status for and about the PHY. If the MDIO is not implemented, an implementation sl include the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353).
PROPOSED ACCEPT. # 116 SC 116.12.1 P 113 L 21 # 139 rérez - Aranda, Rubén KDPOF romment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the qualification of ICs in the automotive industry, i.e. AEC-Q100. Temperature data and the data and t	and status for and about the PHY. If the MDIO is not implemented, an implementation slinclude the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353). In addition to the normal operation capabilities specified elsewhere in this clause, test modes and loopback modes use these registers and bits to facilitate testing." Copy Tab 115-18, as BASE-AU variable mapping. Proposed Response Response Status W
PROPOSED ACCEPT. 116 SC 116.12.1 P113 L 21 # 139 érez - Aranda, Rubén KDPOF omment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the qualification of ICs in the automotive industry, i.e. AEC-Q100. uggestedRemedy	and status for and about the PHY. If the MDIO is not implemented, an implementation slinclude the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353). In addition to the normal operation capabilities specified elsewhere in this clause, test modes and loopback modes use these registers and bits to facilitate testing." Copy Tab 115-18, as BASE-AU variable mapping.
PROPOSED ACCEPT. / 116 SC 116.12.1 P 113 L 21 # 139 érez - Aranda, Rubén KDPOF omment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the qualification of ICs in the automotive industry, i.e. AEC-Q100. UggestedRemedy Change "temperature classes" to "temperature grades" Change table content to be: Grade 0, -40°C to +150°C Grade 1, -40°C to +125°C Grade 2, -40°C to +105°C Grade 3, -40°C to	and status for and about the PHY. If the MDIO is not implemented, an implementation slinclude the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353). In addition to the normal operation capabilities specified elsewhere in this clause, test modes and loopback modes use these registers and bits to facilitate testing." Copy Tab 115-18, as BASE-AU variable mapping. Proposed Response Response Status W
PROPOSED ACCEPT. / 116 SC 116.12.1 P 113 L 21 # 139 érez - Aranda, Rubén KDPOF omment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the qualification of ICs in the automotive industry, i.e. AEC-Q100. UggestedRemedy Change "temperature classes" to "temperature grades" Change table content to be: Grade 0, -40°C to +150°C Grade 1, -40°C to +125°C Grade 2, -40°C to +105°C Grade 3, -40°C to +85°C Grade 4, 0°C to +70°C Temperatures are Ambient Operating Temperature	and status for and about the PHY. If the MDIO is not implemented, an implementation slinclude the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353). In addition to the normal operation capabilities specified elsewhere in this clause, test modes and loopback modes use these registers and bits to facilitate testing." Copy Tab 115-18, as BASE-AU variable mapping. Proposed Response Response Status W PROPOSED ACCEPT.
PROPOSED ACCEPT. If 116 SC 116.12.1 P 113 L 21 # 139 Pérez - Aranda, Rubén KDPOF Comment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the qualification of ICs in the automotive industry, i.e. AEC-Q100. EugestedRemedy Change "temperature classes" to "temperature grades" Change table content to be: Grade 0, -40°C to +150°C Grade 1, -40°C to +125°C Grade 2, -40°C to +105°C Grade 3, -40°C to	and status for and about the PHY. If the MDIO is not implemented, an implementation slinclude the functionality provided by the specified MDIO registers.PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASEAU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353).In addition to the normal operation capabilities specified elsewhere in this clause, testmodes and loopback modes use these registers and bits to facilitate testing." Copy Tab115-18, as BASE-AU variable mapping.Proposed ResponseResponse StatusPROPOSED ACCEPT.C/ 125SC 125.1.4P55L17L171
PROPOSED ACCEPT. If 116 SC 116.12.1 P113 L 21 # 139 Pérez - Aranda, Rubén KDPOF comment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the qualification of ICs in the automotive industry, i.e. AEC-Q100. UggestedRemedy Change "temperature classes" to "temperature grades" Change table content to be: Grade 0, -40°C to +150°C Grade 1, -40°C to +125°C Grade 2, -40°C to +105°C Grade 3, -40°C to +85°C Grade 4, 0°C to +70°C Temperatures are Ambient Operating Temperature Range. Ambient temperature refers to the ambient temperature inside the electronics computing unit (ECU) or equipment where a BASE-AU PHY is integrated. roposed Response Response Status W	and status for and about the PHY. If the MDIO is not implemented, an implementation slinclude the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353). In addition to the normal operation capabilities specified elsewhere in this clause, test modes and loopback modes use these registers and bits to facilitate testing." Copy Tab 115-18, as BASE-AU variable mapping. Proposed Response Response Status W PROPOSED ACCEPT. C/ 125 SC 125.1.4 P55 L17 # 171 Grow, Robert RMG Consulting / KDPOF
PROPOSED ACCEPT. If 116 SC 116.12.1 P113 L 21 # 139 rérez - Aranda, Rubén KDPOF comment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the qualification of ICs in the automotive industry, i.e. AEC-Q100. Temperature classes Temperature grades UggestedRemedy Change "temperature classes" to "temperature grades" Change table content to be: Grade 0, -40°C to +150°C Grade 1, -40°C to +125°C Grade 2, -40°C to +105°C Grade 3, -40°C to +85°C Grade 4, 0°C to +70°C Temperatures are Ambient Operating Temperature Range. Ambient temperature refers to the ambient temperature inside the electronics computing unit (ECU) or equipment where a BASE-AU PHY is integrated.	and status for and about the PHY. If the MDIO is not implemented, an implementation slinclude the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353). In addition to the normal operation capabilities specified elsewhere in this clause, test modes and loopback modes use these registers and bits to facilitate testing." Copy Tab 115-18, as BASE-AU variable mapping. Proposed Response Response Status W PROPOSED ACCEPT. C/ 125 SC 125.1.4 P55 L17 # 171 Grow, Robert RMG Consulting / KDPOF Comment Type E Comment Status D r P802.3 comment resolutions It appears that this table is in 802.3 alphanumeric order, which makes the insert point the
PROPOSED ACCEPT. If 116 SC 116.12.1 P113 L 21 # 139 Pérez - Aranda, Rubén KDPOF comment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the qualification of ICs in the automotive industry, i.e. AEC-Q100. UggestedRemedy Change "temperature classes" to "temperature grades" Change table content to be: Grade 0, -40°C to +150°C Grade 1, -40°C to +125°C Grade 2, -40°C to +105°C Grade 3, -40°C to +85°C Grade 4, 0°C to +70°C Temperatures are Ambient Operating Temperature Range. Ambient temperature refers to the ambient temperature inside the electronics computing unit (ECU) or equipment where a BASE-AU PHY is integrated. roposed Response Response Status W	and status for and about the PHY. If the MDIO is not implemented, an implementation slinclude the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353). In addition to the normal operation capabilities specified elsewhere in this clause, test modes and loopback modes use these registers and bits to facilitate testing." Copy Tab 115-18, as BASE-AU variable mapping. Proposed Response Response Status W PROPOSED ACCEPT. C/ 125 SC 125.1.4 P55 L17 # 171 Grow, Robert RMG Consulting / KDPOF Comment Type E Comment Status D r P802.3 comment resolutions It appears that this table is in 802.3 alphanumeric order, which makes the insert point the wrong place.
PROPOSED ACCEPT. C/ 116 SC 116.12.1 P113 L 21 # 139 Pérez - Aranda, Rubén KDPOF Comment Type T Comment Status D Temperature grades Temperature classes and nomenclature are not consistent with the ones used in the qualification of ICs in the automotive industry, i.e. AEC-Q100. SuggestedRemedy Change "temperature classes" to "temperature grades" Change table content to be: Grade 0, -40°C to +150°C Grade 1, -40°C to +125°C Grade 2, -40°C to +105°C Grade 3, -40°C to +85°C Grade 4, 0°C to +70°C Temperatures are Ambient Operating Temperature Range. Ambient temperature refers to the ambient temperature inside the electronics computing unit (ECU) or equipment where a BASE-AU PHY is integrated. Proposed Response Response Status W	and status for and about the PHY. If the MDIO is not implemented, an implementation slinclude the functionality provided by the specified MDIO registers. PHYs in the BASE-AU set use some generic control bits common with other IEEE 802.3 PHY types. PHY variables shall be mapped as shown in Table XXXX. PHYs in the BASE AU set also use specific registers (1.72, 1.901, and 3.2330 through 3.2353). In addition to the normal operation capabilities specified elsewhere in this clause, test modes and loopback modes use these registers and bits to facilitate testing." Copy Tab 115-18, as BASE-AU variable mapping. Proposed Response Response Status W PROPOSED ACCEPT. C/ 125 SC 125.1.4 P55 L17 # 171 Grow, Robert RMG Consulting / KDPOF Comment Type E Comment Status D r P802.3 comment resolution It appears that this table is in 802.3 alphanumeric order, which makes the insert point the wrong place. SuggestedRemedy Determine if 802.3 alphanumeric order is to be used, and is so the AU inserts belong at

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 125	Page 6 of 31
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC 125.1.4	03/01/2022 13:43:09
SORT ORDER: Clause, Subclause, page, line		

C/ 125	SC 125.2.3a	P 57	L 3	# 43	C/ 131	SC 131.2.3	P 59	L 53	# 45
Pérez - Ar	anda, Rubén	KDPOF			Pérez - Ar	anda, Rubén	KDPOF		
	<i>Type</i> E d for consistency v	Comment Status D vith 105.		Text improvement	Comment 50GB/	21	Comment Status D PMA specified in Clause 166	. Should be "us	Text improvement es" or different wording.
		5GBASE-AU use the PMD a	and its correspo	nding media specified		ASE-AU PMA is	specified in Clause 166.		
Proposed PROP	Response OSED ACCEPT.	Response Status W			Proposed PROP	Response OSED ACCEPT	Response Status W		
C/ 131	SC 131.1.3	P 59	L 32	# 42	C/ 166	SC 166.1.1	P 62	L 46	# 52
	anda, Rubén	KDPOF		11 12		anda, Rubén	KDPOF		
Comment	,	Comment Status D		Text improvement	Comment	51	Comment Status D		Text improvement
Table	••	1 and 131-1 do not use cons	sistent wording.		Suggested	Remedy	ect to frequency scaling.		
Suggested	Remedy				Should	be: specific	ations subject to frequency sc	aling and modu	lation scheme.
		HY using 64B/65B and Ree iber for use in automotive a			Proposed PROP	Response OSED ACCEPT	Response Status W		
Proposed PROP	Response OSED ACCEPT.	Response Status W			C/ 166	SC 166.1.4	P 64	L 31	# 13
C/ 131	SC 131.2.2	P 59	L 48	# 44	Hayashi, ⊺		HAT Lab.		l luisline stie ne l fik er
	anda, Rubén	KDPOF	240	<i>n</i> 11	Comment		Comment Status D ional transmission" is misleadi	na	Unidirectional fiber
Comment	<i>Type</i> E ASE-AU use the P	Comment Status D CS specified in Clause 166.	Should be "use	Text improvement es" or different wording.	2) If th the "E 3) The	e subject of the ach fiber". relation betwee	sentence is "Each fiber", "BAs on the description and the follo the second fiber" is not rationa	SE-AU port" mu wing desicriptio	
	•	ecified in Clause 166.			Suggested	Remedy			
	Response OSED ACCEPT.	Response Status W			Chang "While optica	e to the transmissic fiber is counter	on in the optical fiber is single o directional against the transm oth ends of the link segment."		
							sur ondo or the min boginerit.		
					Proposed		Response Status W		

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SC 166.1.4	03/01/2022 13:43:09

IEEE P802.3cz D1.2 Multi-Gig Automotive Optical Ethernet PHY 2nd Task Force review comments IEEE 802.cz Multi-Gig Aut

D 1.2 Comment Report

C/ 166 SC 166	.1.4	P 64	L 33	# 53	C/ 166	SC 166	6.1.4	P 64	L 38	# 54
Pérez - Aranda, Rube	én	KDPOF			Pérez - A	randa, Rub	én	KDPOF		
Comment Type E connects the F	<i>Comment</i> PMD transmitter …	Status D		Text improvement		the same B	ASE-AL	<i>Comment Status</i> D J Type in TX and RX" is not of link partners have to impl	clear in the me	
SuggestedRemedy Should be: cor	nnects the local PM	1D transmitter			e.g. 2 speci	5GBASE-A fication of c	U, beca lause 16	ause in other case they can 66 is compatible with having	not communicat g different BASE	te. However, the E-AU type from local TX
Proposed Response PROPOSED ACC	Response CEPT.	Status W			direct link se	tion operate egment is c	s at 2.5 ompatib	e.g. it is possible to establis Gb/s and other fiber direction ble with both in terms of atte s consistency through spec,	on operates at 5 enuation, bandw	i0 Gb/s, provided that /idth, etc.Disclaimer: th
C/ 166 SC 166	.1.4	P 64	L 33	# 14				ic rates, out of the scope.	but not necess	any indicates
Hayashi, Takehiro		HAT Lab.			Suggeste	dRemedy				
Comment Type E "cross-over" is no	<i>Comment</i> ot the cause but the		nnection of loca	Unidirectional fiber al TX to remote RX.	link p	artners imp	Iementir	es 37 and 38 with: "This cl ng the same BASE-AU PH	Y type and rate i	in both link partners for
					each	of the fibers	s used to	or unidirectional transmissio	on. Replace III	
Change to	communication cha	annel, the local I	PMD transmitte	r and receiver shall be	PHY rate.	TX shall be A BASE-AL	compos J PHY R	or unidirectional transmissions sed by PCS, PMA and PME X shall be composed by PC Add corresponding PICS it) sublayers spec CS, PMA and Pl	cified for the same data
Change to "Establishing the	remote PMD receiv			r and receiver shall be . Therefore, the	PHY ⁻ rate. / for the <i>Proposed</i>	TX shall be A BASE-AL	compos J PHY R a rate."	sed by PCS, PMA and PME XX shall be composed by P0) sublayers spec CS, PMA and Pl	cified for the same data
Change to "Establishing the connected to the crossover cabling Proposed Response	remote PMD receiv g is required." <i>Response</i>	ver and transmit	ter respectively	. Therefore, the	PHY rate. / for the Proposed PROF	TX shall be A BASE-AL e same data I Response POSED AC	compos J PHY R a rate." CEPT.	sed by PCS, PMA and PME X shall be composed by P(Add corresponding PICS it <i>Response Status</i> W) sublayers spec CS, PMA and Pl em.	cified for the same data MD sublayers specified
"Establishing the connected to the crossover cabling Proposed Response PROPOSED ACC	remote PMD receiv is required." <i>Response</i> CEPT IN PRINCIPL	ver and transmit <i>Status</i> W .E. Change "A c	ter respectively ross-over in the		PHY rate. / for the Proposed PROF C/ 166	TX shall be A BASE-AL e same data <i>I Response</i> POSED AC SC 166	compos J PHY R a rate." CEPT. 5.1.4	sed by PCS, PMA and PME X shall be composed by PC Add corresponding PICS it <i>Response Status</i> W P 64) sublayers spec CS, PMA and Pl	cified for the same data
Change to "Establishing the connected to the crossover cabling <i>Proposed Response</i> PROPOSED ACC PMD transmitter to the local PMD	remote PMD receiv g is required." <i>Response</i> CEPT IN PRINCIPL to the link partner's receiver." by "The l r's PMD receiver an	ver and transmit Status W .E. Change "A c PMD receiver, a local PMD transi	ter respectively ross-over in the and the link par nitter and PMD	. Therefore, the e cabling connects the	PHY rate. / for the Proposed PROF C/ 166 Pérez - A Comment	TX shall be A BASE-AL e same data <i>I Response</i> POSED AC SC 166 randa, Rub t <i>Type</i> T	compos J PHY R a rate." CEPT. 5.1.4 én	sed by PCS, PMA and PME X shall be composed by PC Add corresponding PICS it Response Status W P64 KDPOF Comment Status D) sublayers spec CS, PMA and Pl em. <i>L</i> 44 sym	tified for the same data MD sublayers specified # <u>55</u> [55] [55] [55] [55] [55] [55]
Change to "Establishing the connected to the crossover cabling Proposed Response PROPOSED ACC PMD transmitter to the local PMD to the link partner over in the optica	remote PMD receiv g is required." Response CEPT IN PRINCIPL to the link partner's receiver." by "The I 's PMD receiver an I cable."	ver and transmit Status W .E. Change "A c PMD receiver, a local PMD transmit d PMD transmit	ter respectively ross-over in the and the link par mitter and PMD ter, respectively	. Therefore, the e cabling connects the tner's PMD transmitter receiver are connected y, by means of a cross-	PHY rate. / for the Proposed PROF C/ 166 Pérez - A Comment Figure to be	TX shall be A BASE-AL e same data <i>I Response</i> POSED AC <i>SC</i> 166 uranda, Rub t <i>Type</i> T e 166-2 is n 100% cons	compos J PHY R a rate." CEPT. 5.1.4 én ot 100% istent w	sed by PCS, PMA and PME X shall be composed by PC Add corresponding PICS it <i>Response Status</i> W <i>P</i> 64 KDPOF <i>Comment Status</i> D 6 accurate. PMA should be <i>i</i> th specification. PMA TX a) sublayers spec CS, PMA and Pl em. <i>L</i> 44 split into PMA F nd PMA RX ma	tified for the same data MD sublayers specified # <u>55</u> <i>tetric BASE-AU PHY ty</i> RX and PMA TX in order y operate at different
Change to "Establishing the connected to the crossover cabling Proposed Response PROPOSED ACC PMD transmitter to the local PMD to the link partner over in the optica	remote PMD receiv g is required." Response CEPT IN PRINCIPL to the link partner's receiver." by "The I 's PMD receiver an I cable."	Ver and transmit Status W .E. Change "A c PMD receiver, a local PMD transmit d PMD transmit P64	ter respectively ross-over in the and the link par nitter and PMD	. Therefore, the e cabling connects the tner's PMD transmitter receiver are connected	PHY rate. / for the Proposed PROF C/ 166 Pérez - A Comment Figure to be rate, I differe	TX shall be A BASE-AL e same data <i>I Response</i> POSED AC <i>SC</i> 166 aranda, Rub t <i>Type</i> T e 166-2 is n 100% cons being comp ent vision of	compos J PHY R a rate." CEPT. 5.1.4 én ot 100% istent w atible w f the spe	sed by PCS, PMA and PME X shall be composed by PC Add corresponding PICS it <i>Response Status</i> W <i>P</i> 64 KDPOF <i>Comment Status</i> D & accurate. PMA should be <i>i</i> th specification. PMA TX a <i>i</i> th the specification in C/ 16 ec.Disclaimer: the comment) sublayers spec CS, PMA and Pl em. <i>L</i> 44 split into PMA F nd PMA RX ma 56. The figure sl ter only pursues	tified for the same data MD sublayers specified # <u>55</u> <i>tetric BASE-AU PHY ty</i> RX and PMA TX in order y operate at different hould not reflect a s consistency through
Change to "Establishing the connected to the crossover cabling Proposed Response PROPOSED ACC PMD transmitter to the local PMD to the link partner over in the optica C/ 166 SC 166 Hayashi, Takehiro	remote PMD receiv g is required." Response CEPT IN PRINCIPL to the link partner's receiver." by "The I 's PMD receiver an I cable."	Ver and transmit Status W LE. Change "A c PMD receiver, a local PMD transmit d PMD transmit P64 HAT Lab.	ter respectively ross-over in the and the link par mitter and PMD ter, respectively	. Therefore, the e cabling connects the tner's PMD transmitter receiver are connected y, by means of a cross-	PHY rate. / for the Proposed PROF C/ 166 Pérez - A Comment Figure to be rate, I differe spec,	TX shall be A BASE-AL e same data <i>I Response</i> POSED AC SC 166 rranda, Rub t <i>Type</i> T e 166-2 is n 100% cons being comp ent vision of but not nec	compos J PHY R a rate." CEPT. 5.1.4 én ot 100% istent w atible w f the spe	sed by PCS, PMA and PME X shall be composed by PC Add corresponding PICS it <i>Response Status</i> W <i>P</i> 64 KDPOF <i>Comment Status</i> D & accurate. PMA should be <i>i</i> th specification. PMA TX a <i>i</i> th the specification in C/ 16) sublayers spec CS, PMA and Pl em. <i>L</i> 44 split into PMA F nd PMA RX ma 56. The figure sl ter only pursues	tified for the same data MD sublayers specified # <u>55</u> <i>tetric BASE-AU PHY ty</i> RX and PMA TX in order y operate at different hould not reflect a s consistency through
Change to "Establishing the connected to the crossover cabling Proposed Response PROPOSED ACC PMD transmitter to the local PMD to the link partner over in the optica C/ 166 SC 166 Hayashi, Takehiro	remote PMD receiv g is required." <i>Response</i> CEPT IN PRINCIPL to the link partner's receiver." by "The I c's PMD receiver an I cable."	Ver and transmit Status W LE. Change "A c PMD receiver, a local PMD transmit d PMD transmit P64 HAT Lab.	ter respectively ross-over in the and the link par mitter and PMD ter, respectively	Therefore, the e cabling connects the tner's PMD transmitter receiver are connected y, by means of a cross- # 15	PHY rate. / for the Proposed PROF C/ 166 Pérez - A Comment Figure to be rate, I differe spec, Suggeste	TX shall be A BASE-AL e same data I Response POSED AC SC 166 randa, Rub t Type T e 166-2 is n 100% cons being comp ent vision of but not nec dRemedy	compos J PHY R a rate." CEPT. 5.1.4 én ot 100% istent w atible w f the spe cessarily	sed by PCS, PMA and PME X shall be composed by PC Add corresponding PICS it Response Status W P64 KDPOF Comment Status D 6 accurate. PMA should be ith specification. PMA TX a ith the specification in C/ 16 ec.Disclaimer: the comment y indicates preference on as	2) sublayers spec CS, PMA and Pl em. <i>L</i> 44 split into PMA F nd PMA RX ma 56. The figure sl ter only pursues symmetric rates	# 55 metric BASE-AU PHY ty RX and PMA TX in order bould not reflect a s consistency through , out of the scope.
Change to "Establishing the connected to the crossover cabling Proposed Response PROPOSED ACC PMD transmitter to the local PMD to the link partner over in the optica Cl 166 SC 166 Hayashi, Takehiro Comment Type E	remote PMD receiv g is required." <i>Response</i> CEPT IN PRINCIPL to the link partner's receiver." by "The I c's PMD receiver an I cable."	Ver and transmit Status W LE. Change "A c PMD receiver, a local PMD transmit d PMD transmit P64 HAT Lab.	ter respectively ross-over in the and the link par mitter and PMD ter, respectively	Therefore, the e cabling connects the tner's PMD transmitter receiver are connected y, by means of a cross- # 15	PHY for the rate. / for the Proposed PROF C/ 166 Pérez - A Comment Figure to be rate, I differe spec, Suggeste Repla topol	TX shall be A BASE-AL e same data <i>I Response</i> POSED AC SC 166 randa, Rub t <i>Type</i> T e 166-2 is n 100% cons being comp ent vision of but not nec <i>dRemedy</i> ace PMA bo	compos J PHY R a rate." CEPT. 5.1.4 én ot 100% istent w atible w f the spe cessarily x with tw	sed by PCS, PMA and PME X shall be composed by PC Add corresponding PICS it <i>Response Status</i> W <i>P</i> 64 KDPOF <i>Comment Status</i> D & accurate. PMA should be <i>i</i> th specification. PMA TX a <i>i</i> th the specification in C/ 16 ec.Disclaimer: the comment	2) sublayers spec CS, PMA and Pl em. <i>L</i> 44 split into PMA F nd PMA RX ma 56. The figure sl ter only pursues symmetric rates	# 55 metric BASE-AU PHY ty RX and PMA TX in order bould not reflect a s consistency through , out of the scope.

C/ 166 SC 166.1.4

IEEE 802.cz Multi-Gig Aut	IEEE P802.3cz D1.2 Multi-Gig	Automotive Or	ptical Ethernet PHY 2nd	Task Force review comments

Cl 166	SC 166.1.4	P 64	L 52	# 56	C/ 166	SC 166.1.4	P 65	L 34	# 58
Pérez - Ar	anda, Rubén	KDPOF			Pérez - Arai	nda, Rubén	KDPOF		
<i>Comment</i> The fiz	<i>Type</i> E xed-length Transi	Comment Status D nit Block		Text improvement	Comment Ty The bau	/pe T d rates are nor	Comment Status D ninal.		Text improvement
Suggested Shoul		th Transmit Block … First tir	ne introduced.			ides full duplex	communications at nominal 2		
'	Response	Response Status W				5312.5 MBd fo MBd for"	or 5GBASE-AU, nominal 1062	MBd for 10GI	BASE-AU, and nominal
C/ 166	SC 166.1.4	P 65	L 13	# 87	Proposed R PROPO	esponse SED ACCEPT.	Response Status W		
Pérez - Ar	anda, Rubén	KDPOF			C/ 166	SC 166.1.4	P 65	L 36	# 59
	Туре Е	Comment Status D		LFSR	Pérez - Ara	nda, Rubén	KDPOF		
The a 2018)		used, but not included in clau	se 1.5 abbreviat	ons (neither 802.3-	Comment T	/pe E SE-AUover two	Comment Status D		Text improvement
Suggested	dRemedy								
	ptions: Add LFSF currences in the	R to C/1.5 as linear feedback text.	shift register or e	expand acronym in all	SuggestedR Should	<i>emedy</i> be: 50GBASE-/	AU over two …		
•	Response POSED ACCEPT	Response Status W IN PRINCIPLE. Add LFSR to	C/1.5 as "linear	feedback shift register"	Proposed R PROPC	esponse SED ACCEPT.	Response Status W		
C/ 166	SC 166.1.4	P 65	L 33	# 57	C/ 166	SC 166.1.4	P 65	L 36	# 176
Pérez - Ar	anda, Rubén	KDPOF			Torres, Luis	ma	KDPOF		
Comment	<i>Type</i> T vides clock recov	Comment Status D		Text improvement	Comment Ty Missing	,	Comment Status D " 50GBASE-AU" and "over"		Text improvement
Suggested	dRemedy				SuggestedF	emedy			
		clock and data recovery …" nd of the PMA RX.	Data recovery n	nay need equalization,	Add spa	ice			
Proposed	Response	Response Status W			Proposed R PROPO	esponse SED ACCEPT.	Response Status W		

C/ 166 SC 166.1.4

C/ 166 SC 166.1.4	P 66	L 28	# 60	C/ 166	SC 166.2.1	P67	L 38	# 63
Pérez - Aranda. Rubén	KDPOF	L 20	# 60			KDPOF	L 30	# 63
Comment Type E Suggest to replace "E the implementor. Tho	Comment Status D qualizer" with "Data recovery' ugh spec allows training of ar re may be interoperable imple	equalizer, and e	qualizer may improve	Comment checks Suggested	sum, that is conc IRemedy	Comment Status D atenated at the end of the Ph ncatenated at the end of the I		Text improvement
SuggestedRemedy Replace "Equalizer" w	ith "Data recovery"			Proposed PROP	Response OSED ACCEPT	Response Status W		
Proposed Response PROPOSED ACCEP	Response Status W			C/ 166 Pérez - Ara	SC 166.2.1 anda, Rubén	<i>Р</i> 67 КDPOF	L 47	# 64
C/ 166 SC 166.2.1 Pérez - Aranda, Rubén Comment Type E	P 67 KDPOF Comment Status D	L 34	# 61 Text improvement	<i>Comment</i> See Fi	Туре Т	Comment Status D details on PCS bit ordering.	See Figure 166-	<i>Text improvement</i> 11 for details on PCS
codified SuggestedRemedy Most extended use is Proposed Response				166–10 Proposed I	ce with: See Fig 0 for details on F	ure 166–11 for details on PC PCS Physical Header Data tra Response Status W		
PROPOSED ACCEP								"
C/ 166 SC 166.2.1 Pérez - Aranda, Rubén	Р 67 КDPOF	L 36	# 62	C/ 166 Pérez - Ara Comment	SC 166.2.1 anda, Rubén <i>Type</i> E	P 68 KDPOF Comment Status X	L2	# <u>88</u> LFSR
Comment Type E The Physical Header	Comment Status D		Text improvement	The ac 2018)	cronym LFSR is	used, but not included in clau	se 1.5 abbrevia	tions (neither 802.3-
SuggestedRemedy Change to: The Physi						R to C/1.5 as linear feedback text.	shift register or	expand acronym in all
Proposed Response PROPOSED ACCEP	Response Status W			Proposed PROP	,	Response Status W IN PRINCIPLE. Add LFSR to	o C/1.5 as "linea	r feedback shift register"

C/ 166 SC 166.2.1

D 1.2 Comment Report

CI 166	SC 166.2.1	P 68	L 4	# 65	C/ 166	SC 166.2.1	P 68	L16	# 68
Pérez - Ar	anda, Rubén	KDPOF			Pérez - Ar	anda, Rubén	KDPOF		
Comment PCS b	<i>Type</i> E bit ordering	Comment Status D		Text improvement		66.2.6 for inform	Comment Status D ation on how 65-bit blocks of		
Suggested Replac	<i>lRemedy</i> ce with: PCS tran	smit bit ordering			"mapp	ed" with "genera	smission process is ore that ated"	n a mapping. I sug	gest replacing
Proposed I PROP	Response OSED ACCEPT.	Response Status W			Suggested Per co Proposed	omment	Response Status W		
C/ 166	SC 166.2.1	P 68	L 6	# 16		OSED ACCEPT	,		
Hayashi, T		HAT Lab.			C/ 166	SC 166.2.2.	1.1 P69	L 18	# 70
Comment		Comment Status D		Receiver spec	Pérez - Ar	anda, Rubén	KDPOF		
No figu	ure to show the P	CS receiving function.			Comment	Туре Т	Comment Status D		Text improveme
Suggested					and is	provided in log2	2 units (see 166.3.5.1).		
Add a	figure for PCS re	ceiving function.			Suggested	Remedy			
Proposed	Response	Response Status W			Should	d be: and is prov	vided in log2 units (see 166.	3.5.2).	
diagrai a spec	m in the PCS rec	The PCS receive ordering is eiver is up to the implemented over to illustrate and make easily the the specifications themsel	er. Figures are ir sier the understa	ncluded in the text with Inding of specifications	Proposed PROP	Response OSED ACCEP1	Response Status W		
which		cluding figures should respo			C/ 166 Pérez - Ar	SC 166.2.2. anda, Rubén	1.1 <i>P</i> 69 KDPOF	L 19	# 69
C/ 166	SC 166.2.1	P 68	L 6	# 66	Comment	Type T	Comment Status D		Text improvemer
Pérez - Ar	anda, Rubén	KDPOF			in resp	oonse to link ma	rgin estimation as defined ir	า 166.3.5.1	
Comment	Type T	Comment Status D		Text improvement	Suggested	Remedy			
Parag	raph of lines 6 thr	ough 8 is not complete in su	mmarizing PCS	RX function.	Shoul	d be: in respons	e to link margin estimation a	as defined in 166.3.	.5.2
Suggested	Remedv				Proposed	Response	Response Status W		
Replac of the receive	ce with: The PCS received Transmi e data stream, an s also provided to	receive function comprises it Block, 65B/64B decoding o d TRC decoding and CRC16 the PMA sublayer for coord	of payload portio 6 checking of the	n to extract the xMII PHD. The decoded	PROP	OSED ACCEPT	<u>-</u> '		
Proposed PROP	Response OSED ACCEPT.	Response Status W							

C/ 166 SC 166.2.2.1.1 Page 11 of 31 03/01/2022 13:43:09

D 1.2 Comment Report

C/ 166 SC 166.2.2.1.1	P 69	L 21	# 71	C/ 166 SC 166.2.2	2.1.4 P71	L 50	# 74
Pérez - Aranda, Rubén	KDPOF			Pérez - Aranda, Rubén	KDPOF		
Comment Type T	Comment Status D		Text improvement	Comment Type T	Comment Status D		Text improveme
Upon PHD reception,					-bit chunk is processed, rep		
SuggestedRemedy					ks resulting of the processir ed". In my opinion nothing a		
Should be: Upon reception	on of valid PHD,			SuggestedRemedy	ou . In my opinion nouning u	ind it may be come	
Proposed Response PROPOSED ACCEPT.	Response Status W			Should be: Then, the	ne second 20-bit chunk is re ated 20-bit of the first chunk		and concatenated to
C/ 166 SC 166.2.2.1.1	P70	L19	# 72	Proposed Response	Response Status W		
	KDPOF	213	π 12	PROPOSED ACCER	PT.		
Pérez - Aranda, Rubén Comment Type T	Comment Status D		Text improvement	C/ 166 SC 166.2.2	2.2 P72	L 5	# 75
				Dénes Anondo Dubén	KDPOF		
Only one filed exists				Perez - Aranda, Ruben	KUPUF		
,				Pérez - Aranda, Rubén Comment Type T	Comment Status D		PCS proces
SuggestedRemedy	ID.TX.NEXT.MODE is used	d bv the local PH	Y to provide the link	Comment Type T		ne 64B/65B encode	,
SuggestedRemedy Should be: The field PH partner transmission mod	ID.TX.NEXT.MODE is used de of the next Transmit Blo			Comment Type T "structured into 36 g	Comment Status D		, er processes the xMII
SuggestedRemedy Should be: The field PH partner transmission mod reception.				Comment Type T "structured into 36 g	Comment Status D roups of 80 65-bit blocks".Th		
SuggestedRemedy Should be: The field PH partner transmission mor reception. Proposed Response	de of the next Transmit Blo Response Status W	ock, so that the re	emote PHY can align its	Comment Type T "structured into 36 g input regardless the SuggestedRemedy	Comment Status D roups of 80 65-bit blocks".Th	thout awareness o	, er processes the xMII
SuggestedRemedy Should be: The field Ph partner transmission mor reception. Proposed Response PROPOSED ACCEPT IN used by the local PHY to	de of the next Transmit Blo <i>Response Status</i> W N PRINCIPLE. Replace with provide the transmission r	ock, so that the re h "The field PHD mode of the next	mote PHY can align its .TX.NEXT.MODE is	Comment Type T "structured into 36 g input regardless the SuggestedRemedy Replace with: "equiv Proposed Response	Comment Status D roups of 80 65-bit blocks".Th Transmit Block structure, wi alent to 2880 65-bit blocks". Response Status W	thout awareness o	, er processes the xMII
SuggestedRemedy Should be: The field Ph partner transmission mor reception. Proposed Response PROPOSED ACCEPT IN used by the local PHY to	de of the next Transmit Blo <i>Response Status</i> W N PRINCIPLE. Replace with	ock, so that the re h "The field PHD mode of the next	mote PHY can align its .TX.NEXT.MODE is	Comment Type T "structured into 36 g input regardless the SuggestedRemedy Replace with: "equiv	Comment Status D roups of 80 65-bit blocks".Th Transmit Block structure, wi alent to 2880 65-bit blocks". Response Status W	thout awareness o	, er processes the xMII
SuggestedRemedy Should be: The field PH partner transmission more reception. Proposed Response PROPOSED ACCEPT IN used by the local PHY to remote PHY, so that the	de of the next Transmit Blo Response Status W N PRINCIPLE. Replace with provide the transmission r remote PHY can align its r	ock, so that the re h "The field PHD mode of the next	mote PHY can align its .TX.NEXT.MODE is	Comment Type T "structured into 36 g input regardless the SuggestedRemedy Replace with: "equiv Proposed Response	Comment Status D roups of 80 65-bit blocks".Th Transmit Block structure, wi alent to 2880 65-bit blocks". Response Status W PT.	thout awareness o	, er processes the xMII
SuggestedRemedy Should be: The field PH partner transmission mod reception. Proposed Response PROPOSED ACCEPT IN used by the local PHY to remote PHY, so that the	de of the next Transmit Blo Response Status W N PRINCIPLE. Replace with provide the transmission r remote PHY can align its r	ock, so that the re h "The field PHD mode of the next reception."	TX.NEXT.MODE is	Comment Type T "structured into 36 g input regardless the SuggestedRemedy Replace with: "equiv Proposed Response PROPOSED ACCEF	Comment Status D roups of 80 65-bit blocks".Th Transmit Block structure, wi alent to 2880 65-bit blocks". Response Status W PT.	thout awareness o	r processes the xMII f groups.
SuggestedRemedy Should be: The field Ph partner transmission mod reception. Proposed Response PROPOSED ACCEPT IN used by the local PHY to remote PHY, so that the Cl 166 SC 166.2.2.1.1 Pérez - Aranda, Rubén	de of the next Transmit Blo <i>Response Status</i> W N PRINCIPLE. Replace with provide the transmission r remote PHY can align its r <i>P</i> 70	ock, so that the re h "The field PHD mode of the next reception."	TX.NEXT.MODE is	Comment Type T "structured into 36 g input regardless the SuggestedRemedy Replace with: "equiv Proposed Response PROPOSED ACCEF CI 166 SC 166.2.2	Comment Status D roups of 80 65-bit blocks".Th Transmit Block structure, wi alent to 2880 65-bit blocks". Response Status W PT. 2.4 P72	thout awareness o	r processes the xMII f groups.
SuggestedRemedy Should be: The field Ph partner transmission mod reception. Proposed Response PROPOSED ACCEPT IN used by the local PHY to remote PHY, so that the Cl 166 SC 166.2.2.1.1 Pérez - Aranda, Rubén Comment Type E	de of the next Transmit Blo <i>Response Status</i> W N PRINCIPLE. Replace with provide the transmission r remote PHY can align its r <i>P</i> 70 KDPOF	bck, so that the re h "The field PHD mode of the next reception." <i>L</i> 25	TX.NEXT.MODE is Transmit Block to the # 73 Text improvement	Comment Type T "structured into 36 g input regardless the SuggestedRemedy Replace with: "equiv Proposed Response PROPOSED ACCEF CI 166 SC 166.2.2 Pérez - Aranda, Rubén Comment Type E	Comment Status D roups of 80 65-bit blocks".Th Transmit Block structure, wi alent to 2880 65-bit blocks". Response Status W PT. 2.4 P72 KDPOF	ithout awareness o	f groups. # <u>90</u>
SuggestedRemedy Should be: The field Ph partner transmission mod reception. Proposed Response PROPOSED ACCEPT IN used by the local PHY to remote PHY, so that the C/ 166 SC 166.2.2.1.1 Pérez - Aranda, Rubén Comment Type E Should be period instead	de of the next Transmit Blo <i>Response Status</i> W N PRINCIPLE. Replace with provide the transmission r remote PHY can align its r <i>P</i> 70 KDPOF <i>Comment Status</i> D	bck, so that the re h "The field PHD mode of the next reception." <i>L</i> 25	TX.NEXT.MODE is Transmit Block to the # 73 Text improvement	Comment Type T "structured into 36 g input regardless the SuggestedRemedy Replace with: "equiv Proposed Response PROPOSED ACCEF CI 166 SC 166.2.2 Pérez - Aranda, Rubén Comment Type E	Comment Status D roups of 80 65-bit blocks".Th Transmit Block structure, wi alent to 2880 65-bit blocks". Response Status W PT. 2.4 P72 KDPOF Comment Status D	ithout awareness o	f groups. # <u>90</u>
SuggestedRemedy Should be: The field Ph partner transmission mod reception. Proposed Response PROPOSED ACCEPT IN used by the local PHY to remote PHY, so that the C/ 166 SC 166.2.2.1.1 Pérez - Aranda, Rubén Comment Type E Should be period instead	de of the next Transmit Blo <i>Response Status</i> W N PRINCIPLE. Replace with provide the transmission r remote PHY can align its r <i>P</i> 70 KDPOF <i>Comment Status</i> D	bck, so that the re h "The field PHD mode of the next reception." <i>L</i> 25	TX.NEXT.MODE is Transmit Block to the # 73 Text improvement	Comment Type T "structured into 36 g input regardless the SuggestedRemedy Replace with: "equiv Proposed Response PROPOSED ACCEF CI 166 SC 166.2.2 Pérez - Aranda, Rubén Comment Type E ten-bit —> 10-bit, for SuggestedRemedy	Comment Status D roups of 80 65-bit blocks".Th Transmit Block structure, wi alent to 2880 65-bit blocks". Response Status W PT. 2.4 P72 KDPOF Comment Status D	ithout awareness o <i>L</i> 45 in many places	r processes the xMII f groups. # <u>90</u> <i>Text improveme</i>
SuggestedRemedy Should be: The field Ph partner transmission mod reception. Proposed Response PROPOSED ACCEPT IN used by the local PHY to remote PHY, so that the Cl 166 SC 166.2.2.1.1 Pérez - Aranda, Rubén Comment Type E Should be period instead SuggestedRemedy	de of the next Transmit Blo <i>Response Status</i> W N PRINCIPLE. Replace with provide the transmission r remote PHY can align its r <i>P</i> 70 KDPOF <i>Comment Status</i> D	bck, so that the re h "The field PHD mode of the next reception." <i>L</i> 25	TX.NEXT.MODE is Transmit Block to the # 73 Text improvement	Comment Type T "structured into 36 g input regardless the SuggestedRemedy Replace with: "equiv Proposed Response PROPOSED ACCEF CI 166 SC 166.2.2 Pérez - Aranda, Rubén Comment Type E ten-bit —> 10-bit, for SuggestedRemedy	Comment Status D roups of 80 65-bit blocks".Th Transmit Block structure, wi alent to 2880 65-bit blocks". <i>Response Status</i> W PT. 2.4 P72 KDPOF <i>Comment Status</i> D consistency.This happens i	ithout awareness o <i>L</i> 45 in many places	f groups. # <u>90</u> <i>Text improveme</i>

C/ 166 SC 166.2.2.4

IEEE 8	02.cz Multi-Gi	g Aut IEEE P802.3	cz D1.2 Multi	Gig Automotive Optica	al Ethernet	PHY 2nd Tasl	k Force review commen	ts D	1.2 Comment Report
CI 166	SC 166.2.2.5	P 74	L 46	# 89	C/ 166	SC 166.2.2.5	P74	L 48	# 91
Pérez - Ara	anda, Rubén	KDPOF			Pérez - Ai	anda, Rubén	KDPOF		
Comment It is no	<i>Type</i> E t clear which shift	Comment Status D t register is.		LFSR		••	Comment Status D g hexadecimal digits, but not b	inary ones. In	Text improvement dicating "rightmost bit"
Suggested Chang	-	edback shift register of the l	binary scrambler	shall be initialized	Suggestee				
Proposed I		-			Chang	ge "the rightmost	bit. " to "least significant bit"		
•	OSED ACCEPT.	Response Status W				Response	Response Status W		
C/ 166	SC 166.2.2.5	P 74	L 46	# 85	PROF	POSED ACCEPT			
	anda, Rubén	KDPOF							
Comment	Туре т	Comment Status D		LFSR					
https:// Proposed I	Response	ding to /3/cz/public/may_2021/pere <i>Response Status</i> W	zaranda_3cz_04	_0521_lfsr.pdf					
PROP	OSED ACCEPT.								
C/ 166	SC 166.2.2.5	P74	L 47	# 86					
	anda, Rubén	KDPOF							
https:// include differe	ling to resolution www.ieee802.org an annex with ex	Comment Status D of comment #82 to draft D1. //3/cz/public/may_2021/pere kample LFSR sequence. Be g on the parameter G (1 or 2 ration values.	zaranda_3cz_04 cause the shift re	_0521_lfsr.pdf_to egister is initialized with					
' Suggested									
D1.0, ł		generate similar tables of th it value for G=2. To include of							
Proposed I	Response	Response Status W							
PROP		N PRINCIPLE. A presentation 20111 LFSR) has been rec							

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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 166 SC 166.2.2.5 Page 13 of 31 03/01/2022 13:43:09

D 1.2 Comment Report

C/ 166 SC	C 166.2.3	P 75	L 1	# 92		2.3.6 PCS receive 2.3.7 PCS 64B/65I	Bit order B receive state diagram par	rameters	
Pérez - Aranda,	Rubén	KDPOF			1	6.2.3.7.1 Constan	ts		
Comment Type		Comment Status D		Document layout		6.2.3.7.2 Variable			
				,		6.2.3.7.3 Function			
		ata transmit bit ordering" be				66.2.3.7.4 Counters			
		6.2.2.6.The same for "PCS			166	2.3.8 PCS 64B/65	B receive state diagram		
166.2.2.7, "I	PCS transmit	process" should be 166.2.	2.8, "PCS 64B/6	5B transmission",	0/ 400	00 400 0 4	D	1.04	" [1=
should be 1	66.2.2.9.Base	d on same logics, "PCS re	eceive function"	should new 166.2.3,	C/ 166	SC 166.2.4	P 77	L 24	# 17
and "PCS 6	4B/65B recep	tion" should be 166.2.3.7.			Hayashi,	Takehiro	HAT Lab.		
SuggestedReme	edy					Type E	Comment Status D		Text improvement
Per comme	nt					• •	12 and 166-13 ahould be ha	armonized.	,
Proposed Resp	onse	Response Status W			Suggeste	dPomody			
PROPOSEI		, I PRINCIPLE. Change 166	2 hierarchy to			•			
166.2.1 PC		TTANION EE. Onange 100			Use e	either of "65-bit bloo	k" or "64B/65B block" for b	oth figures	
	S transmit fun	ction			Proposed	Response	Response Status W		
	Physical head				,	,	,		
		eader data (PHD) structure	2				N PRINCIPLE. Replace "64	PRODE DIOCK D	y 65-bit block in Figure
		eader encoding			100-	2 caption			
	.3 Physical he				C/ 166	SC 166.2.5.1	P78	L 24	# 93
		eader three repetition code	e (TRC)						" 80
166.2.2.2	Payload data	path	. ,		Pérez - A	randa, Rubén	KDPOF		
	PCS transmit				Comment	Type E	Comment Status D	PO	CS transmit state machine
	RS-FEC enco				rx bl	ock are from PCS r	eceive functions. They sho	uld be defined i	n that corresponding
	Binary scramb					on, not here.			in that conceptioning
166.2.2.6 I	PCS physical	header data transmit bit or	rder			,			
166.2.2.7	PCS transmit	bit order			Suggeste	•			
	PCS 64B/65B				Move	to "PCS 64B/65B	reception"		
	.8.1 Notation of				Proposed	Response	Response Status W		
	.8.2 65-bit blo								
	.8.3 Control co						N PRINCIPLE. Add a refere		
	2.2.8.3.1 Idle (2.2.8.3.2 LPI (/				in PC	S 64B/65B reception	on section to avoid spread	of notation along	g the document.
	2.2.8.3.3 Start								
	2.2.8.3.4 Term								
	2.2.8.3.5 Orde								
	2.2.8.3.6 Error	X Y							
		transmit state diagram pa	rameters						
	.9.1 Constants	0 1							
166.2.2.	.9.2 Variables								
166.2.2.	.9.3 Functions	5							
166.2.2.10) PCS 64B/65I	B transmit state diagram							
	S receive fund								
	Binary descra								
	RS-FEC deco								
	PCS receiver	0							
	PHD decoding								
166.2.3.5 I	Invalid 65-bit b	plocks							
TYPE: TR/techn	nical required	ER/editorial required GR/	general required	T/technical E/editorial G/	general		C/ 10	66	Page 14 of 31

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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 166 SC 166.2.5.1 Page 14 of 31 03/01/2022 13:43:09

D 1.2 Comment Report

C/ 166 S	SC 166.2.5.2	P 78	L 30	# 94	C/ 166	SC 166.2.5.2	P 78	L 36	# 96
Pérez - Arand	a, Rubén	KDPOF	:		Pérez - Ar	anda, Rubén	KDPOF		
Comment Typ Just desci SuggestedRei Remove li	ription, not spe medy	Comment Status I)	Overspecification	stream	ol time Ts as well ns aware. Shall s ers per Transmit	Comment Status D as symbols themselves ar tatement should be for the Block is information redund	entire state diagra	am. Number of xMII
roposed Res	sponse	Response Status	N		Suggestee	lRemedy			
		N PRINCIPLE.			Remo	ve full paragraph			
		ii_enable in page 96 text for value false as		5B transmit state	Proposed	Response	Response Status W		
FALS Fault orde	SE: The 64B/6 ered set(s) are		encode the xMII trans ed 65-bit blocks, which		72, lin	e 5: "5760 XGMII	IN PRINCIPLE. Remove th /25GMII or 2880 50GMII da on mode, when link is esta	ata transfers are e	
Move defi	nition of sotxb	synch in page 96 line	e 16 and rx xmii enal	ble in page 96 line 22 to	C/ 166	SC 166.2.5.2	P78	L 41	# 97
	65B receive s			1 3 4	Pérez - Ar	anda, Rubén	KDPOF		
Delete pos	s reset from F	CS 64B/65B receive	state variables becau	use already defined	Comment	Туре Т	Comment Status D		Overspecification
before							er of implementation and n		
C/ 166 S	SC 166.2.5.2	P 78	L 32	# 95			e fulfilled. This paragraph of different implementation si		
pérez - Arand		KDPOF		# 33			nding shall statements of c		
Comment Typ	,	Comment Status		Overspecification	Suggested	Remedy			
51		uld be for the comple		,	Remo	ve full paragraph			
Generatio	n of LBLOCK	T is already in the state.		0	•	Response OSED ACCEPT.	Response Status W		
SuggestedRei	medy								
Remove f	ull paragraph				C/ 166	SC 166.2.5.2	P 78	L 46	# 98
Proposed Res		Response Status	N			anda, Rubén	KDPOF		
PROPOSI	ED ACCEPT.				Comment This is	51	Comment Status D ation. It should include sha	-	S transmit state machine
					specif	ce paragraph as: ied in the PCS 64	"The PCS transmit proces: B/65B transmit state diagr graph to section "PCS 64E	am (see166.2.6.2	, and Figure166–16).
					Proposed	Response	Response Status W		
					Remo Modify encod	v page 72 line 3 to ed into 65-bit blo	•	om the xMII shall t gure 166–7) for tr	be encapsulated and ansmission as
			d GR/general require						

SORT ORDER: Clause, Subclause, page, line

D 1.2 Comment Report

				U U	·
C/ 166	SC 166.2.5.3	P 79	L 12	# 132	
Pérez - Ara	anda, Rubén	KDPOI	F		
25GBA about	ormat of the 65-bit ASE-AU PCS is as	s shown …"A more co rmat of the 65-bit blo	E-AU, 5GBASE-AU ompact form, and t	Text improved I, 10GBASE-AU, and aking into account it is CS connected to	ment
	full PCS spec and	d replace to use com rder to be consistent		d the use of BASE-AU (PMA, EEE, …)	
Proposed PROP	Response OSED ACCEPT.	Response Status	W		
C/ 166	SC 166.2.5.3	P 80	L 34	# 99	
Pérez - Ara	anda, Rubén	KDPOI	F		
Suggested Chang 0x00 is Proposed I	IRemedy to read: "All unu s reserved for LPI	indicate refresh and used values of block t mode to indicate refr <i>Response Status</i>	ype field are not va esh and wake (see	lid in normal operation. 166.4).	
C/ 166	SC 166.2.5.4	P 81	L 1	# 100	
Pérez - Ara	anda, Rubén	KDPOI	F		
(reserv separa Suggested	ontrol codes in tab ved0 to 5) are not ated tables should IRemedy	valid for 50GMII/XLG be used for XGMII/2	XGMII and 25GMI MII, at least not de 5GMII and 50GMII.		
Use tw	o separate tables	per comment, as in	clause 113, and mo	odify text accordingly.	
Proposed PROP	•	<i>Response Status</i> Use Table 113-1 and		erence.	

C/ 166	SC 166.2.5.5	P 81	L 36	# 110
Pérez - Ar	anda, Rubén	KDPOF		
Comment	Туре Е	Comment Status D		Document layou
166.2. 166.2.	5.4.3, 166.2.5.8 s	6.2.5.4.1, 166.2.5.6 shou hould be 166.2.5.4.4, 16 66.2.5.4.6. These subcla e.g. /l/, /Ll/, etc.	6.2.5.9 should be 1	66.2.5.4.5, and
Suggested Per co	<i>IRemedy</i> mment.			
PROP		Response Status W IN PRINCIPLE. See #92		
C/ 166	SC 166.2.5.9	P 82	L 42	# 107
Pérez - Ar	anda, Rubén	KDPOF		
Comment	Туре Т	Comment Status D		Overspecification
specif 64B/6	ication. "Training r 5B transmit state mit Block. Training	dant with the state diagra mode" is a consequence diagram, and LFSR set t g mode is not a specifica	of the Link Monitor o defined init value	state diagram, the
00	Inemedy			

Remove paragraph.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Modify to "Continuous LBLOCK_T are transmitted when link has not been established yet (see 166.2.6.2 and Figure 166-16). For BASE-U PCS connected to XGMII/25GMII, LBLOCK_T contains two Local Fault ordered sets. For BASE-U PCS connected to 50GMII, LBLOCK_T contains only one Local Fault ordered set. The Local Fault ordered set is defined in 46.3.4."

C/ 166	SC 166.2.6.1.1	P8	3	L18	# 121	
Pérez - Aı	anda, Rubén	KDPO	OF			
Comment Type E Comment Status D Docume 166.2.6.1.1 should be 166.2.6.2, 166.2.6.1.2 should be 166.2.6.3, therefore 166.2.6 be 166.2.6.4.						
Suggested Per co	dRemedy omment.					
Proposed	Response	Response Status	w			

PROPOSED ACCEPT IN PRINCIPLE. See #92

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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 166 SC 166.2.6.1.1 Page 16 of 31 03/01/2022 13:43:09

D 1.2 Comment Report

	0			Ū	·
C/ 166	SC 166.2.6.1.1	P83	L 26	# 109	C
Pérez - Ar	anda, Rubén	KDPOF			P
Comment	Туре Т	Comment Status D		PCS transmit state machi	ne Co
The fo	rmat for this vector	is shown in Figure166	6–14.		
Suggested	IRemedy				Su
	SE-AU, 10GBASE-			–14 for 2.5GBASE-AU, jure 166-15 for 50GBASE-	_
Proposed		Response Status W			Pi
	OSED ACCEPT.				_
					CI
C/ 166	SC 166.2.6.1.1	P 83	L 29	# 163	P
Pérez - Ar	anda, Rubén	KDPOF			Co
Comment	Туре Е	Comment Status D		Text improveme	ent
"For 2	.5GBASE-AU, 5GB	ASE-AU, 10GBASE-A	U, and 25GBA	E-AU PHYs, vector	
contai	ning two successive	e XGMII or 25GMII tra	nsfers."A more	compact form, and taking	
			-U PCS connec	ted to XGMII/25GMII, vecto	or 🛛
contai	ning two successive	e transfers."			
Suggested	Remedy				
	-	replace to use compa	ct form and avo	id the use of BASE-AU	
		er to be consistent wi			
Proposed	_	Response Status W		, ,	Sı
•	OSED ACCEPT. S	,			
FNOF	USED ACCEPT. 3	ame as #152.			
C/ 166	SC 166.2.6.1.1	P 83	L 34	# 164	
Pérez - Ar	anda, Rubén	KDPOF			
Comment	Type E	Comment Status D		Text improveme	ent
		vector containing a si	ngle 50GMII trai	, nsfer." A more compact	
		ount it is about PCS sp			
	II, vector containing				Pr
Suggested	Remedy	-			F1
00		rankasa ta una asman	ot form and ave	id the use of RASE ALL	
		ler to be consistent wi		id the use of BASE-AU s (PMA, EEE, …)	
Proposed	Response	Response Status W			
PROP	OSED ACCEPT.	-			

C/ 166	SC 166.2.6.1.2	P83	3 L 41	# 111
Pérez - Ara	nda, Rubén	KDPC	DF	
Comment T		Comment Status	-	<i>Text improvement</i> 66.2.5.4.
SuggestedF Change 166.2.5	reference as: "Th	ne ENCODE function	on shall encode the	block as specified in
Proposed R PROPC	esponse ISED ACCEPT.	Response Status	w	
C/ 166	SC 166.2.6.1.2	P8;	3 L 83	# 112
Pérez - Ara	nda, Rubén	KDPC	DF	
Comment T	vpe T	Comment Status	D	PCS transmit state machine

T_BLOCK_TYPE will classify /LI/ as error (E), so LPI mode will not be entered even for a PHY supporting LPI. Asymmetries between XGMII/25GMII and 50GMII (i.e. LI).As it is specified in 166.4, the The BASE-U PCS transmit function in LPI operation mode shall monitor codified 65-bit blocks to detect the condition to resume to normal operation mode.In general, the TX state diagram, as it is specified, has the problem of preventing the LPI operation mode in the PHY, because LPI is not encoded in the generated 65-bit blocks. 64B/65B transmit state diagram has to be transparent encoding /LI/ (fast wake LPI principle).

SuggestedRemedy

Use Clause 49 as reference to revise PCS 64B/65B transmit state functions and state diagram encoding XGMII and 25GMII, so that LPI is encoded in a transparent way. PCS 64B/65B TX state diagram has to be identical to C/49, with the difference of generating 65bit blocks instead of 66-bit-blocks. Use Clause 82 as reference to revise PCS 64B/65B transmit state functions and state diagram encoding 50GMII, so that LPI is encoded in a transparent way. PCS 64B/65B TX state diagram has to be identical to C/82, with the difference of generating 65-bit blocks instead of 66-bit-blocks. Pay attention that state diagrams of Figures 49-16 an 82-16 are identical. Only state functions have differences due to the differences between XGMII/25GMII and 50GMII.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. Use IEEE 802.3/D2.2 Figure 49-16 or Figure 82-16 as base for modification.

C/ 166 SC 166.2.6.1.2 Page 17 of 31 03/01/2022 13:43:09

IEEE 802.cz Multi-Gig Aut	IEEE P802.3cz D1.2 Multi-Gig Automotive Optical Ethernet PHY 2nd Task Force review comments

C/ 166 SC 166.2.6.	1.2 <i>P</i> 84	L 3	# 18	C/ 166 SC 166.2.6.2	P85	L1	# 21
Hayashi, Takehiro	HAT Lab.	LŪ	# 10	Hayashi, Takehiro	HAT Lab.	L ·	<i>T</i>
Comment Type E incorrect indent	Comment Status D		Document layout	Comment Type E	<i>Comment Status</i> D 66-16 is in clause 166.2.7, a	and it is confusir	Document layou
SuggestedRemedy align the leftmost lette	er to the previous line.			5	in clause 166.2.6.2. (Clause	e 166.2.7 should	start after Figure 166-
	Response Status W T. The indentation follows th 23 line 20, 113.3.6.2.4)	e IEEE 802.3 rules	(see, i.e., IEEE Draft	16.) Proposed Response PROPOSED REJECT.		6/ · · ·	
C/ 166 SC 166.2.6.	1.2 <i>P</i> 84	L 13	# 19	read "Figures should be	myproject/Public/mytools/d organized to fit on a single	page with the te	rm, "Figure" and the
Hayashi, Takehiro	HAT Lab.			figure number, followed follows: "Figure 1—Title	by an em dash and the figu " "	re title, centered	l below the figure, as
Comment Type E	Comment Status X		Document layout		emplate automatically arrar	nges the figures	in the document layout.
same as above				CI 166 SC 166.2.7	P 84	L 37	# 123
SuggestedRemedy				Pérez - Aranda, Rubén	KDPOF		
same as above				Comment Type T	Comment Status D		Text improveme
P802.3/D2.2, page 46	Response Status W T. The indentation follows th 23 line 20, 113.3.6.2.4)			166.2.8.1.1."Compliance However, compliance w	ith the associated state vari s should be with associated ith variables, constants, cou npliance with the state diag	state functions and functi	and constants as well.
C/ 166 SC 166.2.6.		L 15	# 20	SuggestedRemedy			
Hayashi, Takehiro Comment Type E	HAT Lab. <i>Comment Status</i> X		Document layout	Remove "including com 166.2.8.1.1."	pliance with the associated	state variables a	as specified in
same as above				Proposed Response	Response Status W		
SuggestedRemedy same as above				PROPOSED ACCEPT.			
Proposed Response	Response Status W						
PROPOSED REJECT	T. The indentation follows the 23 line 20, 113.3.6.2.4)	e IEEE 802.3 rules	(see, i.e., IEEE Draft				

C/ 166 SC 166.2.7

D 1.2 Comment Report

CI 166	SC 166.2.7	P 86	L 5	# 113	C/ 166	SC 166.2.7	P 88	L 8	# 25
Pérez - Ai	randa, Rubén	KDPOF			Hayashi, T	Takehiro	HAT Lab.		
	n the xMII and PM	Comment Status D A sublayer data rates are no			<i>Comment</i> The lo		<i>Comment Status</i> X 166-17 is in clause 166.2.8.1	.1, and it is conf	Document layou
rates.' is sou	"This is confuse. F Irce synchronous,	dles, or deletes sequence of PMA recovers data and clock so the clock is defined by th is a matter of implementatio	k, which are prov e PCS. If differe	vided to PCS. The xMII nt clock domains are	Suggested Move t Proposed	the figure 166-1	7 in clause 166.2.7		
Suggested Remo Proposed	perability.Rate ma dRemedy ove paragraph. Response POSED ACCEPT.	itching is performed in the P Response Status W	CS transmit fund	ction. See 166.2.5.	PROP "https: read "l figure follows	/ OSED REJECT //mentor.ieee.or Figures should b number, followe s: "Figure 1—Tit	Response Status W This draft follows rg/myproject/Public/mytools/d be organized to fit on a single ad by an em dash and the figu le".". D template automatically arrar	page with the te re title, centered	rm, "Figure" and the I below the figure, as
C/ 166	SC 166.2.7	P 86	L11	# 114	C/ 166	SC 166.2.7	P88	L 8	# 24
^o érez - Ai	randa, Rubén	KDPOF			Hayashi, T	Takehiro	HAT Lab.		
	<i>Type</i> E mission Block	Comment Status D		Text improvement	<i>Comment</i> The lo	21	Comment Status D 166-17 is wrong. (The order of	of Figure 177-17	<i>Document layo</i> and -18 is converse)
	dRemedy ge to "Transmit Bl	ock"			Suggested Move	•	7 brfore the figure 166-18.		
•	Response POSED ACCEPT.	Response Status W				OSED ACCEPT	Response Status W I IN PRINCIPLE. PCS receive block to the XGMII or 25GMI		
C/ 166	SC 166.2.7	P 87	L 8	# 26		ck to the 50GMI		,	11 0
Hayashi, ⁻	Takehiro	HAT Lab.			C/ 166	SC 166.2.7	P 89	L 3	# 27
	Type E	Comment Status D		Document layout	Hayashi, T	Takehiro	HAT Lab.		
	ocation of Figure 1 dRemedy	66-18 is in clause 166.2.7.6	, and it is confus	sing	<i>Comment</i> The lo		Comment Status X 166-19 is in clause 166.2.8.1	.1, and it is conf	Document layo
Move	the figure 166-18	in clause 166.2.7			Suggested	IRemedy			
Proposed	Response	Response Status W			00		9 in clause 166.2.7		
PROF	POSED REJECT.	Figure 166-18 shows the fur	nctionality descri	bed in 166.2.7.6	mappi	OSED ACCEPT	Response Status W F IN PRINCIPLE. PCS receive block to the XGMII or 25GMI I third.		

C/ 166 SC 166.2.7

IEEE 802.cz Multi-Gig Aut	IEEE P802.3cz D1.2 Multi-Gig Automotive Optical Ethernet PHY 2nd Task Force review comments

Move the figure 166-20 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7 P93 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status X The location of Figure 166-21 is in clause 166.3.1, SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1	draft/styleman.pdf e page with the te ure title, centered anges the figures i <i>L</i> 6	f". In page 33 can be rm, "Figure" and the I below the figure, as in the document layout. # 23 Document layout	Comment "R_BL Suggeste Chan Proposed PROF C/ 166 Pérez - A Comment RS-FI Suggeste Add: ' RS-FI	LOCK_TYPE of the OCK_TYPE, but E dRemedy ge to: "R_BLOCK_ <i>Response</i> POSED ACCEPT. SC 166.2.7.2 randa, Rubén <i>Type</i> T EC codeword error dRemedy "and the codeword	KDPOF Comment Status D e affected 65-bit blocks equi- TYPE of the affected 65-bi Response Status W P86 KDPOF Comment Status D r counter operates in BER to shall be counted as a RS-F counter (see 45.2.3.87h)" Response Status W	t blocks equal to <i>L</i> 27 est mode and no	E. # <u>78</u> <i>RS-FEC counter</i> ormal operation mode.
The location of Figure 166-20 is in clause 166.3.1, SuggestedRemedy Move the figure 166-20 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7 P93 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status X The location of Figure 166-21 is in clause 166.3.1, SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1 P86	draft/styleman.pdf e page with the te ure title, centered anges the figures i <i>L</i> 6	ng. f". In page 33 can be rrm, "Figure" and the I below the figure, as in the document layout. # 23 Document layout	"R_BI R_BL Suggeste Chan Proposed PROF C/ 166 Pérez - A Comment RS-FI Suggeste Add: RS-FI	LOCK_TYPE of the OCK_TYPE, but E dRemedy ge to: "R_BLOCK_ Response POSED ACCEPT. SC 166.2.7.2 randa, Rubén T DEC codeword error dRemedy "and the codeword EC codeword error Response	TYPE of the affected 65-bit blocks equination TYPE of the affected 65-bit <i>Response Status</i> W P86 KDPOF <i>Comment Status</i> D r counter operates in BER to shall be counted as a RS-F counter (see 45.2.3.87h)"	t blocks equal to <i>L</i> 27 est mode and no	t valid value for E. # <u>78</u> <i>RS-FEC counter</i> rmal operation mode.
SuggestedRemedy Move the figure 166-20 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arras C/ 166 SC 166.2.7 P93 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status X The location of Figure 166-21 is in clause 166.3.1, SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arras C/ 166 SC 166.2.7.1 P86	draft/styleman.pdf e page with the te ure title, centered anges the figures i <i>L</i> 6	f". In page 33 can be rm, "Figure" and the I below the figure, as in the document layout. # 23 Document layout	R_BL Suggeste Chan Proposed PROF Cl 166 Pérez - A Comment RS-Fl Suggeste Add: ' RS-Fl Proposed	OCK_TYPE, but E dRemedy ge to: "R_BLOCK_ Response POSED ACCEPT. SC 166.2.7.2 randa, Rubén T Type T EC codeword error dRemedy "and the codeword EC codeword error Response	TYPE of the affected 65-bi <i>Response Status</i> W <i>P</i> 86 KDPOF <i>Comment Status</i> D r counter operates in BER to shall be counted as a RS-f counter (see 45.2.3.87h)"	t blocks equal to <i>L</i> 27 est mode and no	E. # <u>78</u> <i>RS-FEC counter</i> ormal operation mode.
Move the figure 166-20 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7 P93 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status X The location of Figure 166-21 is in clause 166.3.1, SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1 P86	e page with the te ure title, centered anges the figures i <i>L</i> 6	rm, "Figure" and the I below the figure, as in the document layout. # 23 Document layout	Suggeste Chan Proposed PROF C/ 166 Pérez - A Comment RS-Fl Suggeste Add: RS-Fl Proposed	dRemedy ge to: "R_BLOCK_ POSED ACCEPT. SC 166.2.7.2 randa, Rubén T Type T EC codeword error dRemedy "and the codeword EC codeword error Response	TYPE of the affected 65-bi <i>Response Status</i> W <i>P</i> 86 KDPOF <i>Comment Status</i> D r counter operates in BER to shall be counted as a RS-f counter (see 45.2.3.87h)"	L 27 est mode and no	# <u>78</u> <i>RS-FEC counter</i> ormal operation mode.
Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7 P93 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1 P86	e page with the te ure title, centered anges the figures i <i>L</i> 6	rm, "Figure" and the I below the figure, as in the document layout. # 23 Document layout	Chan Proposed PROF Cl 166 Pérez - A Comment RS-F Suggeste Add: RS-F Proposed	ge to: "R_BLOCK_ <i>Response</i> POSED ACCEPT. SC 166.2.7.2 randa, Rubén <i>Type</i> T EC codeword error <i>dRemedy</i> "and the codeword EC codeword error <i>l Response</i>	Response Status W P86 KDPOF Comment Status D counter operates in BER to shall be counted as a RS-f counter (see 45.2.3.87h)"	L 27 est mode and no	# <u>78</u> <i>RS-FEC counter</i> ormal operation mode.
PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7 P93 Hayashi, Takehiro HAT Lab. Comment Type E SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1 P86	e page with the te ure title, centered anges the figures i <i>L</i> 6	rm, "Figure" and the I below the figure, as in the document layout. # 23 Document layout	Proposed PROF Cl 166 Pérez - A Comment RS-F Suggeste Add: ' RS-F Proposed	I Response POSED ACCEPT. SC 166.2.7.2 randa, Rubén Type T EC codeword error dRemedy "and the codeword EC codeword error Response	Response Status W P86 KDPOF Comment Status D counter operates in BER to shall be counted as a RS-f counter (see 45.2.3.87h)"	L 27 est mode and no	# <u>78</u> <i>RS-FEC counter</i> ormal operation mode.
 "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7 P93 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status X The location of Figure 166-21 is in clause 166.3.1; SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1 P86 	e page with the te ure title, centered anges the figures i <i>L</i> 6	rm, "Figure" and the I below the figure, as in the document layout. # 23 Document layout	PROF C/ 166 Pérez - A Comment RS-FI Suggeste Add: RS-FI Proposed	POSED ACCEPT. SC 166.2.7.2 randa, Rubén Type T EC codeword error dRemedy "and the codeword EC codeword error Response	P 86 KDPOF Comment Status D counter operates in BER to shall be counted as a RS-F counter (see 45.2.3.87h)"	est mode and no	RS-FEC counter
figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra <i>Cl</i> 166 <i>SC</i> 166.2.7 <i>P</i> 93 Hayashi, Takehiro HAT Lab. <i>Comment Type</i> E <i>Comment Status</i> X The location of Figure 166-21 is in clause 166.3.1, <i>SuggestedRemedy</i> Move the figure 166-21 in clause 166.2.7 <i>Proposed Response Response Status</i> W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra <i>Cl</i> 166 <i>SC</i> 166.2.7.1 <i>P</i> 86	ure title, centered anges the figures i <i>L</i> 6	I below the figure, as in the document layout. # 23 Document layout	Pérez - A Comment RS-Fl Suggeste Add: RS-Fl Proposed	randa, Rubén Type T EC codeword error <i>dRemedy</i> "and the codeword EC codeword error <i>Response</i>	KDPOF Comment Status D counter operates in BER to shall be counted as a RS-F counter (see 45.2.3.87h)"	est mode and no	RS-FEC counter
The FrameMaker V5.0 template automatically array Cl 166 SC 166.2.7 P 93 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status X The location of Figure 166-21 is in clause 166.3.1, SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figure 1—Title".". The FrameMaker V5.0 template automatically array Cl 166 SC 166.2.7.1	L6	# 23 Document layout	Comment RS-FI Suggeste Add: ' RS-FI Proposed	Type T EC codeword error <i>dRemedy</i> "and the codeword EC codeword error <i>Response</i>	Comment Status D counter operates in BER to shall be counted as a RS-F counter (see 45.2.3.87h)"		ormal operation mode.
Cl 166 SC 166.2.7 P 93 Hayashi, Takehiro HAT Lab. Comment Type E Comment Status X The location of Figure 166-21 is in clause 166.3.1, SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically array C/ 166 SC 166.2.7.1	L6	# 23 Document layout	RS-Fl Suggeste Add: ' RS-Fl Proposed	EC codeword error <i>dRemedy</i> "and the codeword EC codeword error <i>I Response</i>	shall be counted as a RS-f counter (see 45.2.3.87h)"		ormal operation mode.
Hayashi, Takehiro HAT Lab. Comment Type E Comment Status X The location of Figure 166-21 is in clause 166.3.1, SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1		Document layout	Suggeste Add: ' RS-Fl Proposed	dRemedy "and the codeword EC codeword error I Response	shall be counted as a RS-F counter (see 45.2.3.87h)"		·
Comment Type E Comment Status X The location of Figure 166-21 is in clause 166.3.1, SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1	and it is confusin		Add: ' RS-Fl Proposed	"and the codeword EC codeword error Response	counter (see 45.2.3.87h)"	FEC codeword er	rror and reflected in the
The location of Figure 166-21 is in clause 166.3.1, SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1 P86	and it is confusin		RS-FI Proposed	EC codeword error Response	counter (see 45.2.3.87h)"	FEC codeword er	rror and reflected in the
SuggestedRemedy Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1 P86	and it is confusir.	ıg.	Proposed	Response	· · · · · · · · · · · · · · · · · · ·		
Move the figure 166-21 in clause 166.2.7 Proposed Response Response Status W PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1 P 86			•	•	Response Status W		
Proposed ResponseResponse StatusWPROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arraC/166SC 166.2.7.1P 86			PROF	POSED ACCEPT			
PROPOSED REJECT. This draft follows "https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra C/ 166 SC 166.2.7.1 P86				OOLD / OOLI II.			
"https://mentor.ieee.org/myproject/Public/mytools/ read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra Cl 166 SC 166.2.7.1 P 86			C/ 166	SC 166.2.7.3	P86	L 33	# 117
read "Figures should be organized to fit on a single figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra Cl 166 SC 166.2.7.1 P86		6 1	Pérez - A	randa, Rubén	KDPOF		
figure number, followed by an em dash and the fig follows: "Figure 1—Title".". The FrameMaker V5.0 template automatically arra <i>Cl</i> 166 SC 166.2.7.1 <i>P</i> 86			Comment		Comment Status D		Text improvement
C/ 166 SC 166.2.7.1 P86	ure title, centered	l below the figure, as	Figure	51	specifies PHD sub-blocks of	concatenation to	,
	nges the figures i	in the document layout.	Suggeste	dRemedv			
Pérez - Aranda Rubén KDPOF	L 19	# 115		•	ad: "The PCS receiver orde	ering shall separa	ate from each RS-FEC
			mess	age the group of 8	0 65-bit blocks and 20-bit e	ncoded PHD sub	o-block as specified in
Comment Type T Comment Status D		Text improvement			20-bit encoded PHD sub-blo ated to compose an encode		ne same Transmit
"using the same polynomial". To be accurate, it is	the same linear-fe	•		Response		eu FHD.	
not just polynomial.		0	,	POSED ACCEPT.	Response Status W		
SuggestedRemedy			PRUF	-USED ACCEPT.			
Change to: "using the same LFSR with same initia	lization value"						
Proposed Response Response Status W							
PROPOSED ACCEPT.							

C/ 166 SC 166.2.7.3 Page 20 of 31 03/01/2022 13:43:09

IEEE 802.cz Multi-Gig Aut	IEEE P802.3cz D1.2 Multi-Gig	Automotive Op	ptical Ethernet PHY 2nd	Task Force review comments

C/ 166 SC 166.2.7.5	P 86	L 49	# 119	C/ 166	SC 166.2.8.1	.1 P87	L 48	# 122
Pérez - Aranda, Rubén	KDPOF			Pérez - Ai	randa, Rubén	KDPOF		
Comment Type T Not clear what is payloa	Comment Status D d.		Text improvement		.8.1.1 should be	<i>Comment Status</i> D 166.2.8.2, 166.2.8.1.2 shoul 6.2.8.2 will be 166.2.8.5.	d be 166.2.8.3, 10	<i>Document layout</i> 66.2.8.1.3 should be
S <i>uggestedRemedy</i> Change to: "The 65-bit b	block contains information free	om an invalid RS	-FEC codeword"	Suggestee	- ,			
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed	Response	Response Status W IN PRINCIPLE. See #92		
C/ 166 SC 166.2.7.5	P 86	L 51	# 120					
Pérez - Aranda, Rubén	KDPOF			C/ 166	SC 166.2.8.1	.1 P 89	L 28	# <u>1</u> 24
Comment Type T	Comment Status D		Invalid block	Pérez - Ai	randa, Rubén	KDPOF		
Wrong cross reference.	Redundant specification.			Comment The fo		Comment Status D tor is shown in Figure166–14	4.	Text improvement
SuggestedRemedy	" — 」			Suggestee	dRemedy	-		
FEC messages, with err specified in 166.2.2.4."	nce as: "The descrambled b or correction and error deter Remove paragraphs 51 thro	ction, consistent		Repla	ce with: "The forr SE-AU, 10GBAS	nat for this vector is shown i E-AU, and 25GBASE-AU P		
Proposed Response	Response Status W				Response	Doononoo Statua M		
PROPOSED ACCEPT I Replace lines 44 to 54 b	y:	at to /F/ if any of t	the following	,	POSED ACCEPT	Response Status W		
conditions exist:	and its R_BLOCK_TYPE se	et to /E/ II any of I	ne ioliowing	C/ 166	SC 166.2.8.1	.2 P 89	L 46	# 125
a) The block type fields	contains reserved value (see	e 166.2.8.1.2).	400 (Pérez - Ai	randa, Rubén	KDPOF		
b) Any control character 166.2.8.1.2).	contains a value not in Tab	le 166-44 and 1a	Die 166-XXX (see	Comment	Type T	Comment Status D		Text improvement
c) Any O code contains	a value not in Table 166-44				21	shall decode the rx_block b	ased on code spe	,
/	ains information from the pa	yload of an invali	d RS-FEC codeword	Suggestee		_	·	
(see 166.2.7.2)." Table 166-xxx is a new t	able to be included if comm	ent #100 is appro		Chang		The DECODE function shal	I decode the rx_b	lock based on code
C/ 166 SC 166.2.7.5	P 86	L 46,47	# 118	•	Response	Response Status W		
Pérez - Aranda, Rubén	KDPOF			,	OSED ACCEPT	,		
Comment Type E	Comment Status D		Text improvement					
	δ-14 should be replaced to re I and 50GMII are separated.		tables, when control					
SuggestedRemedy								
	the references to Table 166 codes for XGMII/25GMII and							
Proposed Response	Response Status W							
PROPOSED ACCEPT.	,							

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 166 SC 166.2.8.1.2 Page 21 of 31 03/01/2022 13:43:10

IEEE 802.cz Multi-Gig Aut	IEEE P802.3cz D1.2 Multi-Gig Automotive Optical Ethernet PHY 2nd Task Force review comments

C/ 166 SC 166.2.8	3.1.2 P90	L15	# 28	C/ 166 SC 166.2.8.1.	2 P90	L 25	# 31
Hayashi, Takehiro	HAT Lab.			Hayashi, Takehiro	HAT Lab.		
Comment Type E incorrect indent	Comment Status X		Document layout	Comment Type E same as above	Comment Status X		Document layou
SuggestedRemedy align the leftmost lett	er to the previous line.			SuggestedRemedy same as above			
	Response Status W T. The indentation follows the 623 line 20, 113.3.6.2.4)	IEEE 802.3 rules	(see, i.e., IEEE Draft	Proposed Response PROPOSED REJECT. P802.3/D2.2, page 462	Response Status W The indentation follows the I 3 line 20, 113.3.6.2.4)	IEEE 802.3 rules	(see, i.e., IEEE Draft
C/ 166 SC 166.2.8	B.1.2 P90	L 19	# 29	C/ 166 SC 166.2.8.1.	2 P 90	L 36	# <u>3</u> 2
Hayashi, Takehiro	HAT Lab.			Hayashi, Takehiro	HAT Lab.		
<i>Comment Type</i> E same as above	Comment Status X		Document layout	Comment Type E same as above	Comment Status X		Document layou
SuggestedRemedy same as above				SuggestedRemedy same as above			
	Response Status W T. The indentation follows the 623 line 20, 113.3.6.2.4)	IEEE 802.3 rules	(see, i.e., IEEE Draft	Proposed Response PROPOSED REJECT. P802.3/D2.2, page 462	Response Status W The indentation follows the I 3 line 20, 113.3.6.2.4)	IEEE 802.3 rules	(see, i.e., IEEE Draft
C/ 166 SC 166.2.8	3.1.2 P90	L 22	# 30	C/ 166 SC 166.2.8.1.	2 P90	L 40	# 33
Hayashi, Takehiro	HAT Lab.			Hayashi, Takehiro	HAT Lab.		
Comment Type E same as above	Comment Status X		Document layout	Comment Type E same as above	Comment Status X		Document layout
SuggestedRemedy same as above				SuggestedRemedy same as above			
Proposed Response	Response Status W			Proposed Response	Response Status W		
	T. The indentation follows the 623 line 20, 113.3.6.2.4)	IEEE 802.3 rules	(see, i.e., IEEE Draft	PROPOSED REJECT. P802.3/D2.2, page 462	The indentation follows the l	IEEE 802.3 rules	(see, i.e., IEEE Draft

C/ 166 SC 166.2.8.1.2

IEEE 802.cz Multi-Gig Aut	IEEE P802.3cz D1.2 Multi-Gig Automotive Optical Ethernet PHY 2nd Task Force review comments

C/ 166 SC 166.2	8.1.2	P 90	L 43	# 34	C/ 166	SC 166.3.2	P9:	L 50	# 128
Hayashi, Takehiro		HAT Lab.			Pérez - Ara	anda, Rubén	KDPC	ΡF	
Comment Type E same as above SuggestedRemedy same as above	Comment S	Status X		Document layout	sampli	MA receive fun ng received syn	nbols and adaptive ch	mit Block synchroniza annel equalization."It	Text improvement ation, clock recovery for can be understood that consistent with pg 94, line
Proposed Response	Response S	tatus W			Suggested	Remedy			
PROPOSED REJE P802.3/D2.2, page	CT. The indentatic 4623 line 20, 113.	n follows the 3.6.2.4)	IEEE 802.3 rules	s (see, i.e., IEEE Draft	Block	synchronization		a recovery from the s	ignal received from the
C/ 166 SC 166.2 Pérez - Aranda, Rubén	8.2	P93 KDPOF	L 11	# 126	which	select the optim	um sampling instants	of time of the receive	ery function in the PMA, d signal. Therefore, I ion coming from PMD RX
Comment Type T LP_BLOCK_R is no	Comment S t defined			Text improvement	Proposed PROP	Response OSED ACCEP1	Response Status	w	
SuggestedRemedy Change to: "LPBLC	CK R"				C/ 166	SC 166.3.3 ./ anda. Rubén	2 P 94 KDPC		# 129
Proposed Response PROPOSED ACCE	– Response S	tatus W			Comment	Type E	Comment Status	D	<i>Text improveme</i> nction with the recovered
/ 166 SC 166.2 érez - Aranda, Rubén omment Type T	8.2 Comment S	P 93 KDPOF Status D	L 18 PC-	# 127	Suggested Chang	e to: "where the	e received signal y(n) duced by the PMD rec		ng by the PMA receive
I_BLOCK_R is not SuggestedRemedy Add definition of IB		8.1, as "72-bit	vector to be sen	t to the xMII containing		OSED ACCEPT	Response Status IN PRINCIPLE. Repl signal produced by the	ace with "where the r	eceived signal y(n) is the on"
/I/ in all the eight ch				-	C/ 166	SC 166.3.4.	I P90	6 L9	# 130
Proposed Response	Response S	tatus W			Pérez - Ara	anda, Rubén	KDPC)F	
PROPOSED ACCE	ΡΙ.				Comment decode	<i>Type</i> T er operation (se	Comment Status e 166.2.7).	D	Text improveme
					Suggested should		peration (see 166.2.8.	2)."	
					Proposed I	Response OSED ACCEP1	Response Status	w	

C/ 166 SC 166.3.4.1

D 1.2 Comment Report

01 400 00	400 0 4 0	800	1 40	11 101	01 400	00 400 0 4 0	D.0-	1.40	11 1 10
	C 166.3.4.2	P 96	L 42	# 131	C/ 166	SC 166.3.4.2	P97	L 18	# 142
Pérez - Aranda,		KDPOF			Pérez - Arar	,	KDPOF		
Comment Type specified in 1		Comment Status D		Text improvement	Comment Ty (LOCPH	<i>rpe</i> T D.TX.NEXT.MC	Comment Status D DDE == 0)		Text improvemen
SuggestedReme should be: sp		66.2.2			SuggestedR should b		K.NEXT.MODE = 0)		
Proposed Respo PROPOSED		Response Status W			Proposed Re PROPO	esponse SED ACCEPT.	Response Status W		
C/ 166 SC	66.3.4.2	P 96	L 45	# 108	C/ 166	SC 166.3.4.3	P 97	L 42	# 143
Pérez - Aranda,	Rubén	KDPOF			Pérez - Arar	ida, Rubén	KDPOF		
Comment Type	т	Comment Status D		Overspecification	Comment Ty	vpe E	Comment Status D		Text improvemen
	m, and LFSF	R set to defined init value at	the beginning of	a Transmit Block.	compen	sate the …"Equ	alizer is no mandatory, it is	implementation	dependent.
Training mod SuggestedReme Remove "(tra	edy					e: When clock	is stable (rcvr_clock_lock = ed) to compensate the	= OK), the PHY	receiver shall train the
SuggestedReme Remove "(tra	edy aining mode onse				should b equalize Proposed Re	e: When clock rs (if implement	`	= OK), the PHY	receiver shall train the
SuggestedReme Remove "(tra Proposed Respo PROPOSED	edy aining mode onse)".	L 50	# 141	should b equalize Proposed Re	e: When clock rs (if implement esponse	ed) to compensate the	= OK), the PHY <i>L</i> 49	receiver shall train the # 144
SuggestedReme Remove "(tra Proposed Respo PROPOSED Cl 166 SC	edy aining mode onse O ACCEPT. C 166.3.4.2)". Response Status W	L 50	# [<u>141</u>	should b equalize Proposed R PROPO	e: When clock rs (if implement esponse SED ACCEPT. SC 166.3.4.3	ed) to compensate the Response Status W	<i></i>	
SuggestedReme Remove "(tra Proposed Respo PROPOSED	edy aining mode onse D ACCEPT. C 166.3.4.2 Rubén)". Response Status W P 96	L 50	# 141 Overspecification	should b equalize Proposed Ro PROPO	e: When clock rs (if implement esponse SED ACCEPT. SC 166.3.4.3 nda, Rubén	ed) to compensate the Response Status W P 97	L 49	
SuggestedReme Remove "(tra Proposed Respo PROPOSED CI 166 SC Pérez - Aranda, I Comment Type ", also called	edy aining mode onse D ACCEPT. C 166.3.4.2 Rubén E d data mode 64B/65B en)". Response Status W P 96 KDPOF	e, however both	Overspecification modes are result of	cl 166 Proposed R PROPO Cl 166 Pérez - Arar Comment Ty Redunda	e: When clock rs (if implement esponse SED ACCEPT. SC 166.3.4.3 nda, Rubén rpe T ant shall stateme	ed) to compensate the Response Status W P97 KDPOF	L 49 F As soon as both	# <u>144</u> Redundant shall statemen link partners detect
SuggestedReme Remove "(tra Proposed Respo PROPOSED Cl 166 SC Pérez - Aranda, I Comment Type ", also called operation of produce cont	edy aining mode onse D ACCEPT. 2 166.3.4.2 Rubén E d data mode 64B/65B en fusion.)". Response Status W P96 KDPOF Comment Status D "This is versus training mod	e, however both	Overspecification modes are result of	cl 166 Proposed R PROPO Cl 166 Pérez - Arar Comment Ty Redund reliable	e: When clock rs (if implement esponse SED ACCEPT. SC 166.3.4.3 ada, Rubén upe T ant shall statem PHD reception (ed) to compensate the Response Status W P97 KDPOF Comment Status D ent (already in 166.3.5.4)"A	L 49 F As soon as both	# <u>144</u> Redundant shall statemen link partners detect
SuggestedReme Remove "(tra Proposed Respo PROPOSED Cl 166 SC Pérez - Aranda, I Comment Type ", also called operation of produce cont	edy aining mode onse D ACCEPT. 2 166.3.4.2 Rubén E d data mode 64B/65B en fusion.)". Response Status W P96 KDPOF Comment Status D "This is versus training mod	e, however both	Overspecification modes are result of	cl should b equalize Proposed R PROPO C/ 166 Pérez - Arar Comment Ty Redund reliable " SuggestedR should b	e: When clock rs (if implement esponse SED ACCEPT. SC 166.3.4.3 ada, Rubén vpe T ant shall stateme PHD reception (emedy re: "As soon as 1	ed) to compensate the Response Status W P97 KDPOF Comment Status D ent (already in 166.3.5.4)"A rcvr_hdr_lock = OK), the P both link partners detect re	<i>L</i> 49 <i>F</i> As soon as both 'HY receiver sha	# <u>144</u> Redundant shall statement link partners detect Il determine according
SuggestedReme Remove "(tra Proposed Respo PROPOSED Cl 166 SC Pérez - Aranda, l Comment Type ", also called operation of produce cont SuggestedReme	edy aining mode onse D ACCEPT. 166.3.4.2 Rubén E d data mode 64B/65B en fusion.)". Response Status W P96 KDPOF Comment Status D "This is versus training mod	e, however both	Overspecification modes are result of	cl should b equalize Proposed R PROPO C/ 166 Pérez - Arar Comment Ty Redund reliable " SuggestedR should b	e: When clock rs (if implement esponse SED ACCEPT. SC 166.3.4.3 ada, Rubén vpe T ant shall stateme PHD reception (emedy re: "As soon as 1	ed) to compensate the Response Status W P97 KDPOF Comment Status D ent (already in 166.3.5.4)"A rcvr_hdr_lock = OK), the P	<i>L</i> 49 <i>F</i> As soon as both 'HY receiver sha	# <u>144</u> Redundant shall statement link partners detect Il determine according

C/ 166 SC 166.3.4.3

CI 166	SC 166.3.4.3	P 99	L 1	# 145	C/ 166	SC 166.3.4.5	P 102	L 27	# 37
Pérez - Ara	anda, Rubén	KDPOF			Hayashi, T	akehiro	HAT Lab.		
(link_st LBLOC	5-bit blocks deco tatus = OK)."I thii CK_R as xMII trar	Comment Status D ding function is stopped until nk decoding function is not re isfers. I think this sentence c not already stated.	ally stopped, b	ecause it is generating	Suggested	cation of Figure 1	<i>Comment Status</i> X 66-27 is in clause 166.3.5.2, in clause 166.3.4.5	and it is confusing	Document layout
Suggested	Remedy				Proposed I	Response	Response Status W		
Remov	/e it.						This draft follows	ft/atudana ana malfil	la nana 22 san ha
Proposed F PROP	Response OSED ACCEPT.	Response Status W			read "F figure r	igures should be	/myproject/Public/mytools/dra e organized to fit on a single p by an em dash and the figure " "	age with the term	, "Figure" and the
C/ 166	SC 166.3.4.5	P 101	L 3	# 35			template automatically arrang	es the figures in t	he document layout.
Hayashi, T	akehiro	HAT Lab.			C/ 166	SC 166.3.5.1	P100	L 52	# 146
Comment		Comment Status X		Document layout	Pérez - Ara	anda. Rubén	KDPOF		
The loc	cation of Figure 1	66-25 is in clause 166.3.5.1,	and it is confus	ling	Comment	,	Comment Status D		RFER
Suggested	Remedy) is less than 5×10^-10		
Move t	he figure 166-25	in clause 166.3.4.5			Suggested		,		
Proposed I	Response	Response Status W			00		.5×10^-10. Rubén Pérez-Aran	da will do a contr	ibution with maths
		This draft follows				the calculation.			
read "F figure r follows	Figures should be number, followed :: "Figure 1—Title		e title, centered	rm, "Figure" and the below the figure, as		OSED ACCEPT	Response Status W IN PRINCIPLE. Presentation 220111_RFER.pdf" has been	received for discu	ussion.
The Fr	ameMaker V5.0	template automatically arrang	ges the figures i	n the document layout.	C/ 166	SC 166.3.5.2	P 101	L 43	# 147
C/ 166	SC 166.3.4.5	P 102	L 3	# 36	Pérez - Ara	anda, Rubén	KDPOF		
Hayashi, T	akehiro	HAT Lab.			Comment	Туре Т	Comment Status D		Text improvement
Comment T	Туре Е	Comment Status X		Document layout	log2(E	[nd^2]) < T_LM. (Comparison is not consistent	with 166.3.5.4.	
Johnment	cation of Figure 1	66-26 is in clause 166.3.5.2,	and it is confus	ling	Suggested	Remedy			
	Romody				••	e to: log2(E[nd^2]) <= T_LM		
	Remeuy	in clause 166.3.4.5			Proposed I	Response	Response Status W		
The loc Suggested	-				•	•	•		
The loc <i>uggested</i> Move t	-	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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

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D 1.2 Comment Report

C/ 166	SC 166.3.	5.2 P101	L 43	# 140
Pérez - Ara	anda, Rubén	KDPOF		
Comment	Туре Т	Comment Status D		LPI

No information is provided about PHY quality assessment in LPI operation.

SuggestedRemedy

Change: "The noise variance at the symbol detector can be estimated either by measuring the Modulation Error Ratio (MER) at the decision points or measuring the ratio of symbols corrected by the RS-FEC decoder per CW." to be: "In normal operation mode, the noise variance at the symbol detector can be estimated either by measuring the Modulation Error Ratio (MER) at the decision points or measuring the ratio of symbols corrected by the RS-FEC decoder per CW. In LPI mode, it can be estimated by measuring the MER or the corrected bits in the reception of the 12-time repeated 20-bit encoded PHD sub-block belonging to each LPI refresh codewords (see 166.4)."

Proposed Response	Response Status	w	

PROPOSED ACCEPT.

C/ 166	SC 166.3.5.4	P104 L3	# 38
Hayashi, T	akehiro	HAT Lab.	
Comment	Туре Е	Comment Status X	Document layout
The le		100.00 is in clause 400.4.4 and it is confusion	

The location of Figure 166-28 is in clause 166.4.1, and it is confusing

SuggestedRemedy

Move the figure 166-28 in clause 166.3.5.4

Proposed Response Response Status W

PROPOSED REJECT. This draft follows

"https://mentor.ieee.org/myproject/Public/mytools/draft/styleman.pdf". In page 33 can be read "Figures should be organized to fit on a single page with the term, "Figure" and the figure number, followed by an em dash and the figure title, centered below the figure, as follows: "Figure 1—Title"."

The FrameMaker V5.0 template automatically arranges the figures in the document layout.

C/ 166	SC 166.4.1	P 103	L 48	# 148
Pérez - A	randa, Rubén	KDPOF		
Comment	Type T	Comment Status D		LPI

Shall statement is not correct. According to 78.1.3.3.1, Fast wake refers to the mode for which the transmitter continues to transmit signals during Low Power Idle so that the receiver can resume operation with a shorter wake time (as shown in Figure 78–4). For transmit, other than the PCS encoding LPI, there is no difference between fast wake and normal operation. This s partially true for the LPI operation defined for BASE-AU PHYs. It is true that transmitter continues to transmit signals during Low Power Idle. However, it is not true that for transmit, other than the PCS encoding LPI, there is no difference between fast wake and normal operation.

SuggestedRemedy

Replace paragraph as (introductory w/o shall statements): A BASE-AU PHY that implements the optional EEE capability follows fast wake mode of LPI operation as specified in 78.1.3.3.1 in the sense the PHY transmitter remains transmitting signals during LPI (same symbol rate and modulation of normal mode). However, the data generated by the PCS sublayer is modified with respect to transparent LPI encoding of normal operation in order to allow power saving, robust OAM side communication channel and robust wake signal detection in the receiver.

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 166	166 SC 166.4.2		P 104			L 52	# 149
Pérez - Aranda, Rubén		èn	KDPOF				
Comment Type E LPI operation mode as s			<i>mment Status</i> fied in 166.5.	D			Text improvement
Suggestedl should	-	eration mod	le as specified	in 10	66.4.2.3.		
Proposed F PROPC	Response DSED ACC		sponse Status	w			
C/ 166	SC 166	.4.2	P 1	04		L 52	# 150
Pérez - Ara	nda, Rubé	èn	KDP	ЭF			
Comment 7 codified	<i>ype</i> E 65-bit blo		omment Status	D			Text improvement
Suggestedl change 166.2.6	to: 65-bit	blocks gen	erated by the F	PCS	64B/65B	transm	it state diagram (see

Proposed Response Response Status W

PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 166	Page 26 of 31
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC 166.4.2	03/01/2022 13:43:10

SORT ORDER: Clause, Subclause, page, line

IEEE 802.cz Multi-Gig Aut	IEEE P802.3cz D1.2 Multi-Gig Automotive Optical Ethernet PHY 2nd Task Force review comments

CI 166 SC 166	4.2 P 105	L 1	# 151	C/ 166	SC 166.4.2.2	P 105	L 25	# 155
Pérez - Aranda, Rubé	n KDPOF			Pérez - Ara	nda, Rubén	KDPOF		
Comment Type E codified 65-bit blo	Comment Status D		Text improvement	Comment T This sha		Comment Status D redundant with the first one	of 166.4.2.4.	Redundant shall statement
SuggestedRemedy change to: 65-bit 166.2.6.2).	blocks generated by the PCS 64	IB/65B transmit s	tate diagram (see		e full sentence.			
Proposed Response PROPOSED ACC	Response Status W			Proposed R PROPC	OSED ACCEPT.	Response Status W		
 C/ 166 SC 166.	4.2 P105	L 7	# 39	C/ 166	SC 166.4.2.3	P 106	L 25	# 153
		L /	# 39	Pérez - Ara	nda, Rubén	KDPOF		
Hayashi, Takehiro	HAT Lab.		-	Comment T	ype E	Comment Status D		Document layout
Comment Type E not "Figure"	Comment Status D		Text improvement	Text "1, 166-31.	0x1E,Cn=0x06"	in dashed box is not clearly	distinguished	.Same problem in figure
SuggestedRemedy				SuggestedF	Remedy			
delete "Figure"						ttern or color. Nice to have:		
Proposed Response	Response Status W					166-31 to identify very clea on in each type of transmitte		mation is generated by
PROPOSED ACC	CEPT.			Proposed R	esponse	Response Status W		
C/ 166 SC 166.	4.2.1 P105	L 13	# 152	PROPC	SED ACCEPT.			
Pérez - Aranda, Rubé	n KDPOF			C/ 166	SC 166.4.2.3	P106	L 34	# 154
Comment Type T	Comment Status D		LPI	Pérez - Ara		KDPOF	204	π 104
We shouldn't hav	e shall statements doing referend	ce to 78-4, which	is not accurate					-
	operation of BASE-AU PHYs. C			Comment T		Comment Status D		Text improvement
shall statement to	166.4.2.3, leaving 166.4.2.1 just	t for LPI refresh d	efinition.			ng state)" is confuse. This s sary for accurate specificati		ned as part of any state
SuggestedRemedy				U			U 11.	
	14 of page 105. In page 106, ad			SuggestedF	e parenthetical to	ext from figure		
	Inction in LPI operation mode sh	ali transmit lPI re	eiresn codewords."		•	Ũ		
Proposed Response	Response Status W			Proposed R	•	Response Status W		
PROPOSED ACC	EPT.			PROPC	SED ACCEPT.			

C/ 166 SC 166.4.2.3

D 1.2 Comment Report

C/ 166 SC 166.4.3	P 107	L 52	# 156	C/ 166	SC 166.4.3	P 108	L 25	# 158
Pérez - Aranda, Rubén	KDPOF			Pérez - Aran	da, Rubén	KDPOF		
Comment Type T The PHY receive funct	Comment Status D		Text improvement		int shall statem	Comment Status D ent with previous one: "The	PHY receive fun	
SuggestedRemedy should be: The PCS re	eceive function. Same for pag	ge 108, lines 21,	25, 28	mode sn SuggestedRe Remove	emedy	her the received LPI codewo	ord is an LP1 wak	e codewora."
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed Re		Response Status W		
C/ 166 SC 166.4.3	P 108	L 19	# 157	C/ 166	SC 166.4.3	P 108	L 29	# 160
Pérez - Aranda, Rubén	KDPOF						L 29	# 100
Comment Type E (see Figure 166.2.7)	Comment Status D		Text improvement	Pérez - Aran Comment Ty	pe E	KDPOF Comment Status D		Text improvemen
SuggestedRemedy should be: (see 166.2.	7.4)			see 166) (see 166) (suggestedRe	emedy			
Proposed Response	Response Status W			U U	o: (see 166.4.2	2.2).		
PROPOSED ACCEPT	·			Proposed Re PROPOS	sponse SED ACCEPT.	Response Status W		
C/ 166 SC 166.4.3	P 108	L 22	# 159	C/ 166	SC 166.4.3	P 108	L 31	# 161
Pérez - Aranda, Rubén	KDPOF		T	Pérez - Aran	da, Rubén	KDPOF		
Comment Type T	Comment Status D ransmission of an LPI wake	codoword as sho	Text improvement	Comment Ty	pe T	Comment Status D		LP
		codeword as spe	cilled ill 100.4.2.	"From ea	ich LPI codewo	ord received, 12 repetitions of	of a 20-bit encod	ed PHD sub-block shall
SuggestedRemedy should be: which is to detect the reception of an LPI wake codeword as specified in 166.4.2.2.		d as specified in	be collected"This shall statement imposes the use of the 12 repetitions to decode the 20 PHD sub-blocks, which is not consistent with adopted baseline.Number of repetitions to used are implementation dependent.					
Proposed Response	Response Status W			SuggestedRe	emedy			
PROPOSED ACCEPT	•			Replace be decoc of repetit LPI wake	with: "From ea led by majority ions to be used codeword and	ch LPI codeword received, t voting using a number of re d is implementation depende d strip 12 repetitions of 20-bi d decode 20-bit encoded PF	petitions equal o ent." In Figure 16 t encoded PHD s	r less than 11. Numbei 66-32, replace "Detect
				Proposed Re PROPOS	sponse SED ACCEPT.	Response Status W		

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 SC
 166.4.3
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C/ 166 SC 166.4.3	P 108	L 33	# 162	CI 166	SC 166.5.1	P 109		# 82		
Pérez - Aranda, Rubén	KDPOF				anda, Rubén	KDPOF				
<i>Comment Type</i> T Redundant shall statem	Comment Status D nent with the one of line 18.		Redundant shall statement	<i>Comment</i> To be		Comment Status D st mode is unidirection		Unidirectional BER test mode		
uggestedRemedy Remove full sentence.				Suggested Chang		the link partner receiv	er"			
roposed Response PROPOSED ACCEPT.	Response Status W			Proposed PROP	Response OSED ACCEPT.	Response Status V	V			
/ 166 SC 166.5.1	P 108	L 51	# 79	C/ 166	SC 166.5.1	P 109	L 14	# 83		
érez - Aranda, Rubén	KDPOF			Pérez - Ar	anda, Rubén	KDPOF	:			
omment Type T Transmitter is not a PH	Comment Status D IY. A PHY also includes a rec		Inidirectional BER test mode	<i>Comment</i> To be	51	Comment Status D st mode is unidirection		Unidirectional BER test mode		
uggestedRemedy				Suggested						
	ead: "BER test mode is for me PCS, PMA, and PMD sublay			-		ansmitter shall annour	nce to the link par	tner receiver"		
optic cable connected t receiver of its link partn	to them. BER test is run betw her. BER test mode can be co	een the tran	smitter of a PHY and the	Proposed PROP	Response OSED ACCEPT.	Response Status V	v			
unidirectional transmiss oposed Response				C/ 166	SC 166.5.1	P 109	L 16	# 80		
PROPOSED ACCEPT.	Response Status W			Pérez - Ar	anda, Rubén	KDPOF	:			
				Comment	Type E	Comment Status)	Text improvement		
/ 166 SC 166.5.1 érez - Aranda, Rubén	<i>Р</i> 109 КDPOF	L 3	# 81		"and does not change value unless a PMA reset change unless PMA reset, and value of PHD.TX					
<i>comment Type</i> T To be clear the BER te	<i>Comment Status</i> D st mode is unidirectional.	L	Inidirectional BER test mode	Suggested Remo	<i>IRemedy</i> ve word "value".					
uggestedRemedy Change to read "link pa	artner receiver".			Proposed PROP	Response OSED ACCEPT.	Response Status V	v			
roposed Response	Response Status W			C/ 166	SC 166.5.1	P 109	L17	# 84		
PROPOSED ACCEPT.				Pérez - Ar	anda, Rubén	KDPOF	:			
				<i>Comment</i> To be	51	Comment Status D st mode is unidirection		Unidirectional BER test mode		
				Suggested Chang		partner receiver shall	reconfigure its cir	rcuitry"		
				Proposed		Response Status V	0	-		
	spatched A/accepted R/reject		ired T/technical E/editorial G PONSE STATUS: O/open W/v		Z/withdrawn		C/ 166 SC 166.5.1	Page 29 of 31 03/01/2022 13:4		

C/ 166	SC 166.6	P 109	L 24	# 173	C/ 166,1 SC 166,1	P 62	L 41	# 51
Grow, Rob	pert	RMG Consult	ing / KDPOF		Pérez - Aranda, Rubén	KDPOF		
propos	ve only had one Pl al is the most com r CSD responses.	Comment Status D MD proposal that addresse plete proposal, it is consist It also is supported with te	ent with our PAF	project scope and	Comment Type E may use the BASE SuggestedRemedy Should be: may us	Comment Status D E-U operations, se the optional BASE-U PCS-I	based operations	Text improvement
Suggested	Remedy				Proposed Response	Response Status W		
Merge	swanson_3cz_02	c_030821_AUTO_MDI_Bas	eline.pdf into the	e draft.	PROPOSED ACCEP	Т.		
Proposed PROP	Response OSED ACCEPT.	Response Status W			C/ 166,2 SC 166,2	P87	L 28	# 67
C/ 166	SC 166.6.1.2.3	P110	L 28	# 133	Pérez - Aranda, Rubén <i>Comment Type</i> E	KDPOF Comment Status D		Document layout
	anda, Rubén	KDPOF	L 20	# 133	••	bre Figure 166-17 in the text.		Document layout
Comment	-	Comment Status D		Text improvement	SuggestedRemedy			
referer S <i>uggested</i>	nced. Remedy	ng more general wording. S t of this primitive the PMA p			bit block to the 50GM Proposed Response PROPOSED ACCEP	Response Status W		
166.3.	2)."				Cl 166,9 SC 166,9	P 112	L 11	# 135
Proposed	•	Response Status W			Pérez - Aranda, Rubén	KDPOF		
PROP	OSED ACCEPT.				Comment Type E	Comment Status D		Text improvement
C/ 166	SC 166.6.1.3.3	P 111	L 4	# 134	BASE_U			
Pérez - Ar	anda, Rubén	KDPOF			SuggestedRemedy			
Comment	Туре Т	Comment Status D		Text improvement	should be: BASE-U			
up / sl of opti	eep functionality. F cal power over a th	s, PMD signal detect functi or example, in ECUs integr reshold is used to wake up icro-amperes are consume	ating 1000BASE a full ECU from	-RHC ports, reception deep-sleep state	Proposed Response PROPOSED ACCEP	Response Status W T.		
	-			-				
Suggested	-	DND BYDETECT indicatio	on(OK) may be u	sed to wake up from				
Add at deep s "PMD_		nat includes a BASE-AU PH ation(FAIL) may be used to	HY." Add at the	end of line 7:				
deep s "PMD_	leep in a system th RXDETECT.indica AU PHY into deep	nat includes a BASE-AU PH ation(FAIL) may be used to	HY." Add at the	end of line 7:				

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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

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-					
C/ 166A	SC 166	A	P 119	L 54	# 175
Torres, Lui	isma		KDPOF		
Comment BASE-			nment Status D ed for up to 25GBA	ASE-U and for 50G	<i>LFSR</i> BASE-U
and pro https://	ASE-U LFS esentation /www.ieee8	302.org/3/cz/p			comment resolution _0521_lfsr.pdf. Ask for
	OSED AC aranda_3c	CEPT IN PRIN z_02_220111		ation including 50G received for discuss	
Pérez - Ara	-		KDPOF	LU	# 40
Comment	Туре Е	Com	ament Status D ent, for consistency	y	Text improvement
Suggested Per co	<i>Remedy</i> mment				
Proposed I PROP	Response OSED AC	1-	onse Status W		