	C FM	P1	L 9	# 11	C/ FM	SC	FM		<i>P</i> 1	L 26	# 43	
Hajduczenia, Ma	arek	Charter Comr	nunications		Grow,Rob	pert			RMG Consu	lting		
Comment Type	Е	Comment Status R		P802.3/D3.2 alignement	Comment	Туре	Е	Commen	t Status A		P802.3/D3.2 aligne	emen
Missing ame	endment nu	mber									l, cs, db, ck, cx, de).	
SuggestedReme	edy						,	o be assigned	a lower amend	lment number th	nan P802.3cz.	
It looks like	you will be A	Amendment 9 to 802.3-2022	when publishe	ed	Suggestee		-					
Response		Response Status C									ot in May, it is probabl . Law provides a differ	
REJECT.								follow that.	amendment 0.			TOTIC
		ve are the most likely to be A			Response	•		Response	Status C			
		sed until assigned by Mr. Lav ned to precede this one.	W. Editorial no	otes indicate which			PRINCIPI					
		•	/ 07	# 10						Chair, with cove	r page and FM 02.3cz (currently dd, ca	
	C FM	P1	L 25	# 12		t, cx, de		ing amendme	ints identified as	s preceding Pou		<i>:</i> S,
Hajduczenia, Ma		Charter Comr	nunications				, 					
Comment Type		Comment Status A		P802.3/D3.2 alignement	Updat	e with t	ne most (current amen	ament order pro	ovided by Mr. La	IW.	
		mplete and in wrong order			C/ FM	SC	FM		P1	L 28	# 13	
SuggestedReme	•				Hajduczei	nia, Mai	ek		Charter Con	nmunications		
		3dd-20XX, IEEE Std 802.3de E Std 802.3ck-20XX, IEEE S			Comment	Туре	Е	Commen	t Status A			Ež
							and the state of t			"• - • · · - •		
				X, IEEE Std 802.3db-			ing betwe	een numeric v	alue and units i	n "2.5 Gb/s, 5G	b/s, 10Gb/s, 25 Gb/s	and
20XX, IEEE	5 Std 802.3d	b-20XX, IEEE Std 802.3ck-2	0XX, IEEE Ste	d 802.3cx-20XX, and	50 Gb	o/s"	0	een numeric v	alue and units i	n "2.5 Gb/s, 5G	ib/s, 10Gb/s, 25 Gb/s	and
20XX, IEEE	E Std 802.3d 02.3de-20XX		0XX, IEEE Ste	d 802.3cx-20XX, and	50 Gb Suggested	o/s" dRemed	ly	een numeric v	aiue and units i	n "2.5 Gb/s, 5G	b/s, 10Gb/s, 25 Gb/s	and
20XX, IEEE IEEE Std 80	E Std 802.3d 02.3de-20XX	b-20XX, IEEE Std 802.3ck-2	0XX, IEEE Ste	d 802.3cx-20XX, and	50 Gb <i>Suggested</i> Add n	o/s" d <i>Remec</i> nissing s	ly			n "2.5 Gb/s, 5G	b/s, 10Gb/s, 25 Gb/s	and
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TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ FM SC FM Page 1 of 54 10/06/2022 18:47:03

C/FM SC FM	P1	L 43	# 44		C/FM S	SC FM		P 10	L 44	# 48
Grow,Robert	RMG Consulti	ing			Grow,Robert			RMG Consul	ting	
Comment Type ER	Comment Status A		P802.3/D3.2 aligner	nent	Comment Typ	e E	Comment S	Status A		P802.3/D3.2 alignement
This is not the currer	nt copyright statement.						, P802.3de was d to be assigned a	•	· ·	d, cs, db, ck, cx, de).
SuggestedRemedy							to be assigned a			Hall F002.302.
Update to latest IEE	E SA editorial templates.				SuggestedRer Consider	-	ammendment list	order If no c	other amendm	ents enter WG ballot in
Response ACCEPT.	Response Status C				May, it is p	probably sa		3cz as followir		t 6 unless Mr. Law
C/FM SC FM	P7	L15	# 45		Response		Response S	tatus C		
Grow.Robert	RMG Consulti				ACCEPT See #43.	N PRINCI	PLE.			
Comment Type E	Comment Status A			EZ		th the mos	t current amendm	ent order prov	vided by Mr. L	aw.
WG ballot group is n	ow known.				C/ FM S	SC FM		P11	L 8	# 236
SuggestedRemedy					Marris, Arthur			Cadence Des	sign Systems	
Remove Editor's Not	te and include WG ballot list.				Comment Typ	e E	Comment S	Status A		P802.3/D3.2 alignemen
Response	Response Status C				802.3de is	expected	to be Amendmen	t 6		
ACCEPT.					SuggestedRer	nedy				
C/FM SC FM	P 9	L 19	# 46		Renumber	802.3de t	o Amendment 6 a	ind renumber	cs, db, ck and	cx appropriately
	Р 9 RMG Consulti		# 46		Response		Response S		cs, db, ck and	cx appropriately
Grow,Robert			# 46	EZ	Response ACCEPT	802.3de te	Response S		cs, db, ck and	cx appropriately
Grow,Robert Comment Type E	RMG Consult	ing		EZ	Response ACCEPT #See 43.	N PRINCII	Response S	tatus C		
Grow,Robert Comment Type E P802.3 has changed SuggestedRemedy	RMG Consulti Comment Status A	ing		EZ e.	Response ACCEPT #See 43. Update wi	N PRINCII	Response S PLE.	tatus C		
Grow,Robert Comment Type E P802.3 has changed SuggestedRemedy "EtherType"	RMG Consulti Comment Status A I capitalization of Ethertype to Et	ing		EZ e.	Response ACCEPT #See 43. Update wi	N PRINCI	Response S PLE.	tatus C ent order prov	vided by Mr. L <i>L</i> 51	aw.
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Grow,Robert Comment Type E P802.3 has changed SuggestedRemedy "EtherType" Response ACCEPT.	RMG Consulti Comment Status A I capitalization of Ethertype to Et	ing		EZ	Response ACCEPT #See 43. Update wi C/ FM S Grow,Robert Comment Typ	N PRINCI th the most SC FM e E now appea	Response S PLE. t current amendm <i>Comment</i> S	tatus C ent order prov P19 RMG Consul Status A	vided by Mr. L <i>L</i> 51 ting	aw. # <u>49</u> P802.3/D3.2 alignement
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Grow,Robert Comment Type E P802.3 has changed SuggestedRemedy "EtherType" Response ACCEPT. C/ FM SC FM Grow,Robert Comment Type E The Section Nine de SuggestedRemedy	RMG Consulti Comment Status A I capitalization of Ethertype to Et Response Status C P10 RMG Consulti Comment Status A	ing therType per o <i>L</i> 39 ing	current RAC preference	EZ 2.	Response ACCEPT #See 43. Update wi C/ FM S Grow,Robert Comment Typ P802.3cw SuggestedRer Evaluate i Response ACCEPT See #43.	N PRINCI th the mos SC FM e E now appea nedy n May if the N PRINCI	Response S PLE. t current amendm <i>Comment S</i> ars to be later that e note should be t <i>Response S</i>	tatus C ent order prov P19 RMG Consul Status A n P802.3cz in updated to rer tatus C	vided by Mr. L <i>L</i> 51 ting reaching Rev move referenc	aw. # <u>49</u> <i>P802.3/D3.2 alignemen</i> Com. e to cw.
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TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ FM SC FM Page 2 of 54 10/06/2022 18:47:03

C/ 00	SC 0	Р		# 237	C/ 00	SC 0	PO	L 0	# 7
Murty, Ra		, Broadcom	L	π 237	Brown, M		, v Huawei	20	π
Comment		Comment Status R		General	Comment		Comment Status A		P802.3/D3.2 alignemen
The c recen	draft describes nt optical link de	FEC and optical link characteriz finitions in IEEE 802.3. I need n is of this proposal.		that are at odds with all	Throu incon	ughout the draf	ft when listing an IEEE standard aft template uses 202x whereas		napproved standards is
Suggeste	dRemedy				Repla	ace "20XX" witl	h "202x" throughout this draft. Fo 802.3dd-202x".	or example, ch	nange "IEEE Std 802.3dd-
Response	9	Response Status C			Response	е	Response Status C		
REJE The c See #	commenter did	not recommend a change to the	e draft.	# 1	Chan excer mem	ptions include I ber list, and pa	IPLE. 202x" where appropriate (editori IEEE SA provided template text ige header and other places whe with "IEEE Std 802.3-2022"	(page 2 public	ation date, page 8 SASB
Brown, M		Huawei			C/ 00	SC 0	P106	1	# 21
Comment	t Type E	Comment Status A		Text improvement	Hayashi,		HAT Labs	L	# 21
refer amen	to the "base sta	erted in each clause refers to "b andard" which includes the most ling 802.3cz. The term "baseline amendment.	t recent 802.3 r	evision and any	Comment The c	t Туре Е	Comment Status A 166-31, 32 is incorrect.		IEEE-SA Style
Suggeste	dRemedy					ect the position	of figures		
		annex, in the editor's note startir "baseline text" to "base standar		seline text used to	Response	e	Response Status C		
Response	e EPT IN PRINCI	Response Status C				EPT IN PRINC	IPLE. eir best to change the order of th	he Figures.	
ACCI		PLE.			C/ 1	SC 1.3	P 20	L 4	# 15
Subs	titute "baseline	text" with "base text".			Hajducze	enia, Marek	Charter Com	munications	
	eline text" may nding a publishe	be misleading, but the use of "b ed standard.	ase standard" i	mplies that we are	Comment No ne	<i>t Type</i> E ew normative r	Comment Status A eferences		EZ
	probably, we w EE Std 802.3/D	ill be amending an approved dra 03.2.	aft revision of II	EEE Std 802.3 referred to		edRemedy ove subclause	1.3		
as IE									

C/ 1 SC 1.3

C/ 1 3	SC 1.4	P 20 L	20	# 50		C/ 1 SC	C 1.4.62a	F
Grow,Robert		RMG Consulting			•	Dawe, Piers		Nv
Comment Typ	e E	Comment Status A		P802.3/D3.2 alignement		Comment Type	Е	Comment Stat

Consider update to Note and check base text in preceding amendments. Other comments will point out any base text changes required by the current six numbered amendment drafts and P802.3/D3.2. If accepted, the note repeated on other clauses will also need to be similarly updated.

SuggestedRemedy

The baseline text used to generate the editing instructions is IEEE 802.3 Draft 3.2 (March 2022) as amended by IEEE 802.3dd Draft 3.1 (March 2022), IEEE 802.3cs Draft 3.2 (March 2022), IEEE 802.3db Draft 3.0 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3cx Draft 3.2 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3cx Draft 3.2 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3ck Draft 3.2 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3ck Draft 3.2 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3ck Draft 3.2 (March 2022), IEEE 802.3ck Draft 3.2 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3ck Draft 3.2 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3ck Draft 3.2 (March 2022), IEEE 802.3c

Subclause, Table and Figure numbers (possibly baseline text) may change in response to assigned amendment order.

Response Response Status C

ACCEPT IN PRINCIPLE.

Replace "baseline text" with "base text" and add the suggested list of base text:

"IEEE 802.3 Draft 3.2 (March 2022) as amended by IEEE 802.3dd Draft 3.1 (March 2022), IEEE 802.3cs Draft 3.2 (March 2022), IEEE 802.3db Draft 3.0 (March 2022), IEEE 802.3ck Draft 3.1 (March 2022), IEEE 802.3cx Draft 3.2 (March 2022), and IEEE 802.3de Draft 3.0 (March 2022).

Subclause, Table and Figure numbers (possibly base text) may change in response to assigned amendment order."

Update similar notes repeated on other clauses of the draft.

Update with the most current amendment order provided by Mr. Law.

C/ 1 SC	C 1.4.62a	P 20	L 30	# 247
Dawe, Piers		Nvidia		
Comment Type	Е	Comment Status A		Definitions

This says "a 10 Gb/s Ethernet full duplex local area network" but doesn't it make point-topoint link(s), unlike a CSMA/CD or PON Physical Layer? "Network" is misleading. "Ethernet" seems to be redundant (compare other definitions). Wordsmithing, adding "multimode" to give the reader a bit more idea what this thing is like.

SuggestedRemedy

Change "for a 2.5 Gb/s Ethernet full duplex local area network over optical fiber for use in automotive applications." to "for 2.5 Gb/s over multimode optical fiber for automotive use." Similarly for the other rates.

Response Response Status C

ACCEPT IN PRINCIPLE.

"for 2.5 Gb/s full duplex over multimode optical fiber for use in automotive applications." Change accordingly in the definition for other rates.

C/ 1	SC	1.4.204a	P 21	L 5	#	51
Grow,Ro	bert		RMG Consulting	g		
Commen	t Type	т	Comment Status A			Definitions

Use of the term being defined within the definition is circular and should be avoided.

SuggestedRemedy

BASE-AU: The set of PHYs that use a BASE-U Physical Coding Sublayer with PMA/PMD specifications for operation over optical fiber in the automotive environment, including 2.5GBASE-AU, 5GBASE-AU, 10GBASE-AU, 25GBASE-AU, and 50GBASE-AU. (See IEEE Std 802.3, Clause 166.)

Response Response Status C

ACCEPT IN PRINCIPLE

Change definition to read as:

"BASE-AU: The set of PHYs that use a BASE-U PCS and PMA with PMD specifications for operation over optical fiber in the automotive environment, including 2.5GBASE-AU, 5GBASE-AU, 10GBASE-AU, 25GBASE-AU, and 50GBASE-AU. (See IEEE Std 802.3, Clause 166.)"

C/ 1	SC 1.4.206a	P 21	L11	# 52
Grow,Ro	obert	RMG Consult	ing	
Commer Thou	51	Comment Status A ne BASE-AU definition, this c	one also is a bit o	<i>Definitions</i> circular as written.
BAS		CS and PMA sublayer specif EE Std 802.3, Clause 166.)	ications used by	a family of Physical
Respons ACC	se CEPT.	Response Status C		
C/ 1	SC 1.4.464	P 21	L16	# 53
Grow,Ro	obert	RMG Consult	ing	
Commer Thou	51	Comment Status A ide information block" is a bi	t difficult to unde	Definitions rstand.
	<i>edRemedy</i> lace with "An inform	ation block".		
Respons ACC	se CEPT.	Response Status C		
C/ 1	SC 1.5	P21	L 24	# 260
Ran, Ad	ee	Cisco		
Commer	nt Type E	Comment Status A		LFSR
acro		nas numerous specifications is preferable to avoid adding		
		erm LFSR in the text is not ex nded at least in the first occu		

SuggestedRemedy

Delete the acronym, and use the term "linear feedback shift register" in the few cases where it is required (some existing places should be changed to "polynomial", "scrambler" or "descrambler", subject of other comments).

Response	Response Status	С	
ACCEPT.			

SC 30.3.2.1.2 P 22 L21 # 54 Robert **RMG** Consulting Comment Status A P802.3/D3.2 alignement ent Type Е er P802.3/D3.2. the end of the 1000BASE items is 1000BASE-X. stedRemedy after the entry for "1000BASE-X" ... Response Status C nse CEPT. SC 30.3.2.1.2 P 22 L 31 # 55 **RMG** Consulting Robert ent Type Е Comment Status A P802.3/D3.2 alignement er P802.3/D3.2. the start of 10GBASE list is after "10/1GBASE-PRX". P802.3cs is serting 10/2.5GBASE-SP (though P802.3cs/D3.2 specifies the wrong insert point, a mment has been submitted to fix this). stedRemedv after the entry for "10/2.5GBASE-SP" (inserted by IEEE Std 802.3cs-202x) as follows: nse Response Status C CEPT. P 22 SC 30.3.2.1.2 L 36 # 56 **RMG** Consulting Robert Е Comment Status A ent Type P802.3/D3.2 alignement er P802.3/D3.2, the start of 25GBASE list is after "25/10GBASE-PQ". stedRemedy after the entry for "25/10GBASE-SP" ... Response Response Status C

ACCEPT.

IEEE P802.3cz D2.0 Multi-Gigabit Optical Automotive Ethernet Initial Working Group ballot comments

C/ 30 SC 30.3.2.1.2 Page 5 of 54 10/06/2022 18:47:03

C/ 30	SC 30.3.2.1.2	P 22	L 41	# 57	C/ 30	SC 30.3.2.1.3	P23	L 12	# 60
Grow,Rol	pert	RMG Consult	ting		Grow,Rober	t	RMG Consul	ting	
Comment	Туре Е	Comment Status A		P802.3/D3.2 alignement	Comment T	vpe E	Comment Status A		P802.3/D3.2 alignement
Per P	802.3/D3.2, the sta	art of the 50GBASE list is af	ter "50/25GB	ASE-PQ"	Per P80	2.3/D3.2, the st	art of 25GBASE list is after "	'25/10GBASE	E-PQ".
Suggeste	dRemedy				SuggestedF	Remedy			
afte	er the entry for "50/2	25GBASE-PQ"			after t	he entry for "25	(10GBASE-SP"		
Response	e	Response Status C			Response		Response Status C		
ACCE	EPT.				ACCEP	Т.			
CI 30	SC 30.3.2.1.3	P 22	L 48	# 58	C/ 30	SC 30.3.2.1.3	P 23	L 17	# 61
Grow,Rol	pert	RMG Consult	ting		Grow,Rober	t	RMG Consul	ting	
Comment Per P	51	Comment Status A d of the 1000BASE items is	1000BASE-2	P802.3/D3.2 alignement K.	Comment T Per P80		<i>Comment Status</i> A art of the 50GBASE list is af	ter "50/25GB	P802.3/D3.2 alignement ASE-PQ"
Suggeste afte	<i>dRemedy</i> er the entry for "100	00BASE-X"			SuggestedR after t	•	25GBASE-PQ"		
Response ACCE		Response Status C			Response ACCEP	Т.	Response Status C		
C/ 30	SC 30.3.2.1.3	P23	L7	# 59	C/ 30	SC 30.5.1.1.2	P 23	L 39	# 62
Grow,Rol	bert	RMG Consult	ting		Grow,Rober	rt	RMG Consul	ting	
Comment	туре Е	Comment Status A		P802.3/D3.2 alignement	Comment T	vpe E	Comment Status A		P802.3/D3.2 alignement
		art of 10GBASE list is after "			Per P80	2.3/D3.2, the er	nd of the 1000BASE items is	1000BASE->	XHD.
	ing 10/2.5GBASE- nent has been subr	SP (though P802.3cs/D3.2 s	specifies the	wrong insert point, a	SuggestedR	Remedy			
Suggeste					after t	he entry for "10	00BASE-XHD"		
00	,	2.5GBASE-SP" (inserted by	IFFF Std 80	2 3cs-202x) as follows:	Response		Response Status C		
_				2.000 202X/ 03 10110W3.	ACCEP	т.			
Response ACCE		Response Status C							
AUU	_F I.								

C/ 30 SC 30.5.1.1.2

	00 00 - 4 4 0	200	1 40	# [00]	<u></u>			205	1.40	# 000
CI 30	SC 30.5.1.1.2		L 48	# 63	C/ 44		44.1.1	P 25	L 19	# 223
Grow,Rober	rt	RMG Consulti	ng		Lewis, Jo	n		Dell Technolog	lies	
Comment Ty	ype E	Comment Status A		P802.3/D3.2 alignement	Comment	Туре	Е	Comment Status A		P802.3/D3.2 aligneme
inserting	g 10/2.5GBASE-	art of 10GBASE list is after " SP1-Dx and 10/2.5GBASE-S	SP1-Uxy (tho	ugh P802.3cs/D3.2				was changed from "Physical L hysical Layer entities"	ayer entitie:	s" to "Physical Layers". I
	-	rt point, a comment will be s		x this).	Suggeste	dReme	dy			
SuggestedR	•				Chan	ge end	of first ser	ntence to "… one of a number of	of 10 Gb/s F	hysical Layer entities."
after t follows:		2.5GBASE-SP1-Uxy" (insert	ed by IEEE S	Std 802.3cs-202x) as	Response ACCE			Response Status C		
Response		Response Status C			ACCE	PT.				
ACCEP	Т.				C/ 44	SC	44.1.1	P 25	L 19	# 66
C/ 30	SC 30.5.1.1.2	P 24	L2	# 64	Grow,Rot	pert		RMG Consultir	ng	
Grow,Rober	rt	RMG Consulti	na		Comment	Туре	Е	Comment Status A		P802.3/D3.2 aligneme
Comment Ty Per P80		Comment Status A art of 25GBASE list is after "2	25/10GBASE	P802.3/D3.2 alignement -PQX-U3".	edits	also are		hanged the base text ("entities' t (the XGMII is part of the Phys hrough.		
SuggestedR after t	-	10GBASE-PQX-U3"			Suggeste 10 Gi			es the IEEE 802.3 MAC sublay	er, connect	ed through a 10 Gigabit
Response ACCEP		Response Status C			under SR, 1	score'> 0GBAS	10 Gb/s P SE-LX4, 10	erface (XGMII) to <start unders<br="">hysical Layer devices (PHYs) <)GBASE-CX4, 10GBASE-LRM ASE-LW, 10GBASE-EW, 10GB</start>	<start striket<br="">, 10GBASE</start>	hrogh> such as 10GBASE ·LR, 10GBASE-ER,
C/ 30	SC 30.5.1.1.2	P 24	L 6	# 65		through				
Grow,Rober	rt	RMG Consulti	ng		Response	;		Response Status C		
Comment Ty Per P80		Comment Status A art of the 50GBASE list is aft	er "50/25GB/	P802.3/D3.2 alignement ASE-PQX-U3"	ACCE	EPT.				
SuggestedR after t	•	25GBASE-PQX-U3"								
Response ACCEP	т.	Response Status C								

C/ 44 SC 44.1.1

C/ 44	SC 44.1.1	P 25	L 19	# 261
Ran, Adee		Cisco		
Comment Ty	vpe E	Comment Status A		Definitions

The change in this subclause removes a list of PHYs which has become lengthy. That is arguable - indeed maintaining lists is an editorial burden, but then, this is an introduction clause, and knowing which PHYs it pertains to is valuable information which should be provided as early as possible.

If the list is indeed removed, the resulting text as of this draft becomes:

"10 Gigabit Ethernet uses the IEEE 802.3 MAC sublayer, connected through a 10 Gigabit Media Independent Interface (XGMII) to one of a number of 10 Gb/s Physical Layers" "one of a number" is just too wordy, and does not even indicate that these Physical layers are defined in this standard.

A reference to Table 44-1 would provide the necessary list.

SuggestedRemedy

Change "one of a number of 10 Gb/s Physical Layers" to "one of the 10 Gb/s Physical Layers specified in this standard (see Table 44–1).

Response ACCI		Response Status C		
C/ 44	SC 44.1.2	P 25	L 27	# 262
Ran, Ade	е	Cisco		
Comment	t Type T	Comment Status A		Text improvement

"Support operation over optical fiber for use in automotive applications" had not been an objective of clause 44 when it was written. Adding it now is arguably changing history, and has no benefit for readers. Since recent clauses do not include "objectives" clauses at all, there is no need to maintain or modify objectives in older clauses.

There are other media that are supported by clause 44 and are not listed here, such as coax (clause 100). Also, other introduction clauses modified by this draft do not include "objectives".

SuggestedRemedy

Delete the editorial instruction and change of 44.1.2.

Response

Response Status C

ACCEPT.

CI 44	SC 4	44.1.4.4	P 28	L 9	# 67
Grow,Rob	pert		RMG Consult	ling	
Comment Base	<i>Type</i> text erro	E r.	Comment Status A		
<i>Suggested</i> The s			belongs after "Clause 68,".		
Response ACCE			Response Status C		
CI 45	SC 4	45.2.1	P 29	L 25	# 68
Grow,Rob	pert		RMG Consult	ting	
Comment	Туре	Е	Comment Status A		
and 3	8.	-	consistency. Make style of		,
and 3 Suggested Delete consis Response	8. dRemedy e the con stent si	y nma and s	space after "1.72, " also "1.7 gh 1.901 followed by underlii <i>Response Status</i> C	3" should be un	
and 3 Suggested Delete consis Response ACCE	8. dRemedy e the con stent s ^o PT.	y nma and s trikethroug	space after "1.72, " also "1.7 gh 1.901 followed by underlin <i>Response Status</i> C	3" should be und ne 1.902.	derlined. Make line 3
and 3 Suggester Delete consis Response ACCE CI 45	8. dRemedy e the con stent si PT. SC 4	y nma and s trikethrous 45.2.1	space after "1.72, " also "1.7 gh 1.901 followed by underlin <i>Response Status</i> C <i>P</i> 29	3" should be und ne 1.902. <i>L</i> 25	
and 3 Suggester Delete consis Response ACCE CI 45 Hajducze	8. dRemedy e the con stent s PT. SC 4 nia, Mare	y nma and s trikethroug 45.2.1 ek	space after "1.72, " also "1.7 gh 1.901 followed by underlin <i>Response Status</i> C <i>P</i> 29 Charter Com	3" should be und ne 1.902. <i>L</i> 25	derlined. Make line 3
and 3 Suggester Delete consis Response ACCE Cl 45 Hajduczel Comment Wrong prece Wrong	8. dRemedy e the con stent si PT. SC 4 nia, Mare Type g editoria ding "," g editoria	y nma and s trikethroug 45.2.1 ek ER al markup al markup	space after "1.72, " also "1.7 gh 1.901 followed by underlin <i>Response Status</i> C <i>P</i> 29	3" should be und ne 1.902. <i>L</i> 25 munications I be underlined,	derlined. Make line 38 # <u>[16</u>
and 3 Suggester Delete consis Response ACCE Cl 45 Hajduczel Comment Wrong prece Wrong	8. dRemedy e the constent si EPT. SC 4 nia, Mare Type g editoria ding "," g editoria are two	y nma and s trikethroug 45.2.1 ek ER al markup Table 45-	space after "1.72, " also "1.7 gh 1.901 followed by underlin <i>Response Status</i> C <i>P</i> 29 Charter Com <i>Comment Status</i> A in Table 45–3. "1.73" should in Table 45–3. "902" should	3" should be und ne 1.902. <i>L</i> 25 munications I be underlined,	derlined. Make line 38 # <u>[16</u>
and 3 Suggested consis Response ACCE Cl 45 Hajduczel Comment Wrong prece Wrong There	8. dRemedy e the con stent si PT. SC 4 nia, Mare g editoria ding "," g editoria e are two dRemedy	y nma and s trikethroug 45.2.1 ek ER al markup Table 45-	space after "1.72, " also "1.7 gh 1.901 followed by underlin <i>Response Status</i> C <i>P</i> 29 Charter Comm <i>Comment Status</i> A in Table 45–3. "1.73" should in Table 45–3. "902" should 3 instances.	3" should be und ne 1.902. <i>L</i> 25 munications I be underlined,	derlined. Make line 38 # <u>[16</u>
and 3 Suggested consis Response ACCE Cl 45 Hajduczel Comment Wrong prece Wrong There	8. dRemedy e the con- stent si PT. SC 4 nia, Mare Type g editoria ding "," g editoria are two dRemedy e fix the	y nma and s trikethroug 45.2.1 ek ER al markup Table 45- y	space after "1.72, " also "1.7 gh 1.901 followed by underlin <i>Response Status</i> C <i>P</i> 29 Charter Comm <i>Comment Status</i> A in Table 45–3. "1.73" should in Table 45–3. "902" should 3 instances.	3" should be und ne 1.902. <i>L</i> 25 munications I be underlined,	derlined. Make line 38 # <u>[16</u>

C/ **45** SC **45.2.1**

C/ 45	SC 45.2.1.1	58a.1	P 31	L 27	# 137		C/ 45	SC 4	5.2.3.87c	P 37	L 32	# 285
Pérez-Ar	randa, Rubén		KDPOF				Torres, Lu			KDPOF		
Commen Indic	51		nt Status A	nt with others.		EZ		inctionalit		Comment Status A gister is about the capal		
Char			to 0010, the mode 0, the mode of op)GBASE-AU" with SE-AU"		Suggested	dRemedy		ability of the remote node		ility is enabled.
Respons ACC	e EPT.	Respons	se Status C					PT IN PF	RINCIPLE.	Response Status C	e" column" in line	with the meaning used
C/ 45	SC 45.2.3.8	7c	P35	L35	# 138			2.1.245.5				with the meaning used
Pérez-Ar Commen	randa, Rubén <i>it Type</i> TR	Comme	KDPOF ent Status A			EZ	Capat 7.33.4	,	ed in othe	r 802.3 subclauses as a	synonym for ability	(i.e., bit 7.33.5 and
PHY	. This test pattern	is intended		y an external test	lid test pattern for equipment calibra					olumn of Table 45-313c ment enable"	(p.35 l.45) "BASE-L	J OAM enable" with
00	edRemedy love 1 1 0 assigni	ment of table	45–313c				functio	onality" w	ith "Enable	on" column of Table 45-3 advertisement of BASE	E-U OÄM ability" an	d "Disable BASE-U
Respons ACC		Respons	se Status C						,	Disable advertisement of E-U OAM enable" with "E		,
							"BASE	E-U OAM	capability	ng text explaining how C shall be enabled when t nd received PHD, are eq	he field PHD.CAP.	
							Add P	ICS acco	ordingly.			

Replace p.36 I.25 "Changes in a BASE-U OAM enable" with "Changes in a BASE-U OAM advertisement enable"

C/ 45 SC 45.2.3.87c

	3.87c P37	L 35	# 286	C/ 45	SC 45.2.3.87c	c.1 P36	L 3	# 283
Torres, Luisma	KDPOF			Pérez-Ara	nda, Rubén	KDPO	F	
understood as the I	Comment Status A the register is about the cap EEE ability of the remote no			reset b	pected that any re before change of t	he operation mode co	n of a 802.3cz complionfiguration takes effe	Registers effect iant PHY will require a ect in the HW. This is vever, requirement of reset
SuggestedRemedy Replace "ability" by	r "capability" in the "Name" c	olumn"		is not s PMD t	•	ther operation modes	corresponding to the	e test patterns used in for
Response	Response Status C			Suggestea	IRemedy			
in 45.2.1.245.5.	th "advertisement" in the "Na		Ŭ	effect encod	after a PMA reset ed in the field PHI	(see 166.3.4.1)". Rer	nove "The operating nd selected at PMA re	node value shall only take mode of the transmitter is eset, and does not change 2 and 23).
Capability is used in 7.33.4).	n other 802.3 subclauses as	a synonym for a	bility (i.e., bit $7.33.5$ and	Response		Response Status	с	
Substitute in the "N	lame" column of Table 45-3	13c (p.35 l.47) "E	EE enable" with "EEE		PT IN PRINCIPLE to add the corresp	E. ponding PICS item.		
advertisement enat	ble"			C/ 45	SC 45.2.3.87c	c.1 P36	L11	# 139
	escription" column of Table			Pérez-Ara	nda, Rubén	KDPO	F	
with "Enable adver advertisement of El	rtisement of EEE ability" and EE ability"	l "Disable LPI mo	de" with "Disable	Comment	Type TR	Comment Status	A	EZ
Replace (p.36 l.30)	"Setting bit 3.2348.0 to one		SE-U PHY EEE capability dvertisement of local PHY	PHY.	This test pattern is		rated by an external t	valid test pattern for a test equipment calibrated
					-			
EEE capability (see				Suggested	Remedy			
ÈEE capability (see Replace (p.36 l.28 a	e 166.4)." and I.32) "EEE enable" with			Remov	ve "A value 0b110 er sensitivity meas			pattern for stressed le 45–313c with behavior
ÈEE capability (see Replace (p.36 l.28 a C/ 45 SC 45.2.3	e 166.4)." and I.32) "EEE enable" with 3.87c.1 <i>P</i> 36	L 3	ent enable". # 238	Remov receive as spe	ve "A value 0b110	surement transmissio	n as specified in Tab	
ÈEE capability (see Replace (p.36 l.28 a C/ 45 SC 45.2.3 Slavick, Jeff	e 166.4)." and I.32) "EEE enable" with	L 3	# 238	Remov	ve "A value 0b110 er sensitivity meas cified in 166.5.6."	surement transmissio	n as specified in Tab	
ÈEE capability (see Replace (p.36 l.28 a Cl 45 SC 45.2.3 Slavick, Jeff <i>Comment Type</i> T	e 166.4)." and I.32) "EEE enable" with 3.87c.1 <i>P</i> 36 Broadco	L 3 m	# 238 Text improvement	Remov receive as spe <i>Response</i>	ve "A value 0b110 er sensitivity meas cified in 166.5.6."	surement transmissio Response Status	n as specified in Tab	
ÈEE capability (see Replace (p.36 l.28 a 2/ 45 SC 45.2.3 Slavick, Jeff <i>Comment Type</i> T Overly wordy descr succinct	e 166.4)." and I.32) "EEE enable" with 3.87c.1 <i>P</i> 36 Broadco <i>Comment Status</i> A	L 3 m	# 238 Text improvement	Removreceive as spe Response ACCE	ve "A value 0b110 er sensitivity meas cified in 166.5.6." PT.	surement transmissio Response Status	n as specified in Tab C <i>L</i> 16	le 45–313c with behavior
ÈEE capability (see Replace (p.36 l.28 a Cl 45 SC 45.2.3 Slavick, Jeff Comment Type T Overly wordy descr succinct SuggestedRemedy	e 166.4)." and I.32) "EEE enable" with 3.87c.1 <i>P</i> 36 Broadco <i>Comment Status</i> A ription of the field. Updated	L 3 m the sub-clause d	# 238 <i>Text improvement</i> esciption to be more	Removreceive as spe Response ACCE	ve "A value 0b110 er sensitivity meas cified in 166.5.6." PT. SC 45.2.3.87c nda, Rubén	surement transmissio Response Status	n as specified in Tabl C <i>L</i> 16 F	le 45–313c with behavior
ÈEE capability (see Replace (p.36 l.28 a Cl 45 SC 45.2.3 Slavick, Jeff Comment Type T Overly wordy descr succinct SuggestedRemedy Bits 3.2348.15:13 s	e 166.4)." and I.32) "EEE enable" with 3.87c.1 <i>P</i> 36 Broadco <i>Comment Status</i> A ription of the field. Updated shall have a default value of on of the BASE-U PCS test	L 3 m the sub-clause d 0b000, selecting	# 238 Text improvement esciption to be more normal BASE-U PCS	Remov receiva as spe Response ACCE Cl 45 Pérez-Ara Comment It is ex	ve "A value 0b110 er sensitivity meas cified in 166.5.6." PT. SC 45.2.3.87c nda, Rubén <i>Type</i> TR spected that any re	surement transmissio Response Status 2.2 P 36 KDPO Comment Status	n as specified in Tabl C <i>L</i> 16 F A n of a 802.3cz compl	le 45–313c with behavior # <mark>284 <i>Registers effect</i> iant PHY will require a</mark>
EEE capability (see Replace (p.36 l.28 a Cl 45 SC 45.2.3 Slavick, Jeff Comment Type T Overly wordy descr succinct SuggestedRemedy Bits 3.2348.15:13 s operation. Selection mapped per Table 4	e 166.4)." and I.32) "EEE enable" with 3.87c.1 <i>P</i> 36 Broadco <i>Comment Status</i> A ription of the field. Updated shall have a default value of on of the BASE-U PCS test	L 3 m the sub-clause d 0b000, selecting	# 238 Text improvement esciption to be more normal BASE-U PCS	Remov receiva as spe Response ACCE Cl 45 Pérez-Ara Comment It is ex	ve "A value 0b110 er sensitivity meas cified in 166.5.6." PT. SC 45.2.3.87c nda, Rubén <i>Type</i> TR spected that any re pefore change of t	surement transmissio Response Status 2.2 P 36 KDPO Comment Status ealistic implementatio	n as specified in Tabl C <i>L</i> 16 F A n of a 802.3cz compl	le 45–313c with behavior # <mark>284 <i>Registers effect</i> iant PHY will require a</mark>
EEE capability (see Replace (p.36 l.28 a Cl 45 SC 45.2.3 Slavick, Jeff Comment Type T Overly wordy descr succinct SuggestedRemedy Bits 3.2348.15:13 s operation. Selection mapped per Table 4	e 166.4)." and I.32) "EEE enable" with 3.87c.1 <i>P</i> 36 Broadco <i>Comment Status</i> A ription of the field. Updated shall have a default value of on of the BASE-U PCS test 45-313c.	L 3 m the sub-clause d 0b000, selecting	# 238 Text improvement esciption to be more normal BASE-U PCS	Remov receive as spe Response ACCE CI 45 Pérez-Ara It is ex reset to Suggested Add at	ve "A value 0b110 er sensitivity meas ccified in 166.5.6." PT. SC 45.2.3.87c nda, Rubén <i>Type</i> TR spected that any re before change of t <i>IRemedy</i>	surement transmissio Response Status 2.2 P 36 KDPO Comment Status ealistic implementatio he loopback mode co bclause (line 18): "Ch	n as specified in Tab C <i>L</i> 16 F A n of a 802.3cz compl infiguration takes effe	le 45–313c with behavior # <mark>284 <i>Registers effect</i> iant PHY will require a</mark>
ÈEE capability (see Replace (p.36 l.28 a Cl 45 SC 45.2.3 Slavick, Jeff Comment Type T Overly wordy descr succinct SuggestedRemedy Bits 3.2348.15:13 s operation. Selection mapped per Table of Response	e 166.4)." and I.32) "EEE enable" with 3.87c.1 <i>P</i> 36 Broadco <i>Comment Status</i> A ription of the field. Updated shall have a default value of on of the BASE-U PCS test 45-313c.	L 3 m the sub-clause d 0b000, selecting	# 238 Text improvement esciption to be more normal BASE-U PCS	Response ACCE Cl 45 Pérez-Ara Comment It is ex reset to Suggested Add at effect Response ACCE	ve "A value 0b110 er sensitivity meas ecified in 166.5.6." PT. SC 45.2.3.870 nda, Rubén Type TR pected that any re before change of t (Remedy the end of the su after a PMA reset PT IN PRINCIPLE	surement transmissio Response Status 2.2 P 36 KDPO Comment Status ealistic implementatio he loopback mode co bclause (line 18): "Ch (see 166.3.4.1)" Response Status	n as specified in Tabl C <i>L</i> 16 F A n of a 802.3cz compl nfiguration takes effe	# 284 # 284 Registers effect iant PHY will require a ect in the HW.

SORT ORDER: Clause, Subclause, page, line

									•				
C/ 45 SC 45.2.3	87c.2	P 36	L 18	# 140		C/ 45		45.2.3.87c	.3	P 36	L 23	# 240	
Pérez-Aranda, Rubén <i>Comment Type</i> ER Value assignation no	<i>Comment</i> ot consistent with				EZ	Slavick, Je Comment T The BA	Туре	T OAM ability		Broadcom t Status A should be to its s	ub-clause		ΕZ
SuggestedRemedy Change "0b00 is sel	ected in 3.2348.	15:13" with "0b0	00 is selected in	3.2348.15:13"		Suggested Chang), see Table	e 45-313d" to "see	e 45.2.3.87d.13"	,	
Response ACCEPT.	Response	Status C				Response ACCE	PT.		Response	Status C			
C/ 45 SC 45.2.3	87c.2	P 36	L18	# 239		C/ 45		45.2.3.87c	.4	P 36	L 28	# 243	
Slavick, Jeff		Broadcom				Slavick, Je				Broadcom			
Comment Type T	Comment	Status A			EZ	Comment T		TR		t Status R		Registers e	
Short a 0. SuggestedRemedy							pmd_	reset, so ho				2348.0 only takes af e bit represents the	iect
Updated the 0b00 to	0b000 inside the	e paranthesis of	the last sentence	e.		Suggested	Reme	dy					
Response	Response	Status C				Add a	new B	ASE-U EEE	E status field	d that relfects the	current operatir	ng state of EEE mod	e.
ACCEPT.						Response			Response	Status U			
C/ 45 SC 45.2.3 Slavick, Jeff		P 36 Broadcom	L 20	# 242			apabili		ed in MDIO comment #2		rallel to those u	sed to manage BAS	E-U
Comment Type TR	Comment			Registers		C/ 45	SC	45.2.3.87c	4	P 36	L 32	# 241	
There is no reflection after a pmd_reset, s opereation state?						Slavick, Je	eff	т		Broadcom <i>t Status</i> A	- 02	"	EZ
SuggestedRemedy								-		to its sub-clause	2		LZ
Add a new BASE-U	OAM status field	I that reflects the	current operatin	ng state of OAM m	node.	Suggested			e enedid be		-		
Response	Response	Status U				00). see Table	e 45-313d" to "see	e 45.2.3.87d.14"	,	
REJECT. According to 166.11 both link partners tra optional ability of OA reported to any attac remote PHD reception communication is into BASE-U OAM ability registers value 1, the The attached STA m reset. In such a case OAM channel. Howe of operations throug	nsmits PHD.CAI M channel and i thed STA by the on status bits (3 dicated reliable, i (3.2349.3) can b an bidirectional C aay change the re o, the read value ever, in this case	P.OAM = 1, which t is enabled. The PHD lock status 2349.11 and 3.2 register BASE-U be used to deter DAM communica egister BASE-U s of the register , it is responsibili	ch indicates both e status of the Ph bit (3.2349.10) a 349.12). Once th OAM enable (3. mine the OAM is tion is operative. OAM enable (3. does not longer ity of the STA to	partners have the HD operation is and the local and he PHD bidirectior 2348.1) and Rem operative. If both 2348.1) without P reflect current star	e nal note n MA tus of	Response ACCEI				Status C			
TYPE: TR/technical requ COMMENT STATUS: D/ SORT ORDER: Clause,	dispatched A/ad	ccepted R/reject					U/uns	atisfied Z/v	withdrawn	C/ 45 SC 45.	2.3.87c.4	Page 11 of 9 10/06/2022	

47:03

C/ 45	SC 45.2.3.87	d.11	P 38	L 32,34	# 287	C/ 45	SC /	45.2.3.87g	P 39		L 51	# 141
Torres, L	uisma		KDPOF			Pérez-Ara	anda, Ru	ıbén	KDPO	=		
Comment	tType E	Comment S	Status A		OAM capability	Comment	Туре	ER	Comment Status	ર		IEEE-SA St
				ity of the remote BA AND that such abilit				ER test mo (3.2352.15		ld be in a su	b-section "4	45.2.3.87g.1 BER test
Suggeste	dRemedy					Suggeste	dRemed	'y				
Repla	ace "ability" with "	capability". Also	in line 34.			Per co	omment					
Response	9	Response S	tatus C			Response	9		Response Status	0		
	EPT IN PRINCIPL		in line 32 and	34.		REJE	CT.					
Repla the re one, l BASE that t	ace paragraph sta emote PHY receiv bit 3.2349.3 indica E-U OAM advertis	rting at I.34 with ed in the PHD f ates both that th ement is enable bes not have B/	n "Bit 3.2349.3 field PHD.CAI ne remote PH ed. When read	3 indicates the BAS P.OAM (see Table Y has BASE-U OAI	E-U OAM ability of 166–2). When read as M ability and that the 9.3 indicates either -U OAM	"Clau than o Other Remo	ses and one subc · cases ir	subclauses clause. For n the draft (nargin (3.23	example, Clause 1 s 45.2.3.87e.1 Local li	nto further su hould not ha nk margin (3	ve a 1.1 un .2350.7:0) a	nly when there is mor less there is also a 1. and 45.2.3.87f.1 ie there are Reserved
C/ 45	SC 45.2.3.87	d.12	P 38	L 39	# 288	C/ 45	SC 4	45.2.3.87h	P 40		L 27	# 142
Torres, L	uisma		KDPOF			Pérez-Ara	anda, Ru	ıbén	KDPO	=		
Comment	tType E	Comment S	Status A		EEE capability	Comment	Туре	ER	Comment Status	र		
				ity of the remote BAND that such ability					deword error counter counter (3.2353.15:0		e in a sub-	section "45.2.3.87h.1
Suggeste	dRemedy					Suggeste	dRemed	<i>y</i>				
Repla	ace "ability" by "ca	pability". Also i	n line 41			Per co	omment					
Response	9	Response S	tatus C			Response	9		Response Status	C		
	EPT IN PRINCIPL ace "ability" with "a					REJE See #						
remo bit 3.2 adver	te PHY received i 2349.2 indicates t rtisement is enabl	n the PHD field both that the rer ed. When read	PHD.CAP.LF note PHY has as zero, bit 3	PI (see Table 166–2 the EEE ability an	ither that the remote							

C/ 45 SC 45.2.3.87h

unhapy with, becau 50GBASE-AU.) Th 1. Increasing speed 2. Increasing reach 3. Decreasing num The following suppl 4. PHY "family desi	(maximum supported distance ber of lanes emental rules address are inclu gnations, by convention, are as recede "Fiber" PHYs (all else b	mment # I-52. (or sure where to ment to insert p over the mediu ided to address	insert 25GBASE-AU and oints.	<i>Suggestec</i> I'm gu	Type Table 7 IRemedy	У	Comment Status o arranged per P802.3		P802.3/D3.2 alignemen # I-52.
I think Table 78-1 i unhapy with, becau 50GBASE-AU.) Th 1. Increasing speed 2. Increasing reach 3. Decreasing num The following suppl 4. PHY "family desi 5. "Copper" PHYs p 6. Alphanumeric so	s arranged per P802.3/D3.0 cor se I do not for example know fo is resolution requires an adjustr (maximum supported distance per of lanes emental rules address are inclu gnations, by convention, are as recede "Fiber" PHYs (all else b	or sure where to ment to insert p over the mediu ided to address	A resolution I remain insert 25GBASE-AU and oints.	l think <i>Suggestec</i> I'm gu	Table 7	8- 5 is als y	o arranged per P802.3		0
unhapy with, becau 50GBASE-AU.) Th 1. Increasing speed 2. Increasing reach 3. Decreasing num The following suppl 4. PHY "family desi 5. "Copper" PHYs p 6. Alphanumeric so	se I do not for example know fo is resolution requires an adjustr (maximum supported distance per of lanes emental rules address are inclu gnations, by convention, are as recede "Fiber" PHYs (all else b	or sure where to ment to insert p over the mediu ided to address	insert 25GBASE-AU and oints.	<i>Suggestec</i> I'm gu	Remed	У	0	3/D3.0 comment ‡	# I-52 .
50GBASE-AU.) Th 1. Increasing speed 2. Increasing reach 3. Decreasing num The following suppl 4. PHY "family desi 5. "Copper" PHYs p 6. Alphanumeric so	is resolution requires an adjustr (maximum supported distance per of lanes emental rules address are inclu gnations, by convention, are as recede "Fiber" PHYs (all else b	ment to insert p over the mediu ided to address	oints.	l'm gu	-				
1. Increasing speed 2. Increasing reach 3. Decreasing num The following suppl 4. PHY "family desi 5. "Copper" PHYs p 6. Alphanumeric so	(maximum supported distance ber of lanes emental rules address are inclu gnations, by convention, are as recede "Fiber" PHYs (all else b	over the mediu			essing o	0505			
5. "Copper" PHYs p 6. Alphanumeric so	recede "Fiber" PHYs (all else b			AU aft 50GB/	ASE-T1 er XGXS ASE-AU	, insert a S (XAUI),	row for 5GBASE-AU a insert a row for 25GBA BASE-KR in Table 78	fter 5GBASE-T1, ASE-AU after 25G 3–1 as follows (und	a row for 2.5GBASE-AU after insert a row for 10GBASE- GAU, and insert a row for ichanged rows not shown):
6. Alphanumeric so			010	Response			Response Status)	
gestedRemedy	(an oloo boing oqual)	og oquu.)		ACCE	PT IN P	RINCIPLE			
2.5GBASE-T1, inse AU after XGXS (XA	GBASE-AU and 50GBASE-AU I rt a row for 5GBASE-AU after 5 UI), insert a row for 25GBASE- fter 40GBASE-T in Table 78–1	GBASE-T1, ins AU after 25GBA	sert a row for 10GBASE- ASE-KR, and insert a row	AU aft 25GB/	er 5GBA ASE-AU	ASE-T1, ir after 250	nsert a row for 10GBAS	SE-AU after 10GE a row for 50GBAS	T1, insert a row for 5GBASE- BASE-T1, insert a row for SE-AU after 50GBASE-KR in
sponse	Response Status C		nanged tows not showinj.	CI 78	SC 7	78.5	P45	L 9	# 263
ACCEPT IN PRINC	,			Ran, Adee	9		Cisco		
				Comment	Туре	Е	Comment Status	4	E
Follow P802.3/D3.0 1. Increasing speed 2. Increasing reach		over the mediu	m)				AU PHY types are inte cal media.	nded to support o	only fast wake LPI, similar to
3. Decreasing num The following suppl 4. PHY "family desi		ded to address signed a reach	special cases	fast w	ake, 400	GBASE-R	ble 78-4 which use fas fast wake, 50GBASE- e, and 400GBASE-R fa	R fast wake, 100	as "fast wake": 25GBASE-R GBASE-R fast wake,
	rt (all else being equal)	enig equal)		Suggested	Remedy	У			
				Add "f	ast wake	e" in the "l	PHY or interface type"	column of the new	w PHYs.
	t a row for 2.5GBASE-AU after : 1, insert a row for 10GBASE-A			Response			Response Status	3	
25GBASE-AU after	25GBASE-KR, and insert a row ws (unchanged rows not shown	v for 50GBASE		ACCE	PT.				

C/ 78 SC 78.5

C/ 105	SC 105	P 46	L 10	# 71	C/ 105	SC	105.5	P 50	L 42	# 248
Grow,Robe	ert	RMG Consul	ting		Nicholl, Sł	hawn		AMD		
Comment T	уре Е	Comment Status A		EZ	Comment	Туре	TR	Comment Status R		RS-FEC
becaus SuggestedF	e of the sig Remedy	s assigned an amendment numbo nificant overlap in things edited b	y P802.3cy an	d P802.3cz.	delay contra	of 11 2 ist, the	64 bit time	ver delay constraints", the 25G e. This includes contributions le lists 24 576 bit time as the s alone.	from PCS, FEC	, PMA, and PMD. In
		that P802.3cy also modifies claus assumes P802.3cz will preceed P			Suggested	Reme	dy			
Response ACCEF	PT IN PRIN	Response Status C	002.00y in an		in the sum o	implem f the 25	entation. 5GBASE-	25GBASE-AU PHY sublayer Propose a value of 32768 bit R PCS (3584 BT), 25GBASE- 5GASE-*R PMD (512 BT).	time (64 pause	_quanta) based on a
C/ 105	SC 105.	5 <i>P</i> 50	L12	# 76	Response			Response Status U		
SuggestedF	clear what t Re <i>medy</i>	Comment Status A he sort order is for Table 105-3. mended, editor's guess is as good	d as mine unle	P802.3/D3.2 alignement ss someone else knows	PCS, 11264 RS sy consid	PMA ar bit tim mbols, dering a	nd PMD s es corres 5440 bits actual imp	MII to 25GMII. It considers su sublayers, without including pr ponds to 2.2x the time needed). This upper bound limit has l lementation in a technology n	opagation delay d to transmit a R been specified w ode qualified for	of the fiber medium. S-FEC code-word (544 vith >25% margin automotive application.
the sort	t order.				C/ 105		105.1.1	P 46	L 19	# 2
Response		Response Status C			Brown, Ma			Huawei		
ACCEP	ΥТ.				stickin	ugh I su ig with j	preceden	Comment Status A noving the long list of PMD typ ce and use the relevant parag ernet in Clause 116.		
					Suggested	dRemed	dy			
					operat		a data rate	raph to: "25 Gigabit Ethernet (e of 25 Gb/s, coupled with any		
					Response			Response Status C		
					ACCE	PT.				

C/ 105 SC 105.1.1

C/ 105 S	SC 105.1.1	P 46	L 19	# 264	C/ 105	SC 105.1.3	P 48	L 8	# 17
Ran, Adee		Cisco			Hajduczei	nia, Marek	Charter Com	munications	
Comment Typ	e E	Comment Status A		Definitions	Comment	Type ER	Comment Status A		EZ
arguable -	- indeed mainta	lause removes a list of PHY aining lists is an editorial bu	irden, but then, t	this is an introduction			erted row but also includes u erted columns but also includ		
	nd knowing whi as early as pos	ich PHYs it pertains to is va	aluable information	on which should be	Suggested	lRemedy			
If the list is	s indeed remov	ved, the resulting text as of as the IEEE 802.3 MAC sub			any of		rs from Table 105-1 and unch ontain unchanged rows/colur ccordingly.		
Media Ind	lependent Inter	rface (25GMII) to one of a n	number of 25 Gb	/s Physical Layers"	Response		Response Status C		
	number" is just ed in this standa	t too wordy, and does not e ard.	ven indicate that	t these Physical layers	ACCE	PT.			
A reference	ce to Table 105	5–2 would provide the nece	ssary list.		C/ 105	SC 105.1.3	P 48	L 27	# 73
SuggestedRer	medy				Grow,Rob	ert	RMG Consu	lting	
		er of 25 Gb/s Physical Laye	ers" to "one of the	e 25 Gb/s Physical	Comment	Туре Е	Comment Status A		P802.3/D3.2 alignemen
Layers spo Response	ecified in this s	standard (see Table 105–2) Response Status C				using the P802 d by comment #	.3 comment resolution for # I- I-52 resolution.	-52 sort order th	ne insert point is I think
ACCEPT.					Suggested	lRemedy			
0/ 40= 0		D 40	1.40	# 000	l'm me	stly guessing th	e insert point is after 25GBAS	SE-KR of the P	802.3/D3.2 table.
C/ 105 S	SC 105.1.1	P 46	L 19	# 222	Doononoo				
					Response		Response Status C		
Lewis, Jon	_	Dell Technol	ogies		•	PT IN PRINCIPI	1		
Comment Typ		Comment Status A	0	P802.3/D3.2 alignement	ACCE		_E.		
Comment Type During the	e edit the text w	Comment Status A vas changed from "Physica"	0		ACCE		1		
Comment Typ During the think this s	e edit the text w should be "Phy	Comment Status A	0		ACCE	tute Table 105-1	_E.		
Comment Typ During the think this s SuggestedRer	e edit the text w should be "Phy <i>medy</i>	Comment Status A vas changed from "Physica"	l Layer entities"	to "Physical Layers". I	ACCE	tute Table 105-1	E. vith the one in P802.3/D3.2	L 27	# 3
Comment Typ During the think this s SuggestedRer	e edit the text w should be "Phy <i>medy</i>	Comment Status A was changed from "Physica ysical Layer entities"	l Layer entities"	to "Physical Layers". I	ACCE Subst The in	tute Table 105-1 sert point is afte SC 105.1.3	E. with the one in P802.3/D3.2 r 25GBASE-KR.		# 3
Comment Typ During the think this s SuggestedRer Change er	e edit the text w should be "Phy <i>medy</i> nd of first sente	Comment Status A was changed from "Physica ysical Layer entities" ence to " one of a numbe	l Layer entities"	to "Physical Layers". I	ACCE Subst The ir C/ 105	tute Table 105-1 sert point is afte SC 105.1.3 att	E. with the one in P802.3/D3.2 r 25GBASE-KR. P48		# <u>3</u> P802.3/D3.2 alignemen
Comment Typ During the think this s SuggestedRer Change el Response ACCEPT.	e edit the text w should be "Phy <i>medy</i> nd of first sente	Comment Status A was changed from "Physica ysical Layer entities" ence to " one of a numbe	l Layer entities"	to "Physical Layers". I	ACCE Subst The ir C/ 105 Brown, M Comment The o	tute Table 105-1 sert point is afte SC 105.1.3 att Type E rder of PHYs in T	E. with the one in P802.3/D3.2 r 25GBASE-KR. P 48 Huawei	L 27 the base stand	P802.3/D3.2 alignemen
Comment Typ During the think this s SuggestedRer Change el Response ACCEPT.	e edit the text w should be "Phy medy nd of first sente	Comment Status A was changed from "Physica ysical Layer entities" ence to " one of a numbe Response Status C P48	Layer entities" or of 25 Gb/s Phy <i>L</i> 8	to "Physical Layers". I ysical Layer entities."	ACCE Subst The ir C/ 105 Brown, M Comment The o	tute Table 105-1 sert point is afte SC 105.1.3 att <i>Type</i> E rder of PHYs in T dd 25GBASE-AU	LE. with the one in P802.3/D3.2 r 25GBASE-KR. P48 Huawei Comment Status A Fable 105-1 is not in line with	L 27 the base stand	P802.3/D3.2 alignemen
Comment Typ During the think this s SuggestedRer Change el Response ACCEPT. Cl 105	e edit the text w should be "Phy medy nd of first sente SC 105.1.3	Comment Status A was changed from "Physica ysical Layer entities" ence to " one of a numbe Response Status C	Layer entities" or of 25 Gb/s Phy <i>L</i> 8	to "Physical Layers". I ysical Layer entities."	ACCE Subst The ir C/ 105 Brown, M Comment The o ordere Suggested	tute Table 105-1 sert point is afte SC 105.1.3 att Type E rder of PHYs in T d 25GBASE-AU IRemedy	LE. with the one in P802.3/D3.2 r 25GBASE-KR. P48 Huawei Comment Status A Fable 105-1 is not in line with	L 27 the base stand SE-SR.	P802.3/D3.2 alignemen
Comment Typ During the think this s SuggestedRer Change er Response ACCEPT. CI 105 Grow,Robert Comment Typ	e edit the text w should be "Phy <i>medy</i> nd of first sente SC 105.1.3	Comment Status A was changed from "Physical ysical Layer entities" ence to " one of a numbe Response Status C P48 RMG Consul	I Layer entities" er of 25 Gb/s Phy <i>L</i> 8 Iting	to "Physical Layers". I ysical Layer entities." # <u>72</u>	ACCE Subst The ir C/ 105 Brown, M Comment The o ordere Suggested	tute Table 105-1 sert point is afte SC 105.1.3 att Type E der of PHYs in T d 25GBASE-AU IRemedy er the PHYs in T	LE. with the one in P802.3/D3.2 r 25GBASE-KR. P48 Huawei Comment Status A Fable 105-1 is not in line with would be just above 25GBA	L 27 the base stand SE-SR.	P802.3/D3.2 alignemen
Comment Typ During the think this s SuggestedRer Change er Response ACCEPT. CI 105 Grow,Robert Comment Typ	e edit the text w should be "Phy <i>medy</i> nd of first sente SC 105.1.3 be E error. Table 1	Comment Status A was changed from "Physical ysical Layer entities" ence to " one of a number Response Status C P48 RMG Consul Comment Status A	I Layer entities" er of 25 Gb/s Phy <i>L</i> 8 Iting	to "Physical Layers". I ysical Layer entities." # <u>72</u>	ACCE Subst The ir C/ 105 Brown, M: Comment The o ordere Suggested Reord Response	tute Table 105-1 sert point is afte SC 105.1.3 att Type E der of PHYs in T d 25GBASE-AU IRemedy er the PHYs in T	LE. with the one in P802.3/D3.2 r 25GBASE-KR. P48 Huawei Comment Status A Fable 105-1 is not in line with would be just above 25GBA Fable 105-1 in line with the ba Response Status C	L 27 the base stand SE-SR.	P802.3/D3.2 alignemen
Comment Typ During the think this s SuggestedRer Change el Response ACCEPT. Cl 105 Grow,Robert Comment Typ Base text SuggestedRer	e edit the text w should be "Phy <i>medy</i> nd of first sente SC 105.1.3 be E error. Table 1	Comment Status A was changed from "Physical ysical Layer entities" ence to " one of a numbe <i>Response Status</i> C P48 RMG Consul <i>Comment Status</i> A 05-1 has been resorted in F	I Layer entities" er of 25 Gb/s Phy <i>L</i> 8 Iting	to "Physical Layers". I ysical Layer entities." # <u>72</u>	ACCE Subst The ir C/ 105 Brown, M: Comment The o ordere Suggested Reord Response	tute Table 105-1 sert point is afte SC 105.1.3 att Type E rder of PHYs in T d 25GBASE-AU IRemedy er the PHYs in T PT IN PRINCIPI	LE. with the one in P802.3/D3.2 r 25GBASE-KR. P48 Huawei Comment Status A Fable 105-1 is not in line with would be just above 25GBA Fable 105-1 in line with the ba Response Status C	L 27 the base stand SE-SR.	P802.3/D3.2 alignemen

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

SORT ORDER: Clause, Subclause, page, line

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SC 105.1.3

		IEEE P802.3cz	D2.0 Mult	i-Gigabit Optical Auto	motive Etherne	et Initia	al Work	ing Group ballot comme	nts	
C/ 105 SC 1	105.1.3	P 49	L 4	# 75	C/ 105	SC 1	105.2	P 49	L 20	# 5
Grow,Robert		RMG Consultir	g		Brown, Ma	att		Huawei		
Comment Type	Е	Comment Status A		P802.3/D3.2 alignemer	t Comment	Туре	Е	Comment Status A		P802.3/D3.2 alignement
Again, using th defined by com		comment resolution for # I-52 52 resolution.	sort order t	he insert point is I think				able 105-2 is not in line with th would be just above 25GBASI		dard. When properly
SuggestedRemedy	'y				Suggested	Remedy	y			
I'm mostly gues	essing the	insert point is after 25GBASE	-KR of the P	802.3/D3.2 table.	Reorde	er the P	HYs in T	able 105-2 in line with the base	e standard a	nd established convention.
Response		Response Status C			Response			Response Status C		
ACCEPT IN PF Substitute Tabl		:. vith the one in P802.3/D3.2.			ACCE See #7		RINCIPL	E.		
The insert poin	nt is after :	25GBASE-KR.			C/ 105	SC 1	105.2	P 49	L 4	# 74
C/ 105 SC 1	105.2	P 49	L 5	# 265	Grow,Rob	ert		RMG Consultin	ng	
Ran, Adee	100.2	Cisco	20	1 200	Comment	Туре	Е	Comment Status A		P802.3/D3.2 alignemen
Comment Type	Е	Comment Status A		E	, Base t	ext erro	r. Table	105-2 has been resorted in P8	02.3/D3.2.	
Table 105-2 loo	ooks wider	than the usual text boundaries s as in all other tables.	s. Its colum	_	Suggested	-		02.3/D3.2.		
-		(page 55), and possibly other	tables in thi	s draft.	Response ACCE	PT.		Response Status C		
SuggestedRemedy	•	n all tables that exceed the bo	undariae ae	necessary	C/ 125	SC 1	105 0	P 56	L15	# 80
Response		Response Status C		necessary.			125.3	RMG Consulti		# 80
ACCEPT.		Response Status C			Grow,Rob Comment		Е	Comment Status A	ig	P802.3/D3.2 alignement
	105.2	P 49	L 6	# 4	Again,	if using	illuminat	i sort order, I think T1 goes be f Table 125-3 in P802.3/D3.2.	fore T beca	Ũ
Brown, Matt		Huawei			Suggested	Remed	v			
Comment Type	E stended b	Comment Status A eyond the text boundaries on	left and right	<i>E.</i> t.	No cha	ange red	commend	led, unless someone else knov ecause of reach	vs better tha	an I. I think the insert point
	stenueu b	ojena ale text beanaanee en			Deenenee			Response Status C		
					Response			Response Status C		
Table 105-2 ex SuggestedRemedy	'y	widths so that the table falls w	ithing the te	xt boundaries (outside of	ACCE					
Table 105-2 ex SuggestedRemedy Reduce the the	'y		rithing the te	xt boundaries (outside of				Response Status		

C/ **125** SC **125.3**

C/ 125 SC 125.	.3	P 56	L 27	# 79	C/ 131	SC 131.1.3	P 58	L 32	# 131
Grow,Robert	R	MG Consulti	ng		Pérez-Arar	nda, Rubén	KDPOF		
Comment Type E	Comment Sta			P802.3/D3.2 alignement	Comment 7	<i>,</i>	Comment Status A		EZ
	able 125-3 has been r	esorted in P8	802.3/D3.2 (5	GBASE-R moved).			ncoding (Table 131-1)		
SuggestedRemedy Use base text from	n P802 3/D3 2				Suggestedl Replac	•	′ using 64/65B and Reed-S	olomon encodir	na" with "50 Gb/s PHY
Response	Response Stat	tus C					ed-Solomon encoding"		
ACCEPT.	Response Star				Response ACCEF	PT.	Response Status C		
CI 125 SC 125.	.1.4	P 54	L 5	# 77	C/ 131	SC 131.1.3	P 58	L 32	# 81
Grow,Robert	R	MG Consulti	ng						# 81
Comment Type E	Comment Sta	tus A		P802.3/D3.2 alignement	Grow,Robe		RMG Cons	uiting	Read 2/D2 2 alimnamon
This table in DOOC	$2/D^2$ 2 appears to ma	to ha in rata	thon alphan	umeric order. I think the	Comment 7	Гуре Е	Comment Status A		P802.3/D3.2 alignemen
	ould put T1 before T be				Using i	lluminati sort or	der, our reach puts AU high	er in the table.	
					Using i Suggestedl		der, our reach puts AU high	er in the table.	
illuminati order wo <i>SuggestedRemedy</i> No change recom	ould put T1 before T be mended, unless some	cause of incl	reasing reach		Suggested	Remedy	der, our reach puts AU high out our reach would put AU		r after CR.
illuminati order wo SuggestedRemedy No change recom would still be after	ould put T1 before T be mended, unless some r T1 because of reach.	cause of incl one else kno	reasing reach	1.	Suggested	Remedy			r after CR.
illuminati order wo SuggestedRemedy No change recom would still be after	ould put T1 before T be mended, unless some	cause of incl one else kno	reasing reach	1.	Suggestedi Not sur Response ACCEF	Remedy re of CR reach b PT IN PRINCIPL	out our reach would put AU Response Status C	either before o	
illuminati order wo SuggestedRemedy No change recom would still be after Response ACCEPT.	ould put T1 before T be mended, unless some r T1 because of reach. <i>Response Sta</i> t	cause of incl one else kno	reasing reach	1.	Suggestedi Not sur Response ACCEF	Remedy re of CR reach b PT IN PRINCIPL	out our reach would put AU <i>Response Status</i> C .E.	either before o	
illuminati order wo SuggestedRemedy No change recom would still be after Response ACCEPT. Cl 125 SC 125.	nuld put T1 before T be mended, unless some T1 because of reach. <i>Response Stat</i>	ecause of incl one else kno tus C	reasing reach ows better tha	n. I. I think the insert point	Suggestedi Not sur Response ACCEF Insertic	Remedy re of CR reach b PT IN PRINCIPL on point after 50 SC 131.2.4	out our reach would put AU <i>Response Status</i> C .E. GBASE-KR and before 50E	either before or BASE-CR becau	use the reach.
illuminati order wo SuggestedRemedy No change recom would still be after Response ACCEPT. C/ 125 SC 125. Grow,Robert	nuld put T1 before T be mended, unless some T1 because of reach. <i>Response Stat</i>	cause of incl one else kno tus C P 55 MG Consulti	reasing reach ows better tha	n. I. I think the insert point	Suggestedi Not sur Response ACCEF Insertic Cl 131	Remedy re of CR reach b PT IN PRINCIPL on point after 50 SC 131.2.4 ert	out our reach would put AU <i>Response Status</i> C .E. GBASE-KR and before 50E <i>P</i> 59	either before or BASE-CR becau	use the reach.
illuminati order wo SuggestedRemedy No change recom would still be after Response ACCEPT. CI 125 SC 125. Grow,Robert Comment Type E This table in P802	ould put T1 before T be mended, unless some r T1 because of reach. <i>Response Star</i> 1.4 R <i>Comment Sta</i>	cause of incl one else kno tus C P 55 MG Consultin tus A e to be in rate	reasing reach ws better tha <i>L</i> 4 ng e then alphani	n. n I. I think the insert point # <u>78</u> <i>P802.3/D3.2 alignement</i> umeric order. I think the	Suggestedi Not sur Response ACCEF Insertic C/ 131 Grow,Robe Comment T Using i	Remedy re of CR reach b PT IN PRINCIPL on point after 50 SC 131.2.4 ert <i>Type</i> E Iluminati sort on	out our reach would put AU <i>Response Status</i> C .E. GBASE-KR and before 50E P 59 RMG Cons	either before or BASE-CR becau <i>L</i> 24 ulting er in the table u	use the reach. # <u>82</u> P802.3/D3.2 alignemen
illuminati order wo SuggestedRemedy No change recom would still be after Response ACCEPT. C/ 125 SC 125. Grow,Robert Comment Type E This table in P802 illuminati order wo	und put T1 before T be mended, unless some r T1 because of reach. <i>Response Stat</i> 1.4 <i>Comment Sta</i> 2.3/D3.2 appears to me	cause of incl one else kno tus C P 55 MG Consultin tus A e to be in rate	reasing reach ws better tha <i>L</i> 4 ng e then alphani	n. n I. I think the insert point # <u>78</u> <i>P802.3/D3.2 alignement</i> umeric order. I think the	Suggestedi Not sur Response ACCEF Insertic C/ 131 Grow,Robe Comment T Using i	Remedy re of CR reach to PT IN PRINCIPL on point after 50 SC 131.2.4 ert <i>Type</i> E Iluminati sort or to put the "M"s	out our reach would put AU Response Status C E. GBASE-KR and before 50E P 59 RMG Cons Comment Status A der, our reach puts AU high	either before or BASE-CR becau <i>L</i> 24 ulting er in the table u	use the reach. # <u>82</u> P802.3/D3.2 alignemen
illuminati order wo SuggestedRemedy No change recom would still be after Response ACCEPT. CI 125 SC 125. Grow,Robert Comment Type E This table in P802 illuminati order wo SuggestedRemedy No change recom	ould put T1 before T be mended, unless some r T1 because of reach. <i>Response Stat</i> .1.4 R 2.3/D3.2 appears to me ould put T1 before T be mended, unless some	ecause of incl one else kno tus C P 55 MG Consultin tus A e to be in rate ecause of incl	reasing reach ows better tha <i>L</i> 4 ng e then alphani reasing reach	n. n I. I think the insert point # <u>78</u> <i>P802.3/D3.2 alignement</i> umeric order. I think the	Suggested Not sur Response ACCEF Insertic C/ 131 Grow,Robe Comment T Using i simply Suggested	Remedy re of CR reach b PT IN PRINCIPL on point after 50 SC 131.2.4 ert Type E Iluminati sort on to put the "M"s Remedy	out our reach would put AU Response Status C E. GBASE-KR and before 50E P 59 RMG Cons Comment Status A der, our reach puts AU high	either before or BASE-CR becau <i>L</i> 24 ulting er in the table u rder).	use the reach. # <u>82</u> P802.3/D3.2 alignemen
illuminati order wo SuggestedRemedy No change recom would still be after Response ACCEPT. Cl 125 SC 125. Grow,Robert Comment Type E This table in P802 illuminati order wo SuggestedRemedy No change recom would still be after	und put T1 before T be mended, unless some r T1 because of reach. <i>Response Stat</i> 1.4 2.3/D3.2 appears to me build put T1 before T be unended, unless some r T1 because of reach.	cause of incl one else kno tus C P 55 MG Consultin tus A e to be in rate cause of incl one else kno	reasing reach ows better tha <i>L</i> 4 ng e then alphani reasing reach	n. n I. I think the insert point # <u>78</u> <i>P802.3/D3.2 alignement</i> umeric order. I think the n.	Suggested Not sur Response ACCEF Insertic C/ 131 Grow,Robe Comment T Using i simply Suggested	Remedy re of CR reach b PT IN PRINCIPL on point after 50 SC 131.2.4 ert Type E Iluminati sort on to put the "M"s Remedy	out our reach would put AU <i>Response Status</i> C .E. GBASE-KR and before 50E <i>P</i> 59 RMG Cons <i>Comment Status</i> A der, our reach puts AU high in a diagional line (clause o	either before or BASE-CR becau <i>L</i> 24 ulting er in the table u rder).	use the reach. # <u>82</u> P802.3/D3.2 alignemen
illuminati order wo SuggestedRemedy No change recom would still be after Response ACCEPT. C/ 125 SC 125. Grow,Robert Comment Type E This table in P802 illuminati order wo SuggestedRemedy No change recom	ould put T1 before T be mended, unless some r T1 because of reach. <i>Response Stat</i> .1.4 R 2.3/D3.2 appears to me ould put T1 before T be mended, unless some	cause of incl one else kno tus C P 55 MG Consultin tus A e to be in rate cause of incl one else kno	reasing reach ows better tha <i>L</i> 4 ng e then alphani reasing reach	n. n I. I think the insert point # <u>78</u> <i>P802.3/D3.2 alignement</i> umeric order. I think the n.	Suggested Not sur Response ACCEF Insertic C/ 131 Grow,Robe Comment 1 Using i simply Suggested Not sur Response ACCEF	Remedy re of CR reach to PT IN PRINCIPL on point after 50 SC 131.2.4 ert Type E Iluminati sort or to put the "M"s Remedy re of all reaches PT IN PRINCIPL	out our reach would put AU Response Status C .E. GBASE-KR and before 50E P 59 RMG Cons Comment Status A der, our reach puts AU high in a diagional line (clause o in the table, but think we g Response Status C	either before or BASE-CR becau <i>L</i> 24 ulting er in the table u rder).	use the reach. # <u>82</u> <i>P802.3/D3.2 alignemen</i> unless the sort order is

C/ 131 SC 131.2.4 Page 17 of 54 10/06/2022 18:47:04

C/ 131	SC 131.4	P 60	L 24	# 83	C/ 166	SC 166.1	P 61	L 18	# 266
Grow,Rob	ert	RMG Consult	ing		Ran, Adee		Cisco		
Comment [·]	Туре Е	Comment Status A		P802.3/D3.2 alignement	Comment Ty	rpe T	Comment Status R		Genera
Using	illuminati sort oro	ler, our reach puts AU higher	in the table.				PHYs for optical media for Au		
Suggested	Remedy						al media, which use existing l PCSs, FECs, and PMAs. PH		
Not su	re of CR reach b	ut our reach would put AU eit	her before or	after CR.			ecause this is the Physical Me		
Response		Response Status C			As an ex	ample the 25	Gb/s PHY specified in clause	112 USAS NR7 6	signaling and a single-
	PT IN PRINCIPL sertion point is b	E. efore 50GBASE-CR if ordered	d taking into a	ccount reach criteria.	lane Ree functions	ed-Solomon ei s as several P	ror correction code over optic HYs in clause 166 (at the sam	al media, which a ne speed or lower	are practically the same r). Other FEC codes are
C/ 166	SC 166.13	P 136	L15	# 202	defined i required		family which can be used ins	tead if higher or l	lower coding gain is
Pérez-Ara	nda, Rubén	KDPOF							a hara a dad da ana a
Comment [·]	Type TR	Comment Status A		EZ			ew PHYs, which are indeed fo blayer stacks, terminology, ph		
Add tw	o rows to Table	166–21 to include mapping o	f pcs_reset va	riable.	using the	e existing BAS	E-R sublayers and just definit	ng new PMDs, ar	nd why they need to be
Suggested	Remedy						ily". The overhead created in t "re-inventing the wheel" need		
	w, "Reset = 1, P I 1, 3.0.15, pcs_r	CS control 1, 3.0.15, pcs_res eset = FALSE"	et = TRUE". A	dd row "Reset = 0, PCS	already	comprehensiv	e enough and should not inclu rs defined in this draft do not	ide multiple solut	ions to the same
Response		Response Status C			Other as	posts of Etho	net such as delay assessmer	te for timostama	ing (clause 00, currently
ACCE	PT.				amende	d by P802.3cx) are intricately dependent on	PHY sublayers a	
C/ 166	SC 166.15	P 138	L 42	# 249	address	ed by this ame	ndment if new sublayers are	used.	
Nicholl, Sh	nawn	AMD					defining a new family of PHYs		
Comment	Type TR	Comment Status R		RS-FEC			ed in the introduction to Claus he existing Ethernet sublayer		
		Delay constraints) pending re	solution of cor	nment against Table 105-			dard to some other working g		, 3
	layer delay cons	traints".			SuggestedR	emedy			
Suggested	-						PHYs to use existing sublaye		
		contraints is updated in Table for 25GBASE-AU. In addition			only the	new PMDs. In	nplement necessary changes	across the draft.	
all PH		3, then update other PHY row			"overvie		te an introduction to clause 1 bclause) and explain to the re		

REJECT. See #248. Response Status C

REJECT.

Response

This amendment adds PHYs for optical media for automotive applications consistent with the project's objectives. The project was approved with objectives of defining PHYs, but not only PMDs, taking in consideration specific implementation, cost and environmental requirements of the targeted application (e.g. temperature range between -40°C and +125°C, number of inline connections, aging, vibrations, reliability mission profiles, standard pick-and-place and reflow assembly process, OAM channel, etc.). All of these requirements were considered in the link model, link budget analysis, and communications system design,

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

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

Cl	166	Page 18 of 54
SC	166.1	10/06/2022 18:47:04

resulting in a solution that is suitable and meet all the objectives.

Specifications of 10GBASE-AU PHYs have to support up to 10 dB insertion loss, 25GBASE-AU PHYs 8 dB, and 50GBASE-AU PHYs 4 dB, under any operation condition, and with margin for the implementers.

The TF selected 980nm wavelength that allows to meet with margin the reliability mission profile and improve the performance in extreme temperatures compared with 850nm. However, even if performance is improved with 980nm, signal integrity distortion produced by optoelectronics operating in extreme temperatures needs to be compensated by the receiver. This task is specially difficult in operation conditions near to the receiver sensitivity point. Therefore, the transmit block, RS-FEC and state diagrams are intentionally designed to allow advance data-aided MMSE symbol synchronization, timing recovery and equalization with short link time.

In addition, the transmit block structure has preallocated time slots where PHY control and status information is transported together the OAM information (special requirement of automotive application).

The test methods specified has been designed and specified taking into consideration (but not limiting) the most suitable implementation of BASE-AU PHYs. A clear example of this is the specification of the reference receiver and TDFOM figure of merit based on MMSE equalization.

All these arguments are extensively covered in a plurality of contributions to the P802.3cz task force.

Regarding to the comment about clause 90, PHYs specified in clause 166 are no more and no less compatible than any other BASE-R based PHY, because they are defined at the same media independent interfaces and BASE-R PCS encoding/decoding state diagrams have been used as baseline (but reducing 1 bit, 64B/65B instead of 64B/66B). In the subclause 166.1 is stated: "The 2.5GBASE-AU, 5GBASE-AU, 10GBASE-AU,

25GBASE-AU, and 50GBASE-AU PHYs are specified to support operation in automotive applications. The link segment specifications were derived from automotive requirements, but may also be used for non-automotive applications". Additional justifications would be odd with introductory sections along IEEE 802.3.

C/ 166	SC 166.1.4	P6	3	L 33	# 244	
Dawe, Pier	rs	Nvidia	a			
Comment fiber.T		Comment Status	Α		EZ	
<i>Suggested</i> fiber. T	-					
Response ACCEI	PT.	Response Status	С			

C/ 166	SC	166.1.4	P 63	L 34	# 246
Dawe, Pie	rs		Nvidia		
Comment TX, RX	•••	E	Comment Status	A	IEEE-SA Style
Suggested	Reme	dy			
For co	nsiste	ncy with mo	st of 802.3, probably s	should be Tx and F	Rx
Response ACCE	PT.		Response Status (2	
C/ 166	SC	166.1.4	P63	L 34	# 245
Dawe, Pie	rs		Nvidia		
Comment the link		E nercable	Comment Status	A	Text improvement
Suggested the me		•	fiber optic cabling		
		PRINCIPLE link partne	Response Status rcable" with "the link p		per optic cabling"
C/ 166	SC	166.1.4	P63	L 34	# 271
Huber, The	omas		Nokia		
Comment Typogr	51	E al error - pa	Comment Status	A	Text improvement
Suggested Split in		<i>dy</i> words, par	tner cable.		
Response ACCE See #2		PRINCIPLE	Response Status (2	

C/ 166 SC 166.1.4

C/ 166 SC 166.1.	4 P 63	L 34	# 225	C/ 166 S	C 166.1.4	P 64	L14	# 267
Martino, Kjersti	Inneos			Ran, Adee		Cisco		
Comment Type E	Comment Status A		Text improvement	Comment Type	т	Comment Status A		LFS
Typo - missing spac	e in "partnercable"					n LFSR" - not necessarily; ar	nd what is an LFS	SR anyway? (no
SuggestedRemedy				reference to	o the expans	sion of the acronym)		
"partner cable"						nentation of a generator of th		
Response	Response Status C					enerate the same sequence	may be used (e.	g. parallel
ACCEPT IN PRINC	, PLE.			Implementa	ations, or a c	block of memory).		
Replace "the link pa	rtnercable" with "the link partne	er using the fiber o	optic cabling"			register should be described	l only as a possib	ole implementation, not
C/ 166 SC 166.1.	4 P 63	L 34	# 144	as a specifi	cation.			
Pérez-Aranda, Rubén	KDPOF			Also in P67	' L2, P74 L1	7, Annex 166A, and corresp	onding PICS.	
Replace "The local I	Comment Status A PMD transmitter and PMD rece				inear feedba	ack shift register as a possib		
Replace "The local I partnercable" with "1 partner using duples	PMD transmitter and PMD rece The local PMD transmitter and I		ed to the link	Refer to a l language s The text 40	inear feedba imilar to othe	er cases where additive scra possible reference.		
Replace "The local I partnercable" with " partner using duples SuggestedRemedy	PMD transmitter and PMD rece The local PMD transmitter and I		ed to the link	Refer to a l language s The text 40 <i>Response</i>	inear feedba imilar to oth .3.1.3.1 is a	er cases where additive scra possible reference. <i>Response Status</i> C		
Replace "The local I partnercable" with " partner using duples SuggestedRemedy	PMD transmitter and PMD rece The local PMD transmitter and I optical cable"		ed to the link	Refer to a l language s The text 40 <i>Response</i>	inear feedba imilar to othe	er cases where additive scra possible reference. <i>Response Status</i> C		
Replace "The local I partnercable" with "T partner using duples SuggestedRemedy Per comment. Other	PMD transmitter and PMD rece The local PMD transmitter and f optical cable" remedy may also valid. <i>Response Status</i> C		ed to the link	Refer to a l language s The text 40 <i>Response</i> ACCEPT IN Replace "T	inear feedba imilar to oth .3.1.3.1 is a N PRINCIPL he scramble	er cases where additive scra possible reference. <i>Response Status</i> C	Ilized" with "The s	ified. scrambler is initialized"
Replace "The local I partnercable" with " partner using dupler SuggestedRemedy Per comment. Other Response ACCEPT IN PRINC See #245.	PMD transmitter and PMD rece 'he local PMD transmitter and I optical cable" remedy may also valid. <i>Response Status</i> C PLE.	PMD receiver are	ed to the link connected to the link	Refer to a l language s The text 40 <i>Response</i> ACCEPT IN Replace "T <i>Cl</i> 166	inear feedba imilar to oth .3.1.3.1 is a N PRINCIPL he scramble C 166.1.4	er cases where additive scra possible reference. <i>Response Status</i> C E. er uses an LFSR that is initia <i>P</i> 64	amblers are spec	ified.
Replace "The local I partnercable" with "T partner using duples SuggestedRemedy Per comment. Other Response ACCEPT IN PRINC See #245.	PMD transmitter and PMD rece The local PMD transmitter and P optical cable" remedy may also valid. Response Status C PLE. 4 P64		ed to the link	Refer to a l language s The text 40 <i>Response</i> ACCEPT IN Replace "T <i>Cl</i> 166 <i>S</i> Pérez-Aranda,	inear feedba imilar to oth .3.1.3.1 is a N PRINCIPL he scramble C 166.1.4 Rubén	er cases where additive scra possible reference. <i>Response Status</i> C E. er uses an LFSR that is initia <i>P</i> 64 KDPOF	Ilized" with "The s	ified. scrambler is initialized" # 146
Replace "The local I partnercable" with " partner using duples SuggestedRemedy Per comment. Other Response ACCEPT IN PRINC See #245. Cl 166 SC 166.1. Pérez-Aranda, Rubén	PMD transmitter and PMD rece The local PMD transmitter and P optical cable" remedy may also valid. <i>Response Status</i> C PLE. 4 P64 KDPOF	PMD receiver are	# 145	Refer to a l language s The text 40 <i>Response</i> ACCEPT IN Replace "T <i>Cl</i> 166 S Pérez-Aranda, <i>Comment Type</i>	inear feedba imilar to oth .3.1.3.1 is a N PRINCIPL he scramble C 166.1.4 Rubén ER	er cases where additive scra possible reference. <i>Response Status</i> C E. er uses an LFSR that is initia <i>P</i> 64 KDPOF <i>Comment Status</i> A	IIZED" with "The s	ified. scrambler is initialized" # [<u>146</u> E
Replace "The local I partnercable" with " partner using dupley SuggestedRemedy Per comment. Other Response ACCEPT IN PRINC See #245. Cl 166 SC 166.1. Pérez-Aranda, Rubén Comment Type ER	PMD transmitter and PMD rece The local PMD transmitter and P optical cable" remedy may also valid. Response Status C PLE. 4 P64	PMD receiver are	ed to the link connected to the link	Refer to a l language s The text 40 <i>Response</i> ACCEPT IN Replace "T <i>Cl</i> 166 S Pérez-Aranda, <i>Comment Type</i>	inear feedba imilar to oth .3.1.3.1 is a N PRINCIPL he scramble C 166.1.4 Rubén ER	er cases where additive scra possible reference. <i>Response Status</i> C E. er uses an LFSR that is initia <i>P</i> 64 KDPOF	IIZED" with "The s	ified. scrambler is initialized" # [<u>146</u> E
Replace "The local I partnercable" with " partner using duples SuggestedRemedy Per comment. Other Response ACCEPT IN PRINC See #245. Cl 166 SC 166.1. Pérez-Aranda, Rubén Comment Type ER Incorrect reference.	PMD transmitter and PMD rece The local PMD transmitter and P optical cable" remedy may also valid. <i>Response Status</i> C PLE. 4 P64 KDPOF	PMD receiver are	# 145	Refer to a l language s The text 40 Response ACCEPT IN Replace "T C/ 166 St Pérez-Aranda, Comment Type I miss refer SuggestedRem	inear feedba imilar to oth .3.1.3.1 is a N PRINCIPL he scramble C 166.1.4 Rubén ER ence to sub edy	er cases where additive scra possible reference. <i>Response Status</i> C E. er uses an LFSR that is initia <i>P</i> 64 KDPOF <i>Comment Status</i> A clause where EEE operation	IIZED WITH "THE S L 26	ified. scrambler is initialized" # [<u>146</u> E
Replace "The local I partnercable" with " partner using dupley uggestedRemedy Per comment. Other response ACCEPT IN PRINC See #245. 1 166 SC 166.1. Pérez-Aranda, Rubén romment Type ER Incorrect reference. uggestedRemedy	PMD transmitter and PMD rece The local PMD transmitter and P optical cable" remedy may also valid. <i>Response Status</i> C PLE. 4 <i>P</i> 64 KDPOF <i>Comment Status</i> A	PMD receiver are	# 145	Refer to a l language s The text 40 Response ACCEPT IN Replace "T C/ 166 St Pérez-Aranda, Comment Type I miss refer SuggestedRem	inear feedba imilar to oth .3.1.3.1 is a N PRINCIPL he scramble C 166.1.4 Rubén ER ence to sub edy	er cases where additive scra possible reference. <i>Response Status</i> C E. er uses an LFSR that is initia <i>P</i> 64 KDPOF <i>Comment Status</i> A	IIZED WITH "THE S L 26	ified. scrambler is initialized" # [<u>146</u> E
Replace "The local I partnercable" with " partner using duples SuggestedRemedy Per comment. Other Response ACCEPT IN PRINC See #245. Cl 166 SC 166.1. Pérez-Aranda, Rubén Comment Type ER Incorrect reference. SuggestedRemedy	PMD transmitter and PMD rece The local PMD transmitter and P optical cable" remedy may also valid. <i>Response Status</i> C PLE. 4 P64 KDPOF	PMD receiver are	# 145	Refer to a l language s The text 40 Response ACCEPT IN Replace "T C/ 166 St Pérez-Aranda, Comment Type I miss refer SuggestedRem	inear feedba imilar to oth .3.1.3.1 is a N PRINCIPL he scramble C 166.1.4 Rubén ER ence to sub edy	er cases where additive scra possible reference. <i>Response Status</i> C E. er uses an LFSR that is initia <i>P</i> 64 KDPOF <i>Comment Status</i> A clause where EEE operation	IIZED WITH "THE S L 26	ified. scrambler is initialized" # [<u>146</u> E

C/ 166 SC 166.1.4

even though all of the ra has thousands or tens o SuggestedRemedy Change the Baud rates : 50GBASE-AU from MBG Response ACCEPT. Cl 166 SC 166.1.4 Pérez-Aranda, Rubén Comment Type TR Interfaces of PCS with F mapping are part of PM/ SuggestedRemedy Replace "transmit symbo bits". Response ACCEPT.	Intel Corpora Comment Status A for the 2.5G, 5G, 10G, 25G, ites are in the multi-gigabit r of thousands MBd when GBd for 2.5GBASE-AU, 5GBASE d units to GBd units. Response Status C P65 KDPOF Comment Status A PMA are in form of bits, inste A, TX and RX functions, res ols" with "transmit bits", and	, and 50G rates a range. It reads or d would be a bett E-AU, 10GBASE- <i>L</i> 18 ead of symbols. S pectively	dd to me that the te ter unit. -AU, 25GBASE-AL # <u>147</u> Symbol mapping ar	ext J, and <i>EZ</i> nd de-	Comment PHY n Suggested Response ACCE See # C/ 166 Pérez-Ara Comment Should Suggested Replac	Inonitor box is rep IRemedy ce "PHY monitor" PT IN PRINCIPL 39. SC 166.2.1 nda, Rubén Type E d not be reference IRemedy	KDPOF Comment Status A eated (i.e. PHY quality monit with "PHD monitor" Response Status C E. P66 KDPOF Comment Status A e to 166.2.2.8 instead of 166 Ference according to comment Response Status C	L 42 .2.2.9?	Hierarchy leve D monitor. # [<u>172</u> E2
the nominal Baud rates even though all of the ra- has thousands or tens of SuggestedRemedy Change the Baud rates 50GBASE-AU from MBC Response ACCEPT. Cl 166 SC 166.1.4 Pérez-Aranda, Rubén Comment Type TR Interfaces of PCS with F mapping are part of PM/ SuggestedRemedy Replace "transmit symbolists". Response ACCEPT.	for the 2.5G, 5G, 10G, 25G, ttes are in the multi-gigabit r of thousands MBd when GBd for 2.5GBASE-AU, 5GBASE d units to GBd units. <i>Response Status</i> C <i>P</i> 65 KDPOF <i>Comment Status</i> A PMA are in form of bits, inste A, TX and RX functions, res	ange. It reads of d would be a bett E-AU, 10GBASE- <i>L</i> 18 ead of symbols. S pectively	dd to me that the te ter unit. -AU, 25GBASE-AL # <u>147</u> Symbol mapping ar	d, ext J, and <i>EZ</i> nd de-	PHY n Suggested Response ACCE See # Cl 166 Pérez-Ara Comment Should Suggested Response	Inonitor box is rep IRemedy ce "PHY monitor" PT IN PRINCIPL 39. SC 166.2.1 nda, Rubén Type E d not be reference IRemedy	eated (i.e. PHY quality monit with "PHD monitor" <i>Response Status</i> C E. <i>P</i> 66 KDPOF <i>Comment Status</i> A e to 166.2.2.8 instead of 166	L 42 .2.2.9?	D monitor. # [<u>172</u>
Change the Baud rates 50GBASE-AU from MBC Response ACCEPT. Cl 166 SC 166.1.4 Pérez-Aranda, Rubén Comment Type TR Interfaces of PCS with F mapping are part of PM/ SuggestedRemedy Replace "transmit symbolists". Response ACCEPT.	d units to GBd units. <i>Response Status</i> C <i>P</i> 65 KDPOF <i>Comment Status</i> A PMA are in form of bits, inste A, TX and RX functions, res	L 18 ead of symbols. S pectively	# <u>147</u> Symbol mapping ar	EZ nd de-	Response ACCE See # Cl 166 Pérez-Ara Comment Should Suggested Replac	PT IN PRINCIPL 39. SC 166.2.1 nda, Rubén <i>Type E</i> d not be reference <i>Remedy</i>	Response Status C E. P66 KDPOF Comment Status A e to 166.2.2.8 instead of 166	.2.2.9?	
Cl 166 SC 166.1.4 Pérez-Aranda, Rubén Comment Type TR Interfaces of PCS with F mapping are part of PM/ SuggestedRemedy Replace "transmit symbo bits". Response ACCEPT.	KDPOF Comment Status A PMA are in form of bits, inste A, TX and RX functions, res	ead of symbols. S pectively	Symbol mapping ar	nd de-	Pérez-Ara Comment Should Suggestec Replac Response	nda, Rubén <i>Type</i> E d not be reference <i>Remedy</i>	KDPOF Comment Status A e to 166.2.2.8 instead of 166	.2.2.9?	
Pérez-Aranda, Rubén Comment Type TR Interfaces of PCS with F mapping are part of PM/ SuggestedRemedy Replace "transmit symbo bits". Response ACCEPT.	KDPOF Comment Status A PMA are in form of bits, inste A, TX and RX functions, res	ead of symbols. S pectively	Symbol mapping ar	nd de-	Comment Should Suggestec Replac Response	Type E I not be reference Remedy	Comment Status A e to 166.2.2.8 instead of 166		Ež
mapping are part of PM/ SuggestedRemedy Replace "transmit symbo bits". Response ACCEPT.	A, TX and RX functions, res	pectively	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Replace Response		Ũ	nt.	
Replace "transmit symbo bits". <i>Response</i> ACCEPT.	ols" with "transmit bits", and	replace "receive	symbols" with "rec	reive			Response Status C		
ACCEPT.			symbols with rec	50170	ACCE	PT.	·		
	Response Status C				C/ 166 Pérez-Ara	SC 166.2.1 nda, Rubén	<i>Р</i> 67 КDPOF	L7	# 173
C/ 166 SC 166.1.4	P65	L 25	# 39		Comment 65B/6	<i>Type</i> ER 4B code is not de	Comment Status A		EZ
Torres, Luisma Comment Type TR	KDPOF Comment Status A		Hierarch		S <i>uggested</i> Repla	•	oding" with "64B/65B decodir	ng".	
in "PHY monitor" should	ctional blocks in PMA do no be "PHD monitor"	t correspond with	h the text in 166.3.	Туро	Response ACCE	DT	Response Status C		
	r" by "PHD monitor". Add a b I. PHD monitor. Link monito			at	C/ 166	SC 166.2.1	P67	L 17	# 174
includes PHY TX control, PHD monitor, Link monitor and PHY RX control. Response Response Status C ACCEPT IN PRINCIPLE. Replace"PHY monitor" with "PHD monitor" in Figure 166-3. Decrease the hierarchy level of PHY quality monitor one step (inside PHY control). Synchronize Figure 166-3 with this hierarchy.		Comment Should Suggested	d not be reference Remedy	KDPOF Comment Status A e to 166.2.2.8 instead of 166		EZ			
					Response ACCE	PT.	Response Status C		

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 166.2.1 10/06/2022 18:47:04 SORT ORDER: Clause, Subclause, page, line

C/ 166 SC 166.2.2	.1.1 P 69	L 19	# 175	C/ 166	SC 166.2.2.2	P7	71	L 9	# 224
Pérez-Aranda, Rubén	KDPOF			Lewis, Jo	n	Dell	Technologie	s	
Comment Type ER	Comment Status A			EZ Comment	Туре Е	Comment Status	R		IEEE-SA Style
There is only one file	PHD.TX.NEXT.*, which i	is PHD.TX.NEXT.MC	DDE.						ntly confused by how
SuggestedRemedy									preted in a couple of 200 bits, but I could be
Change "PHD.TX.NE	XT.*" with "PHD.TX.NEXT	.MODE".				5-bit blocks when I r			
Response	Response Status C			block	S.				
ACCEPT.				Suggeste	dRemedy				
				In Fig	ure 166-7 change	e "187 200 bits" to "18	87 x 200 bits	s"	
C/ 166 SC 166.2.2		L 2	# 176	Response		Response Status	С		
Pérez-Aranda, Rubén	KDPOF			REJE	CT.				
Comment Type ER	Comment Status A			EZ	umber ie "197.00				
		a. P.	a radundanay abaali	. ine n	umber is "187,20	u in US style.			
	/ may result confuse in thi	s context, when cyclic	c redundancy check	IS					
used.	/ may result confuse in thi	s context, when cycli	c redundancy check	Altho		lank space for the th			
used. SuggestedRemedy	-			Althoustand	ards such as ISO) may be misleading			her international at IEEE SA Standard
used. SuggestedRemedy Change "followed by	the resulting 16-bit parity of	check to compose the	e concatenation of the	Altho stand e Style) may be misleading			
used. SuggestedRemedy Change "followed by PHD and the parity b	-	check to compose the esulting 16-bit redund	e concatenation of the	Althoi stand e Style ose Exam	ards such as ISC Manual specifies ples can be found) may be misleading	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b the concatenation of	the resulting 16-bit parity of ts" with "followed by the re he PHD and the redundar	check to compose the esulting 16-bit redund	e concatenation of the	Althoi stand e Style ose	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b	the resulting 16-bit parity of ts" with "followed by the re	check to compose the esulting 16-bit redund	e concatenation of the	Althoi stand e Style ose Exam	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b the concatenation of Response	the resulting 16-bit parity of ts" with "followed by the re he PHD and the redundar <i>Response Status</i> C	check to compose the esulting 16-bit redund	e concatenation of the lancy check to compo	Althoi stand e Style ose Exam	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b the concatenation of Response ACCEPT. Cl 166 SC 166.2.2	the resulting 16-bit parity of ts" with "followed by the re he PHD and the redundar <i>Response Status</i> C	check to compose the esulting 16-bit redund ncy bits"	e concatenation of the	Althoi stand e Style ose Exam	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b the concatenation of Response ACCEPT. Cl 166 SC 166.2.2 Pérez-Aranda, Rubén	the resulting 16-bit parity of ts" with "followed by the re- he PHD and the redundar <i>Response Status</i> C 1.2 P70	check to compose the esulting 16-bit redund ncy bits"	e concatenation of the lancy check to compo	Althoi stand e Style ose Exam	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b the concatenation of Response ACCEPT. Cl 166 SC 166.2.2 Pérez-Aranda, Rubén Comment Type ER	the resulting 16-bit parity of ts" with "followed by the re the PHD and the redundar <i>Response Status</i> C 1.2 <i>P</i> 70 KDPOF	check to compose the esulting 16-bit redund ncy bits" <i>L</i> 5	e concatenation of the lancy check to compo # <u>177</u>	Althoustand e Style pose Exam exam	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b the concatenation of Response ACCEPT. C/ 166 SC 166.2.2 Pérez-Aranda, Rubén Comment Type ER The use of term parit used.	the resulting 16-bit parity of ts" with "followed by the re- the PHD and the redundar <i>Response Status</i> C 1.2 <i>P</i> 70 KDPOF <i>Comment Status</i> A	check to compose the esulting 16-bit redund ncy bits" <i>L</i> 5	e concatenation of the lancy check to compo # <u>177</u>	Althoustand e Style pose Exam exam	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b the concatenation of Response ACCEPT. Cl 166 SC 166.2.2 Pérez-Aranda, Rubén Comment Type ER The use of term parit used. SuggestedRemedy	the resulting 16-bit parity of ts" with "followed by the re- the PHD and the redundar <i>Response Status</i> C .1.2 P70 	check to compose the esulting 16-bit redund ncy bits" <i>L</i> 5 s context, when cyclic	e concatenation of the lancy check to compo # <u>177</u> c redundancy check i	Althoustand e Style pose Exam exam	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b the concatenation of Response ACCEPT. Cl 166 SC 166.2.2 Pérez-Aranda, Rubén Comment Type ER The use of term parit used. SuggestedRemedy Replace "the PHD ar	the resulting 16-bit parity of ts" with "followed by the re- the PHD and the redundar <i>Response Status</i> C 1.2 P70 KDPOF <i>Comment Status</i> A y may result confuse in this d the parity bits" with "the	check to compose the esulting 16-bit redund ncy bits" <i>L</i> 5 s context, when cyclic	e concatenation of the lancy check to compo # <u>177</u> c redundancy check i	Althoustand e Style pose Exam exam	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard
used. SuggestedRemedy Change "followed by PHD and the parity b the concatenation of Response ACCEPT. Cl 166 SC 166.2.2 Pérez-Aranda, Rubén Comment Type ER The use of term parit used. SuggestedRemedy	the resulting 16-bit parity of ts" with "followed by the re- the PHD and the redundar <i>Response Status</i> C .1.2 P70 	check to compose the esulting 16-bit redund ncy bits" <i>L</i> 5 s context, when cyclic	e concatenation of the lancy check to compo # <u>177</u> c redundancy check i	Althoustand e Style pose Exam exam	ards such as ISC Manual specifies ples can be found) may be misleading for this case.	here, this is	the format th	at IEEE SA Standard

C/ **166** SC **166.2.2.2**

C/ 166	SC 166.2.2.3	P71	L 20	# 272	C/ 166	SC 10	6.2.2.5	P74	L 27	# 268
Huber, Th	omas	Nokia			Ran, Adee			Cisco		
Comment	Туре Т	Comment Status A		Technical fix required	Comment 7	Гуре	т	Comment Status A		LFSR
with w blocks indica	/hat is shown in F s prior to TRC coc tes that the PHD	the same in both, the text of rigure 166-10. The figure sho ding and PCS transmit orderin is first TRC-coded and then s e being merged with the paylo	ows the PHD bei ng, whereas the split into 20-bit s	ing split into 20-bit sub- text description ub-blocks by the PCS	to 1 and No, it p sequen	d 2." rovides ices are	portions of not require	Imples of BASE-U LFSR I the specific scrambler sed d to be generated by an L	quences, not me	re examples; and these
Suggested	dRemedy				•	entation).			
		er orders of operations to des	cribe the proces	ss, and align the text or	Suggested		4004			
Ū	accordingly.				Change and 2".		iex 166A p	rovides partial listings of t	he scrambler see	quences for G equal to 1
Response		Response Status C			Response			Response Status C		
ACCEPT IN PRINCIPLE. In subclause 166.2.2.1.2 insert additional step after step 2 for PHD split. Edit Figure 166-5 according to the inserted block. Split 166.2.2.1.4 into two subclauses. First for PHD split, and second for TRC. TRC encoder will be described operating over 20-bit subblocks and returning 20-bit					, ACCEF Replac		INCIPLE.	v provides partial listings of	of BASE-U binary	/ scrambler sequences
subble		schoed operating over 20-bit	. SUDDIOCKS and	returning 20-bit	C/ 166	SC 16	6.2.2.5	P 74	L 27	# 179
Remo	ve shall statemer	nt in siubclause 166.2.2.3 reg	arding chunk or	peration:	Pérez-Aran	ida, Rub	én	KDPOF		
tx_gro	oup80x65B, comir	ering shall follow each seque ng from the payload data path details on PCS bit ordering."			the ope	quence t eration of	o be xor-eo xor compo	Comment Status A d with the RS-FEC encode pses the data scrambling.	The random sec	uences are BASE-U
See F				# 470	binary s	scramble	er LFSR se	quences, instead BASE-L	J LFSR binary so	crambler sequences.
	SC 166.2.2.5	P74	L7	# 178						
C/ 166			LT	# 178	Suggested	-				
C/ 166	anda, Rubén	P 74 KDPOF Comment Status A	LT	# <u>178</u> EZ	In page	e 74, line		e "BASE-U LFSR binary s quences". Do similar char		
Cl 166 Pérez-Ara Comment Figure	anda, Rubén <i>Type</i> ER e 166–9 may be c	KDPOF Comment Status A confuse, because the square l	boxes represent	<i>EZ</i> ting each bit position of	In page binary s	e 74, line scramble		quences". Do similar char		
Cl 166 Pérez-Ara Comment Figure	anda, Rubén <i>Type</i> ER e 166–9 may be c	KDPOF Comment Status A	boxes represent	<i>EZ</i> ting each bit position of	In page binary s	e 74, line scramble	er LFSR se , and Table	quences". Do similar char		
Cl 166 Pérez-Ara Comment Figure the sh Suggested Remo	anda, Rubén <i>Type</i> ER e 166–9 may be c lift register are de d <i>Remedy</i>	KDPOF Comment Status A confuse, because the square I picted continuous from 1 to 2	boxes represent 22 and number c	<i>EZ</i> ting each bit position of of them is small than 22.	In page binary s 166A-1 <i>Response</i> ACCEF LFSR is	9 74, line scramble , 166A.3 PT IN PR s an imp	er LFSR se , and Table / INCIPLE. lementation	quences". Do similar char e 166-2.	nge in Annex 166	
Cl 166 Pérez-Ara Comment Figure the sh Suggested Remo	anda, Rubén <i>Type</i> ER e 166–9 may be c ift register are de <i>dRemedy</i> ive a square box i e 166-33 and Figu	KDPOF Comment Status A confuse, because the square I picted continuous from 1 to 2	boxes represent 22 and number c	<i>EZ</i> ting each bit position of of them is small than 22.	In page binary s 166A-1 <i>Response</i> ACCEF LFSR is	9 74, line scramble , 166A.3 PT IN PR s an imp	er LFSR se , and Table / INCIPLE. lementation	quences". Do similar char e 166-2. Response Status C n of the scrambler.	nge in Annex 166	

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

C/ 166 SC 166.2.2.5

C/ 166	SC 166.2.2.6	P74	L 29	# 180
Pérez-Arand	a, Rubén	KDPOF		
Comment Ty	pe ER	Comment Status A		EZ

The shall statements of 166.2.2.6 and 166.2.2.7 can be included in a single sub-clause "PCS transmit bit order". Finding a subclause called "PCS physical header data transmit bit order" after specification of the binary scrambler is confuse because physical header data path was specified before payload data path, RS-FEC and scrambler. Additionally, both, physical header data path and payload data path are related by the time-domain multiplexing of the transmit ordering, so it does not make sense to separate in two different sub-clauses.

SuggestedRemedy

Move text "The PCS transmit function shall conform to the PCS Physical Header Data transmit bit order in Figure 166–10." to beginning of subclause "PCS transmit bit order" (current 166.2.2.7). Remove sub-clause 166.2.2.6.

Response Response Status C

ACCEPT IN PRINCIPLE.

Merge content of 166.2.2.6 and 166.2.2.7 into a single subclause with title "PCS transmit bit order".

C/ 166	SC 166.2.2.7	P74	L 37, 38	# 181
Pérez-Arand	la, Rubén	KDPOF		
Comment Ty	vpe TR	Comment Status A		EZ

The mapping of XGMII, 25GMII and 50GMII is specified by figures 166-12 and 166-13, regardless the actual exposition of these xMII interfaces in a PHY implementation. Specification is provided in these media independent interfaces, so it cannot be conditional. In other words, if these xMII are not exposed (i.e. used) in a PHY implementation, how the information from the reconciliation layers is mapped?

Response Status C

SuggestedRemedy

Remove "if used" in both lines, 37 and 38.

Response

ACCEPT.

C/ 166	SC 166.	2.2.8.1	P74	L 46	#	182
Pérez-Aran	da, Rubén		KDPOF	:		
Comment T	ype TR	con	nment Status 🛛	λ		PCS encoding

The sentences "The control character for ordered set is labeled as O0 or O4 since it is only valid on the first octet of the xMII. The control character for start is labeled as S0 or S4 for the same reason." are technically incorrect for 50GMII, only valid for XGMII and 25GMII.

SuggestedRemedy

Re-write first paragraph of 166.2.2.8.1. Use 802.3-2018 sub-clause 82.2.3.1 as reference to write technically correct notation convention for 50GMII. Use 802.3-2018 sub-clause 49.2.4.1 as reference to write technically correct notation convention for XGMII/25GMII.

С

Response Status

ACCEPT IN PRINCIPLE.

With editorial license

C/ 166	SC 166.2.2	.8.1 <i>P</i> 75	L 26	# 9	
Lusted, Ke	nt	Intel Corpora	ation		-
Comment 1	Type TR	Comment Status A		Technical fix required	!

In Figure 166-10, it is difficult to quickly ascertain if the "20-bit PHD sub-block n" on line 18 is the same as the "20-bit PHD sub-block n" on line 26 and line 35. This is because the blocks before and after the "three-time Repetition Code" have the same name in the Figure. Even with the text "Encoded PHD" on line 25, it wasn't clear to me that the blocks were different until reading sub-Clause 166.1.4, specifically the paragraph on pg 64, line 6. Consider appending an "e" to the "PHD" (to be "ePHD") to improve the differentiation.

SuggestedRemedy

In Figure 166-10, change the blocks named "20-bit PHD sub-block n" at line 26 to be "20-bit ePHD sub-block n". Change the blocks named "20-bit PHD" to "20-bit ePHD".

Make appropriate changes in the other Figures, such as Figure 166-17, and the text where the "20-bit ePHD" is relevant.

Implement with editorial license.

Response Response Status C

ACCEPT IN PRINCIPLE.

The proposed encoding is a simple three-time Repetition Code, and therefore, the incoming 20-bit PHD sub-blocks are the same before and after this particular code.

However, the readability of Figure 166-10 can be improved by adding three arrows with common origin in a single incoming 20-bit PHD sub-block and terminating in each of the three repeats generated by the TRC.

C/ 166 SC 166.2.2.8.1 Page 24 of 54 10/06/2022 18:47:04

C/ 166 SC 1	166.2.2.8.2	P 76	L 50	# 183	C/ 166	SC 166.2.2.8	.4 P79	L 46	# 197
Pérez-Aranda, Rul	bén	KDPOF			Pérez-Ara	nda, Rubén	KDPOF		
Comment Type	ER Comr	ment Status A		EZ	Comment	Type ER	Comment Status A		E
		ierarchy. We are in			Incorre	ect reference.			
		art. PCS transmit proclude 64B/65B enc		derstood as PCS more functionality inside.	Suggested	IRemedy			
SuggestedRemedy	-						or BASE-U PCS connected	to XGMII or 25GI	MII" with "Table 166–4
		with "Transmit proc	ess" Same for th	e beginning of the first			ected to XGMII or 25GMII"		
paragraph of th				5 5	Response		Response Status C		
Response	Respo	onse Status C			ACCE	PT.			
ACCEPT.					C/ 166	SC 166.2.2.8	.4 P79	L 46	# 273
C/ 166 SC 1	66.2.2.8.2	P77	L 53	# 184	Huber, Th	omas	Nokia		
Pérez-Aranda, Rul	bén	KDPOF			Comment	Туре Е	Comment Status A		E
Comment Type		ment Status A		EZ	The co	ontrol codes from	XGMII and 25GMII are tab	le 166-4	
		ctrl header and the r h the next sub-claus		bits contain the 65-bit	Suggested Chang	<i>IRemedy</i> je Table 166-5 to	Table 166-4.		
SuggestedRemedy	/				Response		Response Status C		
Remove sente tx_block<0>	ence of page 77 lin	ne 53. Start first para	agraph page 78 v	vith "The first bit	ACCE				
of a 65-bit bloc	ck" to specify cl	early how bits are n	napped to tx_bloo	ck construct.	C/ 166	SC 166.2.2.8	.4 P79	L 51	# 269
Response	Respo	onse Status C			Ran, Adee)	Cisco		
ACCEPT.					Comment	Туре Т	Comment Status A		EEE capabilit
	166.2.2.8.4	P79	L 46	# 226		E has not been no EEE negotiated			
Martino, Kjersti	_	Inneos			Suggested	IRemedy			
Comment Type		ment Status A		EZ	Please	e add some cross	-reference and/or clarifying	text.	
be 166-4	number for control	codes for XGMII, 2	5GMII, listed as	Table 166-5, but should	Response		Response Status C		
SuggestedRemedy "Table 166-4 fo		cted to XGMII or 25	GMII"			PT IN PRINCIPL tute "If EEE has i	E. not been negotiated" with "I	f EEE capability is	not enabled"
Response		onse Status C				e following clarifi .1 EEE capability	ying text explaining how EE	E capability is ena	abled in (p.104 l.2):
ACCEPT.					EE EEE c	apability shall be	enabled when the field PHI d PHD, are equal to 1."	D.CAP.LPI (see T	able 166-2) of both, the

Add PICS accordingly.

C/ 166 SC 166.2.2.8.4

C/ 166 SC 166.2.2.8	3.4 P 80	L 20	# 270	C/ 166	SC 166.2.2.8.	4 P 80	L 31	# 251
Ran, Adee	Cisco			Ran, Adee		Cisco		
<i>Comment Type</i> T Why are there six, and codes other than the c	Comment Status R I only six, "reserved" control ones listed reserved?	codes in this tabl	Reserved control codes le? Aren't all control	ls it exp	166-4 footnote a spected that Fibre	Comment Status R says "Reserved for INCITS Channel will be used over		
uggestedRemedy				reserve	e these specific c	odes for Fibre Channel?		
Delete these rows and reserved.	add a note that all control co	odes other than t	the ones listed are		ly in Table 166-5			
Response	Response Status C			Suggested	•	6 h h		
REJECT.	,				the last row and			
These reserved contro clauses that use 64B/6	ol codes are included in the ta 55B and 64B/66B.	ble consistently	with all the 802.3	Response REJEC The sic		Response Status C erved control code is inclu	ded in the table or	onsistently with all the
C/ 166 SC 166.2.2.8	3.4 P 80	L 20	# 198			64B/65B and 64B/66B.		
Pérez-Aranda, Rubén	KDPOF			C/ 166	SC 166.2.2.8.	6 <i>P</i> 81	L 24	# 252
51	Comment Status A		Reserved control codes	Ran. Adee		Cisco		
Column "BASE-U PCS	O code" should be used to i		e of the O codes, which	Ran, Adee <i>Comment T</i>		Cisco Comment Status A		E
Column "BASE-U PCS are 4-bit, and used to block type field. Why r only makes sense for		ol codes using ir appears in this c	e of the O codes, which n combination with the column? This column	Comment 7	<i>Type</i> E e style manual (14		ed numbers less t	
Column "BASE-U PCS are 4-bit, and used to block type field. Why r only makes sense for 49.2.4.4.	S O code" should be used to i encode the ordered set contri eserved0 through reserved5	ol codes using ir appears in this c	e of the O codes, which n combination with the column? This column	Comment 7 Per the spelled	<i>Type</i> E e style manual (14 l out".	Comment Status A		han 10 should be
Column "BASE-U PCS are 4-bit, and used to block type field. Why r only makes sense for 49.2.4.4.	S O code" should be used to i encode the ordered set contri eserved0 through reserved5	ol codes using ir appears in this c ignal ordered se	e of the O codes, which n combination with the column? This column ets. See 802.3-2018	Comment 7 Per the spelled	<i>Type</i> E e style manual (14 l out". are two such num	Comment Status A 4.2), "In general text, isolat		han 10 should be
Column "BASE-U PCS are 4-bit, and used to block type field. Why r only makes sense for 49.2.4.4. SuggestedRemedy Remove reserved0 thr Response	S O code" should be used to i encode the ordered set contri eserved0 through reserved5 sequence ordered sets and s ough reserved5 from column <i>Response Status</i> C	ol codes using ir appears in this c ignal ordered se	e of the O codes, which n combination with the column? This column ets. See 802.3-2018	Comment 7 Per the spelled There a Suggested Change	<i>Type</i> E e style manual (14 l out". are two such num <i>Remedy</i> e "4" to "four" and	Comment Status A 4.2), "In general text, isolat abers in this line, 4 and 8, a	and others may ex	han 10 should be
Column "BASE-U PCS are 4-bit, and used to block type field. Why r only makes sense for 49.2.4.4. SuggestedRemedy Remove reserved0 thr	S O code" should be used to i encode the ordered set contri eserved0 through reserved5 sequence ordered sets and s ough reserved5 from column <i>Response Status</i> C	ol codes using ir appears in this c ignal ordered se	e of the O codes, which n combination with the column? This column ets. See 802.3-2018	Comment 7 Per the spelled There a Suggested Change	<i>Type</i> E e style manual (14 l out". are two such num <i>Remedy</i> e "4" to "four" and n other cases of i	Comment Status A 4.2), "In general text, isolat abers in this line, 4 and 8, a d "8" to "eight".	and others may ex	han 10 should be
Column "BASE-U PCS are 4-bit, and used to block type field. Why r only makes sense for 49.2.4.4. SuggestedRemedy Remove reserved0 thr Response ACCEPT IN PRINCIPI	S O code" should be used to i encode the ordered set contri eserved0 through reserved5 sequence ordered sets and s ough reserved5 from column <i>Response Status</i> C	ol codes using ir appears in this c ignal ordered se	e of the O codes, which n combination with the column? This column ets. See 802.3-2018	Comment T Per the spelled There a Suggested/ Changu Apply in Response	<i>Type</i> E e style manual (14 l out". are two such num <i>Remedy</i> e "4" to "four" and n other cases of i	Comment Status A 4.2), "In general text, isolat abers in this line, 4 and 8, a d "8" to "eight". isolated numbers across th Response Status C	and others may ex	han 10 should be
Column "BASE-U PCS are 4-bit, and used to block type field. Why r only makes sense for 49.2.4.4. SuggestedRemedy Remove reserved0 thr Response ACCEPT IN PRINCIPI	S O code" should be used to i encode the ordered set contri eserved0 through reserved5 sequence ordered sets and s ough reserved5 from column <i>Response Status</i> C	ol codes using ir appears in this c ignal ordered se	e of the O codes, which n combination with the column? This column ets. See 802.3-2018	Comment T Per the spelled There a Suggested Change Apply in Response ACCEF	Type E e style manual (14) out". are two such num Remedy e "4" to "four" and n other cases of it PT. SC 166.2.2.8.	Comment Status A 4.2), "In general text, isolat abers in this line, 4 and 8, a d "8" to "eight". isolated numbers across th Response Status C	and others may ex ne draft as necess	han 10 should be ist. ary.
Column "BASE-U PCS are 4-bit, and used to block type field. Why r only makes sense for 49.2.4.4. SuggestedRemedy Remove reserved0 thr Response ACCEPT IN PRINCIPI	S O code" should be used to i encode the ordered set contri eserved0 through reserved5 sequence ordered sets and s ough reserved5 from column <i>Response Status</i> C	ol codes using ir appears in this c ignal ordered se	e of the O codes, which n combination with the column? This column ets. See 802.3-2018	Comment T Per the spelled There a Suggested Changu Apply in Response ACCEF C/ 166 Pérez-Arar Comment T	Type E e style manual (14 l out". are two such num Remedy e "4" to "four" and n other cases of i PT. SC 166.2.2.8. nda, Rubén	Comment Status A 4.2), "In general text, isolat abers in this line, 4 and 8, a d "8" to "eight". isolated numbers across th Response Status C 9 P82 KDPOF Comment Status A	and others may ex ne draft as necess	han 10 should be ist. ary.
Column "BASE-U PCS are 4-bit, and used to block type field. Why r only makes sense for 49.2.4.4. SuggestedRemedy Remove reserved0 thr Response ACCEPT IN PRINCIPI	S O code" should be used to i encode the ordered set contri eserved0 through reserved5 sequence ordered sets and s ough reserved5 from column <i>Response Status</i> C	ol codes using ir appears in this c ignal ordered se	e of the O codes, which n combination with the column? This column ets. See 802.3-2018	Comment T Per the spelled There a Suggested Change Apply in Response ACCEF C/ 166 Pérez-Arar Comment T BASE- Suggested	Type E e style manual (14 out". are two such num Remedy e "4" to "four" and n other cases of i PT. SC 166.2.2.8. nda, Rubén Type E U PCS use one k Remedy	Comment Status A 4.2), "In general text, isolat abers in this line, 4 and 8, a d "8" to "eight". isolated numbers across th Response Status C 9 P82 KDPOF Comment Status A	and others may ex ne draft as necess	han 10 should be dist. ary. # <u>199</u>

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

C/ 166 SC 166.2.2.8.9 Page 26 of 54 10/06/2022 18:47:04

C/ 166	SC 166.2.2.8.9	P82	L 3	# 227		C/ 166	SC 166.2.2.	9.2	P 83	L 6	# 203
Martino, Kj	jersti	Inneos				Pérez-Ara	nda, Rubén		KDPOF		
Comment 7	Туре Е	Comment Status A			EZ	Comment	Type ER	Comme	nt Status A		l
	eference Table 166 XGMII & 25GMII	6-5 for 50GMII for mapping	, but should also	list Table 166-4 to			ct reference.				
Suggested						Suggested	•				
"See T		66-5 for the mappings."				operat	on (see 166.2.2	2.10)." with "\		e PHY TX contro	I the 64B/65B encoder I state diagram to
Response ACCEI See #2	PT IN PRINCIPLE	Response Status C				Response ACCE		•	e Status C	.~).	
CI 166	SC 166.2.2.8.9	P82	L 3	# 200		C/ 166	SC 166.2.2.	9.3	P83	L 20	# 204
Pérez-Arar	nda, Rubén	KDPOF				Pérez-Ara	nda, Rubén		KDPOF		
Comment 7	Type ER	Comment Status A			EZ	Comment	Type TR	Comme	nt Status A		PCS encodi
Two ta	bles should in the	reference.						, S, T, D, E}	has to return ad	ditionally Ll, in ca	se of LPI encoded by
Suggested	Remedy					72-bit	x_raw				
	ce "See Table 166- appings."	-5 for the mappings." with	"See Table 166–	4 and Table 166–5	for	Suggested Replac	•	ГҮРЕ = {C. S	. T. D. E}" with "T	BLOCK TYPE	= {C, S, T, D, E, LI}".
Response		Response Status C				Replac	e in line 21, "to	one of the fiv		D, E} depending	on its contents." with
ACCE	PT.					Response		Respons	e Status C		
C/ 166	SC 166.2.2.8.9	P 82	L 13	# 201		ACCE	PT.				
Pérez-Arar	nda, Rubén	KDPOF									
Comment T Incorre	<i>Type</i> ER ect reference.	Comment Status A			EZ						
Suggested Replac	<i>Remedy</i> ce "166.2.2.8.2" wit	th "166.2.2.9"									
Response ACCEI	PT.	Response Status C									

C/ 166 SC 166.2.2.9.3

C/ 166	SC 166.2.2.9.	3 P 83	L 24	# 205	C/ 166	SC 166.2.2.9	.3	P83	L 52	# 206	
Pérez-Aranda	a, Rubén	KDPOF			Pérez-Arar	nda, Rubén	ł	KDPOF			
Comment Typ	,	Comment Status A		PCS encoding	Comment		Comment St	atus A			EZ
		to 38 provide definitions not	t valid for a transn	nitter function that uses	Additio	onal reference ne	eded.				
	_raw vector.				Suggested	Remedy					
SuggestedRe	•	with (copies from 802.3-201	8 C/10 2 13 2 3 · ·	"C: The vector contains	Replac	ce "specified in T	able 166–5." wit	h "specified i	in Table 166-4 ar	nd Table 166–5."	
	e following:		0 0/49.2.13.2.3.	C, The vector contains	Response		Response Sta	atus C			
capability	y is supported, a	aracters other than /O/, /S/, zero or four of the character and four valid control chara	rs are /LI/;		ACCEI See #2	PT IN PRINCIPL 228.	E.				
	alid ordered sets			107, 737 and 717,	C/ 166	SC 166.2.2.9	.3	P83	L 54	# 207	
		his vector contains eight /Ll an /S/ in its first or fifth chara		tora boforo the S	Pérez-Arar	nda, Rubén	ł	KDPOF			
character	r are valid cont	rol characters other than /O	/, /S/ and /T/ or fo	orm a valid	Comment	Type ER	Comment St	atus A		PCS er	ncoding
ordered s	set, and all chai	racters following the /S/ are	data characte, rs	3.	Additio	onal reference ne	eded.				
character	rs. and all chara	a /T/ in one of its characters acters following the /T/ are	, all characters be	acters other	Suggested	Remedy					
than /O/,	/S/ and /T/.	-							SE-U PCS" with '		
than /O/, D; The ve	/S/ and /T/. ector contains e	eight data characters. meet the criteria for any oth	er value."		followir					"three characters in Table 166-4. F	
than /O/, D; The ve	/S/ and /T/. ector contains e	eight data characters.	er value."		followir	ng the /O/. A vali		racter with a			
than /O/, D; The ve E; The ve	/S/ and /T/. ector contains e ector does not r	eight data characters. meet the criteria for any oth	er value."		followin BASE-	ng the /O/. A vali -U PCS"	d /O/ is any char	racter with a			
than /O/, D; The ve E; The ve <i>Response</i> ACCEPT	/S/ and /T/. ector contains e ector does not r	eight data characters. neet the criteria for any oth <i>Response Status</i> C	er value." <i>L</i> 52	# 228	followir BASE- <i>Response</i>	ng the /O/. A vali -U PCS"	d /O/ is any char Response Sta	racter with a			
than /O/, D; The ve E; The ve <i>Response</i> ACCEPT	/S/ and /T/. ector contains e ector does not r SC 166.2.2.9.3	eight data characters. neet the criteria for any oth <i>Response Status</i> C			followin BASE- Response ACCEI Cl 166	ng the /O/. A vali -U PCS" PT.	d /O/ is any char Response Sta .3	racter with a	value for O code	in Table 166-4. F	
than /O/, D; The ve E; The ve Response ACCEPT C/ 166 Martino, Kjers Comment Typ	/S/ and /T/. ector contains e ector does not r SC 166.2.2.9.3 rsti pe E	eight data characters. meet the criteria for any oth <i>Response Status</i> C 3 <i>P</i> 83 Inneos <i>Comment Status</i> A	L 52	# <u>228</u> EZ	followin BASE- Response ACCEI Cl 166	ng the /O/. A vali -U PCS" PT. SC 166.2.2.9 nda, Rubén	d /O/ is any char Response Sta .3	racter with a atus C	value for O code	in Table 166-4. F	
than /O/, D; The ve E; The ve Response ACCEPT C/ 166 Martino, Kjers Comment Typ Only refe	/S/ and /T/. ector contains e ector does not r SC 166.2.2.9.3 rsti pe E	eight data characters. meet the criteria for any oth <i>Response Status</i> C 3 <i>P</i> 83 Inneos	L 52	# <u>228</u> EZ	followin BASE- Response ACCEI C/ 166 Pérez-Aran Comment	ng the /O/. A vali -U PCS" PT. SC 166.2.2.9 nda, Rubén <i>Type</i> TR fication in case o	d /O/ is any char Response Sta .3 Comment St	racter with a atus C P84 KDPOF fatus A	value for O code	in Table 166-4. F	-or
than /O/, D; The ve E; The ve Response ACCEPT C/ 166 Martino, Kjers Comment Typ Only refe	/S/ and /T/. ector contains e ector does not r	eight data characters. meet the criteria for any oth <i>Response Status</i> C 3 <i>P</i> 83 Inneos <i>Comment Status</i> A	L 52	# <u>228</u> EZ	followin BASE- Response ACCEI Cl 166 Pérez-Aran Comment Classif	ng the /O/. A vali -U PCS" PT. SC 166.2.2.9 nda, Rubén <i>Type</i> TR fication in case o nient.	d /O/ is any char Response Sta .3 .3 Komment St	racter with a atus C P84 KDPOF fatus A	value for O code	in Table 166-4. F	For
than /O/, D; The ve E; The ve Response ACCEPT C/ 166 Martino, Kjers Comment Typ Only refe cover XG SuggestedRe "A valid c	/S/ and /T/. ector contains e ector does not r	eight data characters. meet the criteria for any oth <i>Response Status</i> C 3 <i>P</i> 83 Inneos <i>Comment Status</i> A	L 52 g, but should also	# 228 <i>EZ</i> list Table 166-4 to	followin BASE- Response ACCEI Cl 166 Pérez-Aran Comment Classif conver Suggested Add afi	ng the /O/. A vali -U PCS" PT. SC 166.2.2.9 nda, Rubén Type TR fication in case o hient. /Remedy fter line 3, before	d /O/ is any char Response Sta .3 F Comment St f LPI not suppor T_TYPE(tx_raw	racter with a atus C P84 <dpof fatus A ted is defined u<71:0>) defi</dpof 	value for O code <i>L</i> 3 d, however addin nition: "Note — A	# 208 # 208 ng a note can be	For EZ at
than /O/, D; The ve E; The ve Response ACCEPT C/ 166 Martino, Kjer Comment Typ Only refe cover XG SuggestedRe "A valid c 166–5."	/S/ and /T/. ector contains e ector does not r	eight data characters. meet the criteria for any oth <i>Response Status</i> C 3 <i>P</i> 83 Inneos <i>Comment Status</i> A 66-5 for 50GMII for mapping	L 52 g, but should also	# 228 <i>EZ</i> list Table 166-4 to	followin BASE- Response ACCEI Cl 166 Pérez-Aran Comment Classif conver Suggested Add afi does n	ng the /O/. A vali -U PCS" PT. SC 166.2.2.9 nda, Rubén Type TR fication in case o hient. /Remedy fter line 3, before not support EEE o	d /O/ is any char Response Sta .3 F Comment St f LPI not suppor T_TYPE(tx_raw	racter with a atus C P84 <dpof fatus A ted is defined u<71:0>) defi</dpof 	value for O code <i>L</i> 3 d, however addin nition: "Note — A	# 208 # 208	Eor EZ at
than /O/, D; The ve E; The ve Response ACCEPT C/ 166 Martino, Kjer Comment Typ Only refe cover XG SuggestedRe "A valid c 166–5." Response	/S/ and /T/. ector contains e ector does not r SC 166.2.2.9.3 rsti pe E erence Table 16 GMII & 25GMII emedy character contro	eight data characters. meet the criteria for any oth <i>Response Status</i> C 3 <i>P</i> 83 Inneos <i>Comment Status</i> A 66-5 for 50GMII for mapping ol is one containing a xMII of <i>Response Status</i> C	L 52 g, but should also control code speci	# 228 EZ list Table 166-4 to	followin BASE- Response ACCEF C/ 166 Pérez-Aran Comment Classif conver Suggested Add afi does n type E.	ng the /O/. A vali -U PCS" PT. SC 166.2.2.9 nda, Rubén Type TR fication in case o hient. /Remedy fter line 3, before not support EEE o	d /O/ is any char <i>Response Sta</i> .3 <i>Comment St</i> f LPI not suppor T_TYPE(tx_raw classifies vectors	racter with a atus C P84 <dpof tatus A ted is defined <<71:0>) defi s containing</dpof 	value for O code <i>L</i> 3 d, however addin nition: "Note — A	# 208 # 208 ng a note can be	Eor EZ at
than /O/, D; The ve E; The ve Response ACCEPT C/ 166 Martino, Kjers Comment Typ Only refe cover XG SuggestedRe "A valid c 166–5." Response ACCEPT	/S/ and /T/. ector contains e ector does not r SC 166.2.2.9.3 rsti pe E erence Table 16 GMII & 25GMII emedy character contro	eight data characters. meet the criteria for any oth <i>Response Status</i> C 3 <i>P</i> 83 Inneos <i>Comment Status</i> A 66-5 for 50GMII for mapping	<i>L</i> 52 g, but should also control code speci SE-U PCS is conn	# 228 EZ list Table 166-4 to ified in Table 166-4 or	followin BASE- Response ACCEF C/ 166 Pérez-Aran Comment Classif conver Suggested Add afi does n type E.	ng the /O/. A vali -U PCS" PT. SC 166.2.2.9 nda, Rubén Type TR fication in case o hient. /Remedy fter line 3, before not support EEE o	d /O/ is any char <i>Response Sta</i> .3 <i>Comment St</i> f LPI not suppor T_TYPE(tx_raw classifies vectors <i>Response Sta</i>	racter with a atus C P84 <dpof tatus A ted is defined <<71:0>) defi s containing</dpof 	value for O code <i>L</i> 3 d, however addin nition: "Note — A	# 208 # 208 ng a note can be	Eor EZ at

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

C/ 166 SC 166.2.2.9.3 Page 28 of 54 10/06/2022 18:47:04

C/ 166 SC 166.2	3 P84	L15	# 185		C/ 166	SC 166.2.3	P 84	L 32	# 211	
Pérez-Aranda, Rubén	KDPOF				Pérez-Aranc	la, Rubén	KDPOF			
Comment Type TR	Comment Status A			ΕZ	Comment Ty	/pe TR	Comment Status A			EZ
Redundant shall sta	tement.Already in 166.2.3.6.				Figure is	s not providing	specification about RXC.			
SuggestedRemedy					SuggestedR	emedy				
Remove ", and the	PCS receive bit ordering in Figu	re 166–17."					in Figure 166–18." with "as s	pecified in 166.2.3	3.7 with mapping	of
Response	Response Status C				Figure 1	66-18″				
ACCEPT.					Response		Response Status C			
	• • • • • • • • • • • • • • • • • • •	/ 0=	# 000		ACCEP	Т.				
C/ 166 SC 166.2	3 <i>P</i> 84 KDPOF	L 25	# 209		C/ 166	SC 166.2.3	P 84	L 33	# 214	
Pérez-Aranda, Rubén				EZ	Pérez-Aranc	la, Rubén	KDPOF			
Commont Tuno TD										
Comment Type TR Error symbols are r RS-FEC decoder ir	Comment Status A ot defined. How the codewords aplementation.	are marked as er	rroneous depends o		Comment Ty They are		Comment Status A ner data or control)			EZ
Error symbols are r	ot defined. How the codewords	are marked as er	rroneous depends o			e transfers (eith				ΕZ
Error symbols are r RS-FEC decoder ir SuggestedRemedy	ot defined. How the codewords	are marked as er	rroneous depends o		They are SuggestedR	e transfers (eith <i>emedy</i>		fers"		ΕZ
Error symbols are r RS-FEC decoder ir SuggestedRemedy	ot defined. How the codewords plementation.	are marked as er	rroneous depends o		They are SuggestedR	e transfers (eith <i>emedy</i>	ner data or control)	fers"		ΕZ
Error symbols are r RS-FEC decoder ir SuggestedRemedy Replace "with error	ot defined. How the codewords aplementation.	are marked as er	rroneous depends o		They are SuggestedR Replace	, e transfers (eith <i>emedy</i> e "50GMII data	transfers" with "50GMII trans	fers"		ΕŹ
Error symbols are r RS-FEC decoder ir SuggestedRemedy Replace "with error Response	ot defined. How the codewords plementation. symbols" with "as erroneous" <i>Response Status</i> C	are marked as er	rroneous depends o # 210		They are SuggestedR Replace Response	, e transfers (eith <i>emedy</i> e "50GMII data	transfers" with "50GMII trans	ufers" L 33	# 212	E2
Error symbols are r RS-FEC decoder ir SuggestedRemedy Replace "with error Response ACCEPT.	ot defined. How the codewords plementation. symbols" with "as erroneous" <i>Response Status</i> C				They are SuggestedR Replace Response ACCEP	, e transfers (eith emedy "50GMII data T. SC 166.2.3	transfers" with "50GMII trans <i>Response Status</i> C		# 212	E2.
Error symbols are r RS-FEC decoder ir SuggestedRemedy Replace "with error Response ACCEPT. Cl 166 SC 166.2	ot defined. How the codewords aplementation. symbols" with "as erroneous" <i>Response Status</i> C 3 P84				They are SuggestedR Replace Response ACCEP	, e transfers (eith emedy "50GMII data T. SC 166.2.3 da, Rubén	ner data or control) transfers" with "50GMII trans <i>Response Status</i> C <i>P</i> 84		# <mark>212</mark>	EZ
Error symbols are r RS-FEC decoder ir SuggestedRemedy Replace "with error Response ACCEPT. Cl 166 SC 166.2 Pérez-Aranda, Rubén Comment Type ER	ot defined. How the codewords applementation. symbols" with "as erroneous" <i>Response Status</i> C 3 <i>P</i> 84 KDPOF				They are SuggestedR Replace Response ACCEP C/ 166 Pérez-Aranc Comment Ty	, e transfers (eith emedy 50GMII data T. SC 166.2.3 da, Rubén ype TR	ner data or control) transfers" with "50GMII trans <i>Response Status</i> C <i>P</i> 84 KDPOF		# 212	
Error symbols are r RS-FEC decoder ir SuggestedRemedy Replace "with error Response ACCEPT. Cl 166 SC 166.2 Pérez-Aranda, Rubén Comment Type ER	ot defined. How the codewords pplementation. symbols" with "as erroneous" <i>Response Status</i> C 3 <i>P</i> 84 KDPOF <i>Comment Status</i> A				They are SuggestedR Replace Response ACCEP C/ 166 Pérez-Aranc Comment Ty	, e transfers (eith emedy 50GMII data T. SC 166.2.3 da, Rubén ype TR e transfers (eith	ransfers" with "50GMII trans <i>Response Status</i> C <i>P</i> 84 KDPOF <i>Comment Status</i> A		# <u>212</u>	
Error symbols are r RS-FEC decoder ir SuggestedRemedy Replace "with error Response ACCEPT. Cl 166 SC 166.2 Pérez-Aranda, Rubén Comment Type ER There is a plurality SuggestedRemedy	ot defined. How the codewords pplementation. symbols" with "as erroneous" <i>Response Status</i> C 3 <i>P</i> 84 KDPOF <i>Comment Status</i> A	L 25	# [<u>210</u>		They are SuggestedR Replace Response ACCEP Cl 166 Pérez-Aranc Comment Ty They are SuggestedR	, e transfers (eith emedy 50GMII data T. SC 166.2.3 da, Rubén ype TR e transfers (eith e transfers (eith	ransfers" with "50GMII trans <i>Response Status</i> C <i>P</i> 84 KDPOF <i>Comment Status</i> A	L 33		
Error symbols are r RS-FEC decoder ir SuggestedRemedy Replace "with error Response ACCEPT. Cl 166 SC 166.2 Pérez-Aranda, Rubén Comment Type ER There is a plurality SuggestedRemedy	ot defined. How the codewords pplementation. symbols" with "as erroneous" <i>Response Status</i> C 3 <i>P</i> 84 KDPOF <i>Comment Status</i> A of RS-FEC messages.	L 25	# [<u>210</u>		They are SuggestedR Replace Response ACCEP Cl 166 Pérez-Aranc Comment Ty They are SuggestedR	, e transfers (eith emedy 50GMII data T. SC 166.2.3 da, Rubén ype TR e transfers (eith e transfers (eith	transfers" with "50GMII trans <i>Response Status</i> C <i>P</i> 84 KDPOF <i>Comment Status</i> A her data or control)	L 33		

C/ 166 SC 166.2.3

				g				.9 0.00.0		
C/ 166	SC 166.2.3	3 P 84	L 36	# 213	C/ 166	SC 16	5.2.3.1	P 84	L 50	# 254
Pérez-Ar	anda, Rubén	KDPOF			Ran, Adee			Cisco		
Commen	t Type TR	Comment Status A		EZ	Comment	Туре т		Comment Status A		LFSR
Figur	e is not providir	ng specification about RXC.						ith same initialization value		
Suggeste	dRemedy							same LFSR, since the initia e scrambler in 166.2.2.5 are		
	ace "as specifie e 166-19"	d in Figure 166–19." with "as sp	pecified in 166.2.	3.7 with mapping of		ation valu			, only the polyne	
Response		Response Status C						e initialization occurs. I ass cquisition, but it would bette		
ACCI					Suggested	Remedy				
C/ 166	SC 166.2.3	3.1 <i>P</i> 84	L 49	# 253			the sar	me polynomial and the sam	e initialization va	alue as specified in
Ran, Ade	e	Cisco			166.2.2	2.5".				
Commen	t Туре Т	Comment Status A		Text improvement	Clarify	how the d	escraml	oler lock is acquired.		
"The	descrambler sh	all process the 195 840 Transr	nit Block bits"		Response			Response Status C		
	Ildn't it process ritten it is confu	the received bits? (yes, they are	e in a block calle	d "Transmit block", but	ACCE	PT IN PRI	NCIPLE			
		5,	halp readers dist	inquich the two (they	Chang 166.2.2		the sar	ne polynomial and the sam	e initialization va	alue as specified in
		lock" should also be defined to ously in a PHY).	neip readers dist	inguisit the two (they	-					
Suaaeste	dRemedy							need to be adquired becau the begining of each Trans		and random binary
00	irase as necess	ary.			Once t	he receive	r archie	ves Transmit Block synchro	onization, it knov	5
Response	е	Response Status C						r each Transmit Block (first mplemented by cross-corre	. ,	
,	- EPT IN PRINCI	,						nsmitter (LBLOCK_T) befor		
"The	descrambler sh	all process the 195 840 bits of	a received Trans	mit Block"	https://	www.ieee	302.org/	3/cz/public/mar_2021/pere	zaranda_3cz_02	2_0321_scrambler.pdf)

C/ 166 SC 166.2.3.1 Page 30 of 54 10/06/2022 18:47:05

C/ 166	SC 166.2.3.1	P 100	L 51	# 255	C/ 166	SC 166
Ran, Adee		Cisco			Pérez-Aranda	a, Rubé
Comment T	ype T	Comment Status A		Text improvement	Comment Typ	be E
		above defined PHY quality of			Repeated	l senter
		e symbol detector decision p be lower than a given thresh		ch expressed in base-2	SuggestedRe	medy
-	M is not given a	-	-		Remove the group	
_	Ū.				Response	
		ean squared error threshold, In also depends on the const			ACCEPT	•
		riterion may also be depende			C/ 166	SC 166
error, th factors.	e possibility of r	non-stationary bit error statist	ics at the FEC i	nput, any maybe other	Huber, Thom	as
					Comment Typ	be E
instead	left as an implei	esponding criteria (such as n mentation detail, then there n	nay be no need	to define T_LM and LM	The two s figure	sentenc
ÌМ іs а	n implementatio	h detail; subclause 166.3.5.2 n-specific value representing e to minimum SNR required	the SNR margi	in, expressed in a base-2	SuggestedRe Delete th	•
SuggestedF	Remedy				Response	
	lower than a g	iven threshold T_LM" to "low	er than an imple	ementation-specific	ACCEPT	•
Conside				44	C/ 166	SC 16
	er rewnung inis s	subclause in the spirit of the l	ast sentence in	the comment.	Huber, Thom	as
Response		Response Status C			Comment Typ	be T
Change	T IN PRINCIPLI lower than a g ld T_LM".	⊑. iven threshold T_LM" to "low	er than an imple	ementation dependent	It seems to illustra	
C/ 166		P86	L6	# 215	SuggestedRe	
Pérez-Aran		KDPOF	-•		Add a fig	ure that
Comment T		Comment Status A		EZ	Response	
	reference				ACCEPT	•
SuggestedF	Remedy					
Replace	e "by setting the	R_BLOCK_TYPE of the affe TYPE of the affected 65-bit bl				

Response Status C

ACCEPT.

	30 16	6.2.3.3	P 86	L11	# <u>216</u>
Pérez-Ara	nda, Rub	én	KDPOF		
<i>Comment</i> Repea	<i>Type</i> ted sente	ER ence.	Comment Status A		
Suggested	Remedy				
			CS receiver ordering shall s cks and 20-bit encoded PH		
Response			Response Status C		
ACCE	PT.				
C/ 166	SC 16	66.2.3.3	P 86	L11	# 274
Huber, The	omas		Nokia		
			Comment Ofature		
		E ces in this	Comment Status A s pagraph are the same, exe	cept that the first	one doesn't refer to
The tw figure	o senten	-		cept that the first	: one doesn't refer to
The tw figure Suggested	vo senten Remedy	ces in this	s pagraph are the same, exc	cept that the first	: one doesn't refer to
The tw figure Suggested	vo senten Remedy the first s	-	s pagraph are the same, exc	cept that the first	one doesn't refer to
The tw figure Suggested Delete Response	<i>Remedy</i> the first s	ces in this	s pagraph are the same, exc	L 15	e one doesn't refer to
The tw figure Suggested Delete Response ACCE	<i>Remedy</i> the first s PT.	ces in this	Response Status C		
The tw figure Suggested Delete Response ACCE Cl 166	Remedy the first s PT. SC 16	ces in this	Response Status C		
The tw figure Suggested Delete Response ACCE Cl 166 Huber, The Comment It seen	PT. SC 16 DTase SC 16 DTase Type ns like a 1	ces in this sentence. 66.2.3.4 T	Response Status C P86 Nokia	L 15	# 275
The tw figure Suggested Delete Response ACCE Cl 166 Huber, The Comment It seen	PT. SC 16 Drmas Type Itrate the	ces in this sentence. 66.2.3.4 T	Response Status C P86 Nokia Comment Status A Iogous to Figure 166-10 for	L 15	# 275

Response Response Status C

TYPE: TR/technical required ER/editorial required GR/gene	ral required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line	

C/ 166 SC 166.2.3.4 Page 31 of 54 10/06/2022 18:47:05

IEEE P802.3cz	D2.0 Multi-Gigabit Optical Au	Itomotive Ethernet Initial	Working Group	ballot comments

C/ 166 SC	166.2.3.5	P 86	L 25	# 217	C/ 166 SC 16	6.2.3.5	P 86	L 31	# 219
Pérez-Aranda, Ri	ubén	KDPOF			Pérez-Aranda, Rubé	n	KDPOF		
Comment Type Incorrect refe		Comment Status A ypes are defined in differ	ent sub-clause.	EZ	21	R Comme statement. Alread	<i>nt Status</i> A ly in 166.2.3.2.		RS-FEC
SuggestedRemed	ły				SuggestedRemedy				
		ld contains a reserved va ed value (see 166.2.2.8.3		2.8.4)." with "The block	166.2.2.3 decode	ed correctly the 31		the RS-FEC funct	
Response	R	esponse Status C			codeword is inva				
ACCEPT.					Response	,	e Status C		
C/ 166 SC	166.2.3.5	P 86	L 26	# 218	ACCEPT IN PRI See #276.	NCIPLE.			
Pérez-Aranda, Ri	ubén	KDPOF			C/ 166 SC 16	6.2.3.5	P 86	L 34	# 220
Comment Type	_	Comment Status A		EZ	Pérez-Aranda, Rubé	n	KDPOF		
Space before	Table 166-14				Comment Type T	R Comme	nt Status A		RS-FEC
SuggestedRemed	ly				/E/ is not valid va	alue for R_BLOCK	_TYPE, but E.		
Add space.					SuggestedRemedy				
Response ACCEPT.	R	esponse Status C				_BLOCK_TYPE of E of an invalid 65-I		block is set to /E/." E."	with "The
	166.2.3.5	P86	L 31	# 276	Response	Respons	e Status C		
	100.2.3.5		231	# 270	ACCEPT IN PRI				
Huber, Thomas	-	Nokia		RS-FEC	I his sentence is	removed accordin	ng #276		
Comment Type	-	Comment Status A seems out of place here	(it is discussing		C/ 166 SC 16	6.2.3.6	P 86	<i>L</i> 39, 41	# 186
		y covers the concept of e			Pérez-Aranda, Rubé	n	KDPOF		
		ole errors), and the final p	pargraph is alrea	dy covered in the first	Comment Type T	R Comme	nt Status A		EZ
line of the cla									-19, regardless the
SuggestedRemed		L (100 0 0 5							becification is provided other words, if these
Delete the las		phs of 166.2.3.5.						tation, how the info	
Response	R	esponse Status C			reconciliation lay	ers is mapped?			
ACCEPT.					SuggestedRemedy				
						" in both lines, 39 a second sentence.		with new paragrap	h after first sentence.
					Response	Respons	e Status C		

ACCEPT.

C/ 166 SC 166.2.3.6

IEEE P802.3cz D2.0 Multi-Gigabit O	otical Automotive Ethernet Initial	Working Group ballot comments

C/ 166	SC 166.2.3.7.2	P 89	L 14	# 187	C/ 166	SC 166.2.3.7	7.3 /	⊃90	L 32	# 229
Pérez-Ara	nda, Rubén	KDPOF			Martino, k	(jersti	Inr	ieos		
Comment Plural Suggested		Comment Status A		E.		reference Table 1	<i>Comment Stat</i> 166-5 for 50GMII, b		so list Table 166	PCS encoding -4 to cover XGMII &
00		t in the figure is" with "The I	eftmost bit in the	e figures is"	Suggestee	dRemedy				
Response		Response Status C					eter is one containin containing a O code			Table 166-4 or 166–5. r 166–5.
ACCE	PT.				Response)	Response Statu	ıs C		
C/ 166	SC 166.2.3.7.3	P 89	L 35	# 188		EPT IN PRINCIPL		obaraatar ia	ono containing	a BASE-U control code
Pérez-Ara	nda, Rubén	KDPOF				ble 166–4. A valio			one containing	
Comment	Type ER	Comment Status A		E	z is one	; containing a O o	code specified in Ta	able 166–4."	•	
Redun	idant				C/ 166	SC 166.2.3.7	7.3 /	^{>} 90	L 34	# 191
Suggested	Remedy				Pérez-Ara	anda, Rubén	KD	POF		
Replac	ce "and decodes th	ne 65B RS-FEC bit vector"	vith "and decode	es it"	Comment	Type TR	Comment Stat	us A		EEE capability
Response ACCE	PT.	Response Status C			Class conve		of LPI not supported	d is defined,	however adding	g a note can be
	SC 166.2.3.7.3	<i>P</i> 89	L 36	# 400	- Suggestee	dRemedy				
C/ 166			L 36	# 189						– A BASE-U PHY that ontrol characters as
	nda, Rubén <i>Type</i> TR	KDPOF Comment Status A		E	type F		classilles vectors c	ontaining of		
Comment	ect reference in the			E.	Response		Response Statu	ıs C		
Suggested Replac	Remedy ce "The DECODE	function shall decode the rx			ACCE Add n "NOT	EPT IN PRINCIPL	PHY without EEE c	apability cla	ssifies vectors c	ontaining one or more
166.2.	2.8."		_				1 "that supports EE	E" with "with	IEEE capability	for consistency with
Response ACCE	PT.	Response Status C			Also r	nent #269. replace 80 line 51 nent #269.	1 "that supports EE	E" with "with	n EEE capability	for consistency with

C/ 166 SC 166.2.3.7.3

C/ 166 SC 166.2	2.3.7.3	P 90	L 32,33	# 190	C/ 166 SC	C 166.2.3.8	P 91	L 39	# 277
Pérez-Aranda, Rubén		KDPOF			Opsasnick, Eug	gene	Broadcom		
Comment Type ER	Comr	nent Status A		PCS encoding	Comment Type	Е	Comment Status R		Technical fix required
Lack of reference t	o Table 166-4	l.					te does not show next state	e transitions whe	en R_TYPE(rx_block) =
SuggestedRemedy					(T + D + E)				
				code in Table 166–5.	SuggestedRem	,	DV T to DV Futher D T		
				with "A valid control d Table 166–5. A valid		ansidon nom	RX_T to RX_E when R_TY	$r = (1X_block) =$	(1+D+E)
		de specified in Tabl			Response REJECT.		Response Status C		
Response	Respo	nse Status C				sitions to RX	T state check that the R T	YPE NEXT is n	ot T. is not D. and is not
ACCEPT IN PRINC	CIPLE.				E.	-	- –	—	, ,
See #229.					(R_TYPE_f	NEXT = (S +	C + LI))		
C/ 166 SC 166.2	.3.8	P 91	L 10	# 192	C/ 166 SC	C 166.2.3.8	P 91	L 41	# 194
Pérez-Aranda, Rubén		KDPOF			Pérez-Aranda,	Rubén	KDPOF		
Comment Type ER	Comr	nent Status A		EZ	Comment Type	ER	Comment Status A		EZ
Comment Type ER Transition R_TYPE			isconnected from s		Text of tran		Comment Status A PE(rx_block) = C" from state	e RX_T is separ	
21			isconnected from s		Text of tran line.	sition "R_TYF		e RX_T is separ	
Transition R_TYPE			isconnected from s		Text of tran line. SuggestedRem	sition "R_TYF edy	PE(rx_block) = C" from state	e RX_T is separ	
Transition R_TYPE SuggestedRemedy	(rx_block) = (isconnected from s		Text of tran line. SuggestedRem Move transi	sition "R_TYF	PE(rx_block) = C" from state er to line.	e RX_T is separ	
Transition R_TYPE SuggestedRemedy Connect it	(rx_block) = ((E + D + LI + T) is d	isconnected from s		Text of tran line. SuggestedRem Move transi Response	sition "R_TYF edy	PE(rx_block) = C" from state	e RX_T is separ	
Transition R_TYPE SuggestedRemedy Connect it Response ACCEPT.	(rx_block) = (Respo	(E + D + LI + T) is d nse Status C		state RX_INIT	Text of tran line. SuggestedRem Move transi	sition "R_TYF edy	PE(rx_block) = C" from state er to line.	e RX_T is separ	
Transition R_TYPE SuggestedRemedy Connect it Response ACCEPT. Cl 166 SC 166.2	(rx_block) = (Respo	(E + D + LI + T) is d nse Status C P 91	isconnected from s		Text of tran line. SuggestedRem Move transi Response ACCEPT.	sition "R_TYF edy	PE(rx_block) = C" from state er to line.	e RX_T is separ	
Transition R_TYPE SuggestedRemedy Connect it Response ACCEPT. C/ 166 SC 166.2 Pérez-Aranda, Rubén	(rx_block) = (Respo	(E + D + LI + T) is d nse Status C P 91 KDPOF		state RX_INIT	Text of tran line. SuggestedRem Move transi Response ACCEPT.	sition "R_TYF edy ition text clos	PE(rx_block) = C" from state er to line. <i>Response Status</i> C		ated from the transition
Transition R_TYPE SuggestedRemedy Connect it Response ACCEPT. C/ 166 SC 166.2 Pérez-Aranda, Rubén Comment Type ER	(rx_block) = (Respo 2.3.8 Comr	(E + D + LI + T) is d nse Status C P 91 KDPOF nent Status A	L 11	state RX_INIT # [<u>193</u>	Text of tran line. SuggestedRem Move transi Response ACCEPT. Cl 166 Sc	sition "R_TYF edy ition text clos	PE(rx_block) = C" from state er to line. <i>Response Status</i> C <i>P</i> 92		ated from the transition
Transition R_TYPE SuggestedRemedy Connect it Response ACCEPT. C/ 166 SC 166.2 Pérez-Aranda, Rubén Comment Type ER	(rx_block) = (Respo 2.3.8 Comr	(E + D + LI + T) is d nse Status C P 91 KDPOF nent Status A	L 11	state RX_INIT # 193 EZ	Text of tran line. SuggestedRem Move transi Response ACCEPT. Cl 166 St Torres, Luisma Comment Type	sition "R_TYF edy ition text clos C 166.3 ER	PE(rx_block) = C" from state er to line. <i>Response Status</i> C <i>P</i> 92 KDPOF	 	rated from the transition # 41 EZ
Transition R_TYPE SuggestedRemedy Connect it Response ACCEPT. Cl 166 SC 166.2 Pérez-Aranda, Rubén Comment Type ER Transition R_TYPE position).	(rx_block) = (Respo 2.3.8 Comr	(E + D + LI + T) is d nse Status C P 91 KDPOF nent Status A	L 11	state RX_INIT # 193 EZ	Text of tran line. SuggestedRem Move transi Response ACCEPT. Cl 166 St Torres, Luisma Comment Type	sition "R_TYF edy ition text clos C 166.3 ER " is not the na	PE(rx_block) = C" from state er to line. <i>Response Status</i> C <i>P</i> 92 KDPOF <i>Comment Status</i> A	 	rated from the transition # 41 EZ
Transition R_TYPE SuggestedRemedy Connect it Response ACCEPT. C/ 166 SC 166.2 Pérez-Aranda, Rubén Comment Type ER Transition R_TYPE	(rx_block) = (Respo 2.3.8 Comr	(E + D + LI + T) is d nse Status C P 91 KDPOF nent Status A	L 11	state RX_INIT # 193 EZ	Text of tran line. SuggestedRem Move transi Response ACCEPT. C/ 166 So Torres, Luisma Comment Type "link quality SuggestedRem	sition "R_TYF edy ition text clos C 166.3 ER " is not the na edy	PE(rx_block) = C" from state er to line. <i>Response Status</i> C <i>P</i> 92 KDPOF <i>Comment Status</i> A	 	rated from the transition # 41 EZ
Transition R_TYPE SuggestedRemedy Connect it Response ACCEPT. Cl 166 SC 166.2 Pérez-Aranda, Rubén Comment Type ER Transition R_TYPE position). SuggestedRemedy	E(rx_block) = (Respo 2.3.8 Comr E(rx_block) = ((E + D + LI + T) is d nse Status C P 91 KDPOF nent Status A	L 11	state RX_INIT # 193 EZ	Text of tran line. SuggestedRem Move transi Response ACCEPT. C/ 166 So Torres, Luisma Comment Type "link quality SuggestedRem	sition "R_TYF edy ition text clos C 166.3 ER " is not the na edy	PE(rx_block) = C" from state er to line. <i>Response Status</i> C <i>P</i> 92 KDPOF <i>Comment Status</i> A ame of the state machine de	 	rated from the transition # 41 EZ

C/ 166 SC 166.3

C/ 166	SC 166.3	P 92	L 48	# 40	C/ 166	SC 166.4.1	P 104	L 6	# 20	
Torres, Luis	sma	KDPOF			Hayashi,T	akehiro	HAT Labs			
Comment T	ype ER	Comment Status A		Hierarchy level	Comment	Type E	Comment Status A			ΕZ
166.3.4	also includes Pl	HD monitor			"in the	e sense" may be i	ncorrect.			
SuggestedF	Remedy				Suggested	dRemedy				
Replace monitor		nd link monitoring" by "PHY	control, link mon	itoring, and PHD	Ū	to "in the sense				
Response		Response Status C			Response		Response Status C			
ACCEP	ΥТ.				ACCE	PT.				
		500	1.40	# 407	C/ 166	SC 166.4.2	P 104	L 23	# 196	
C/ 166	SC 166.3.4.3	P 98	L 18	# 195	Pérez-Ara	inda, Rubén	KDPOF			
Pérez-Aran	,	KDPOF			Comment	Type ER	Comment Status A			ΕZ
Comment T	51	Comment Status A ed instead of state machine.		EZ			S physical header transmit bit b-clause where physical head			priate
SuggestedF	Remedy				Suggested	dRemedy				
Change	e "machine" with	"diagram"			Chang	ge "(see 166.2.2.6	6)." with "(see 166.2.2.1)."			
Response		Response Status C			Response		Response Status C			
ACCEP	РТ.				ACCE	PT.				
C/ 166	SC 166.3.5.2	P 100	L 53	# 256	C/ 166	SC 166.4.2.4	P 105	L 41	# 230	
Ran, Adee		Cisco			Martino, K	(jersti	Inneos			
Comment T	уре Т	Comment Status A		EZ	Comment	Туре Е	Comment Status A			ΕZ
		on in equation> holds, the v	ariable loc_rcvr_	status is assigned the	Figure	e 166-31 is showr	n after figure 166-32. Note the	figures are actu	ally on page 106.	
value O		fied; and what happens if it o	daga nat?		Suggested	dRemedy				
0	•	neu, anu what happens in it t	JUES HUL?			•	ectly below figure 166-30			
SuggestedF	,	les norm status is sectored.		en en el time in annuations	Response	-	Response Status C			
		loc_rcvr_status is assigned d the value NOT_OK".	the value OK II 4	<condition equation="" in="">.</condition>	•	PT IN PRINCIPL	•			
Response	5	Response Status C			The e	ditor will do their	best to change the order of th	e Figures. See ‡	#21	
ACCEP	ΥТ.									

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

C/ 166 SC 166.4.2.4

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C/ 166	SC 166.4.3	P 106	L37	# 221	C/ 166 SC 166.5.1	P 108	L 9	# 231
Pérez-Aran	da, Rubén	KDPOF			Martino, Kjersti	Inneos		
Comment T Figures		Comment Status A 6-31 are in reverse order.		EZ	<i>Comment Type</i> E Change wording for c	Comment Status A larity of the following: "regardle	ess the link statu	s,"
SuggestedF Check a		gures to get in the text Figure	166-31 before	Figure 166-32.	SuggestedRemedy "regardless of the link	status,"		
Response ACCEP See #2 ²		Response Status C E. The editor will do their best	to change the	order of the Figures.	Response ACCEPT.	Response Status C		
C/ 166	SC 166.5.1	P 108	L 4	# 22	C/ 166 SC 166.5.1	P 108	L 15	# 132
Hayashi,Tal Comment T	ype E	HAT Labs <i>Comment Status</i> R en…" should be a requirement		Normative wording	Pérez-Aranda, Rubén <i>Comment Type</i> ER Redundant	KDPOF Comment Status A		E
SuggestedF use "sha	Remedy					nk partner receiver is in BER to er is in BER test mode,"	est mode operati	on mode," with "When
Response		Response Status C			Response	Response Status C		
	ntence is an intr	oductory description of a setu			ACCEPT.			
This ser Shall sta	ntence is an intr atements regard	ding this BER test mode can b	e found in the f	ollowing paragraphs.	C/ 166 SC 166.5.1	P 108	L 21	# 133
This ser Shall sta	ntence is an intr atements regard SC 166.5.1	ding this BER test mode can b P108			Cl 166 SC 166.5.1 Pérez-Aranda, Rubén	KDPOF	L 21	
This ser Shall sta C/ 166 Hayashi,Tal	htence is an intr atements regard SC 166.5.1 kehiro	ding this BER test mode can b P 108 HAT Labs	e found in the f	ollowing paragraphs. # 23	C/ 166 SC 166.5.1 Pérez-Aranda, Rubén Comment Type ER		L 21	# [<u>133</u> E
This ser Shall sta C/ 166 Hayashi,Tal Comment T	ntence is an intr atements regard SC 166.5.1 kehiro ype E	ding this BER test mode can b P 108 HAT Labs <i>Comment Status</i> R	e found in the f	ollowing paragraphs.	Cl 166 SC 166.5.1 Pérez-Aranda, Rubén Comment Type ER Redundant	KDPOF	L 21	
This ser Shall sta C/ 166 Hayashi,Tal Comment T if "can" SuggestedF	ntence is an intr atements regard SC 166.5.1 kehiro ype E is the permissio	ding this BER test mode can b P 108 HAT Labs	e found in the f	ollowing paragraphs. # 23	Cl 166 SC 166.5.1 Pérez-Aranda, Rubén Comment Type ER Redundant SuggestedRemedy Replace "The transmi	KDPOF	partner receiver	Ethe BER test mode
This ser Shall sta Cl 166 Hayashi,Tal Comment T if "can" SuggestedF	Attence is an intr atements regard SC 166.5.1 kehiro ype E is the permissio Remedy	ding this BER test mode can b P 108 HAT Labs <i>Comment Status</i> R	e found in the f	ollowing paragraphs. # 23	Cl 166 SC 166.5.1 Pérez-Aranda, Rubén Comment Type ER Redundant SuggestedRemedy Replace "The transmi operation mode" with	KDPOF Comment Status A	partner receiver	Ethe BER test mode
This ser Shall sta 2/ 166 Hayashi,Tal Comment T if "can" SuggestedF change Response REJEC	SC 166.5.1 SC 166.5.1 kehiro ype E is the permissio <i>Remedy</i> to "may".	ding this BER test mode can b P108 HAT Labs Comment Status R on, "may"should be used.	e found in the f	ollowing paragraphs. # 23	Cl 166 SC 166.5.1 Pérez-Aranda, Rubén Comment Type ER Redundant SuggestedRemedy Replace "The transmi operation mode" with test mode"	KDPOF Comment Status A Itter shall announce to the link "The transmitter shall announce	partner receiver	Ethe BER test mode
This ser Shall sta Cl 166 Hayashi,Tal Comment T if "can" SuggestedR change Response REJEC In this s	SC 166.5.1 SC 166.5.1 kehiro ype E is the permissio Remedy to "may". T. entence, a capa	ding this BER test mode can b P108 HAT Labs Comment Status R on, "may"should be used. Response Status C	e found in the f	ollowing paragraphs. # 23	Cl 166 SC 166.5.1 Pérez-Aranda, Rubén Comment Type ER Redundant SuggestedRemedy Replace "The transmi operation mode" with test mode" Response	KDPOF Comment Status A Itter shall announce to the link "The transmitter shall announce	partner receiver	Ethe BER test mode

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

C/ 166 SC 166.5.1 Page 36 of 54 10/06/2022 18:47:05

C/ 166 SC 166.5.4	P 109	L 5	# 134	C/ 1	6 S(C 166.6.1	P111	L	# 24	
Pérez-Aranda, Rubén	KDPOF			Hay	ishi,Takehi	iro	HAT Labs			
Comment Type E Confuse sentence.	Comment Status A				<i>ment Type</i> o contents		Comment Status A			EZ
	C is a 5462-bit sequence wh uence C is a 5462-bit sequel			ce a		•	delete the sub-clause			
Response ACCEPT.	Response Status C	iee generated e		,	onse ACCEPT IN		Response Status C E. Delete the subclause an	nd renumber subse	equent subclauses.	
C/ 166 SC 166.5.4	P109	L 32	# 135	C/ 1	56 S0 z-Aranda, ∣	C 166.6.2.1. Rubén	2 <i>P</i> 111 KDPOF	L 45	# 84	
Pérez-Aranda, Rubén Comment Type TR	KDPOF Comment Status A			FZ	<i>ment Type</i> lere the tra		Comment Status A period term is used, instead	ad of transmit sym	bol period of 166.3.1	ΕZ
Incorrect shift register. SuggestedRemedy Replace "r[21]" with "r[2	24]"				estedRem Inify using onse	<i>edy</i> transmit sym	nbol period. Response Status C			
Response ACCEPT.	Response Status C				CCEPT.		Response Status C			
	P110	L 12	# 136	C/ 1	6 SC	C 166.6.3.2	P 113	L 41	# 85	
Pérez-Aranda. Rubén	KDPOF	- 12			z-Aranda, I		KDPOF			
Comment Type T	Comment Status A			E7	ment Type		Comment Status A	nittor ontionl oboro	atariatian	Ež
Generation of bit seque	ence A is not correct.				Ũ	•	cal specifications to transm	niller oplical chara	ictenstics.	
SuggestedRemedy					<i>estedRem</i> Per comme					
	A is formed by concatenatin ned by binary inverting the co			ith 2,	onse		Response Status C			
Response	Response Status C			C/ 1	36 SI	C 166.6.3.3	P113	L 52	# 86	
ACCEPT.				Pére	z-Aranda, I	Rubén	KDPOF			
					<i>ment Type</i> Change rec		Comment Status A specifications to receiver	optical characterist	tics.	EZ
					<i>estedRem</i> Per comme					
					onse CCEPT.		Response Status C			

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn C/ 166 SORT ORDER: Clause, Subclause, page, line

SC 166.6.3.3

C/ 166 SC 16	6.6.3.4	P114	L 7	# 87	C/ 166	SC 166.6.4	.2 P115	L 31	# 278	
Pérez-Aranda, Rube	én	KDPOF			Simms, W	/illiam	NVIDIA			
Comment Type	TR Col	mment Status A		EZ	Comment	Туре Е	Comment Status A			ΕZ
"The PMD recei	ve function" sl	nould be "The PMD sig	nal detect funct	ion"	Table	entry has type	"distorsion'			
SuggestedRemedy					Suggested	Remedy				
Change per con	nment				correc	t to distortion				
Response	Res	ponse Status C			Response		Response Status C			
ACCEPT.					ACCE	PT.				
C/ 166 SC 16	6.6.4.1	P 114	L 26	# 88	C/ 166	SC 166.6.4	.2 <i>P</i> 115	L 48	# 279	
Pérez-Aranda, Rube	én	KDPOF			Simms, W	/illiam	NVIDIA			
Comment Type	E Coi	mment Status A		EZ	Comment	Туре Е	Comment Status A			ΕZ
		5GBASE-AU, 5GBAS	E-AU, 10GBASE	E-AU, 25GBASE-AU,	footno	te b of table 16	6-9 has typo "launch power bl	ow this value"		
and 50GBASE-	AU PMDs				Suggested	Remedv				
SuggestedRemedy					00	t 'blow' to below	V			
Simpler: the ope	erating range f	or the BASE-AU PMD	S		Response		Response Status C			
Response	Res	ponse Status C			ACCE					
ACCEPT.										
C/ 166 SC 16	6.6.4.2	P115	L 6	# 90	C/ 166	SC 166.6.4	.2 <i>P</i> 115 HAT Labs	L 48	# 25	
Pérez-Aranda, Rube	én	KDPOF			Hayashi,T Comment		Comment Status A			EZ
Comment Type	TR Col	mment Status A		TXRX Characteristics	typo "t	51				EZ
In perezaranda	_3cz_02_2205	_TXRX_Characteristic	s.pdf, changes	of TX characteristics are						
		ves: Be consistent with			Suggested	-				
		DFOM_Simpler.pdf, E		A to be more consistent	"below	-				
with more realis	tic TX implem	entation (i.e. reduced of		mperature) and relax RX	Response		Response Status C			
implementation	(i.e. min trans	-impedance)			ACCE	PT.				
SuggestedRemedy										
Change values	of Table 166–	9, according to								

perezaranda_3cz_02_2205_TXRX_Characteristics.pdf

Response Status C

Response

ACCEPT.

C/ 166 SC 166.6.4.2

C/ 166 SC	166.6.4.2	P 115	L 48	# 26	C/ 166	SC	66.6.4.2	P 115	L 49	# 232
Hayashi,Takehiro		HAT Labs			Martino,	Kjersti		Inneos		
Comment Type	E Comr	ment Status A			EZ Commer	t Type	Е	Comment Status A		
				ons in Table-9", note	b In Ta	ble 166	6-9 note b, tl	nere is a typo in "launch pow	/er blow this va	lue cannot"
-		ot ensure the compli	iance". This is ve	ery confusing.	Suggest	edReme	edy			
SuggestedRemed	•				"laur	ich pow	er below thi	s value cannot"		
clarify the con	pliance for what, o	or delete this senten	ice.		Respons	е		Response Status C		
Response	,	nse Status C				EPT.				
ACCEPT IN F		nly written in the tree	nomittor oboroct	ariatian tabla. Damay				-		
footnote.	nas been mistake	my written in the tran		eristics table. Remove			66.6.4.2	P 115	L 49	# 89
0/ 400 00		D.4.4	1.10	# 07	Pérez-A	,		KDPOF		
	166.6.4.2	P115	L 49	# 27	Commer	51	ER	Comment Status A		
Hayashi, Takehiro	_	HAT Labs			door			plow this value cannot be co ance" to "launch power belo		
Comment Type	-	ment Status R	50 N. I.	External standa	how			this does not ensure compl		annot be compliant,
	ate specified in 61.	300-1-4 is only for 8	50 nm. Need to	confirm if this templat	e Suggest	edReme	edy			
SuggestedRemea					Per	commer	nt			
00	•	x column, until the co	omfirmation by II	EC is done.	Respons	е		Response Status C		
Response		nse Status C	j.		ACC	EPT.				
REJECT.	Respo									
	nalysis and TX cha	aracteristics are base	ed on the assum	ption that this EF	C/ 166		66.6.4.3	P 116	L 3	# 91
specification i		0			Pérez-A	anda, F	Rubén	KDPOF		
	is also used in 950 OM3 fiber FMB ex		m in previous co	ntributions assume th	Commer	•••	TR	Comment Status A		TXRX Characterist
same EF spe	cification (see				In pe			_2205_TXRX_Characteristic bjectives: Be consistent with		
		blic/27_oct_2020/pir		1_271020.pdf and I_Extrapolation_of_IE				205_TDFOM_Simpler.pdf, E		
	OM3 to 980.pdf)		0.002		arge	r impler	mentation p	enalties, and reduce max A0	OP and max OI	MA to be more consister
	,							nplementation (i.e. reduced on trans-impedance)	current in low te	emperature) and relax R
		VCSELs is similar to ny case, EF specifica			Suggest		`			
		the design of optics					•	166–10, according to		
	-				Ulla	IUC VOIU				

TXRX Characteristics

ΕZ

ΕZ

Change values of Table 166-10, according to perezaranda 3cz 02 2205 TXRX Characteristics.pdf

Response Status C

Response

ACCEPT.

C/ 166 SC 166.6.4.3

lovoobi Tokobiro	3 <i>P</i> 116	L 22	# 28	C/ 166	SC 166.6.4.4	P1	17	L 14	# 30
layashi,Takehiro	HAT Labs			Hayashi,Ta	akehiro	HAT	Labs		
omment Type E	Comment Status A		EZ	Comment	Туре Т	Comment Status	R		External standards
typo "thershold"				Bandw	idth at 980nm ha	sn't been specified i	n IEC.		
uggestedRemedy				Suggested	-				
"threshold"				add "te	entative" until the	bandwidth at 980 nn	n is specified	d in IEC.	
esponse	Response Status C			Response	-	Response Status	С		
ACCEPT.				REJEC Link bu		d TX characteristics	are based o	n the assur	nption that this BW
166 SC 166.6.4.3	3 <i>P</i> 116	L 22	# 280	specifi	cation is met.				•
mms, William	NVIDIA				ample, OM3 fiber 3W specification		at 980 nm in	previous co	ontributions assume the
omment Type E	Comment Status A		EZ	https://	www.ieee802.org)/3/cz/public/27_oct			
table 166-10 entry has (max)"	typo" Damage thershold				www.ieee802.org ce_for_OM3_to_)21/abbott_3	cz_01_052	1_Extrapolation_of_IEC_
uggestedRemedy						980 nm VCSELs is			
correct "thershold" to "	threshold"					ilar. In any case, EF nsidering the design			
esponse	Response Status C			Inplen	ientation also coi	isidening the design	of oplics bei		
ACCEPT.				Send a	liaison with IEC	to include 980nm.			
166 SC 166.6.4.3	B P116	L 48	# 29	C/ 166	SC 166.6.4.4	P1		L 20	# 31
ayashi,Takehiro	HAT Labs			Hayashi,Ta	akehiro	HAT	Labs		
omment Type E	Comment Status R		TXRX Characteristics	Comment		Comment Status			EZ
	escribes "receiver shall meet the state the second test in the second tensure the compliant test is the second			Can't u Suggested		eaning of this row. (r	ninimum cha	annel length	1?)
says "a value above tł				Suggesteu	(Cilicuy				
2					clarify.				
uggestedRemedy	for what, or delete this sentend	æ.			•	Response Status	с		
uggestedRemedy clarify the compliance esponse		æ.		please <i>Response</i> ACCEI	clarify. PT IN PRINCIPLE	E.	С		
uggestedRemedy clarify the compliance esponse REJECT. The shall statement is	for what, or delete this sentend Response Status C referring to the complete table	, including the		please <i>Response</i> ACCEI	clarify.	E.		L 20	# 42
uggestedRemedy clarify the compliance esponse REJECT. The shall statement is	for what, or delete this sentend Response Status C	, including the		please <i>Response</i> ACCEI Wrong	clarify. PT IN PRINCIPLE units. Substitute SC 166.6.4.4	<u>∃</u> . "m" with "dB".	17	L 20	# [42
iggestedRemedy clarify the compliance esponse REJECT. The shall statement is	for what, or delete this sentend Response Status C referring to the complete table	, including the		please Response ACCEI Wrong Cl 166	clarify. PT IN PRINCIPLE units. Substitute SC 166.6.4.4 sma	E. "m" with "dB". ₽1	17 OF	L 20	# [<u>42</u> EZ
uggestedRemedy clarify the compliance esponse REJECT. The shall statement is	for what, or delete this sentend Response Status C referring to the complete table	, including the		please Response ACCEF Wrong C/ 166 Torres, Lui Comment	clarify. PT IN PRINCIPLE units. Substitute SC 166.6.4.4 sma Type ER	E. "m" with "dB". P1 KDP0	17 DF A		
uggestedRemedy clarify the compliance esponse REJECT. The shall statement is	for what, or delete this sentend Response Status C referring to the complete table	, including the		please Response ACCEF Wrong C/ 166 Torres, Lui Comment	clarify. PT IN PRINCIPLE units. Substitute SC 166.6.4.4 sma <i>Type</i> ER 166-11; wrong un	E. "m" with "dB". P 1 KDP0 Comment Status	17 DF A		
uggestedRemedy clarify the compliance esponse REJECT. The shall statement is	for what, or delete this sentend Response Status C referring to the complete table	, including the		please Response ACCEI Wrong Cl 166 Torres, Lui Comment T Table Suggested	clarify. PT IN PRINCIPLE units. Substitute SC 166.6.4.4 sma <i>Type</i> ER 166-11; wrong un	E. "m" with "dB". P 1 KDP0 Comment Status	17 DF A		
uggestedRemedy clarify the compliance esponse REJECT. The shall statement is	for what, or delete this sentend Response Status C referring to the complete table	, including the		please Response ACCEI Wrong Cl 166 Torres, Lui Comment T Table Suggested	clarify. PT IN PRINCIPLE units. Substitute SC 166.6.4.4 sma Type ER 166-11; wrong un Remedy te "m" by "dB"	E. "m" with "dB". P 1 KDP0 Comment Status	17 DF A nsertion loss		

X Characteristics Commer IEC 1: To pow mod mod Suggest Dou mod be ro TIA/ Respons EZ ACC	CCEPT IN PRINCIPLE.
IEC 1: Tr pow mod mod Suggest Dou mod be r TIA/ Respons EZ ACC	C 61280-1-1 title is "Fibre optic communication subsystem basic test procedures - Part 1- Test procedures for general communication subsystems - Transmitter output optical over measurement for single-mode optical fibre cable" and 802.3cz is targeted to multi- iode optical fiber cable, specifically OM3 50/125 um. Same reference is used in other multi- iode clauses along 802.3. estedRemedy ouble check the IEC standard 61280-1-1 is valid for optical power measurement in multi- iode fibers, or replace reference with the one appropriate. Other clauses as C/138 should e revised accordingly in case of replacement. Other clauses as C/52 include reference to IA/EIA-455-95. onse Response Status C CCEPT IN PRINCIPLE. C
Suggest Dou mod be r TIA/ Respons EZ ACC	estedRemedy ouble check the IEC standard 61280-1-1 is valid for optical power measurement in multi- iode fibers, or replace reference with the one appropriate. Other clauses as C/138 should e revised accordingly in case of replacement. Other clauses as C/52 include reference to IA/EIA-455-95. Conse Response Status C CCEPT IN PRINCIPLE.
# 93 Dou mod be r TIA/ Respons EZ ACC	ouble check the IEC standard 61280-1-1 is valid for optical power measurement in multi- lode fibers, or replace reference with the one appropriate. Other clauses as C/138 should e revised accordingly in case of replacement. Other clauses as C/52 include reference to IA/EIA-455-95. onse Response Status C CCEPT IN PRINCIPLE. C
# <u>93</u> TIA/ Respons EZ ACC	IA/EIA-455-95. onse Response Status C CCEPT IN PRINCIPLE.
EZ ACC	CCEPT IN PRINCIPLE.
Refe	
	eference is made to IEC 61280-1-1 in other IEEE 802.3 clauses specifiying a test setup see 53.9.2) that uses a multimode fiber.
mult	eplace (p.118 I.46) "per IEC 61280-1-1." with "ANSI/TIA/EIA-455-95-2019 with a ultimode fiber patch cord of 1 to 3 meters length consistent with the PHY type under test see 166.9.1)."
	eplace (p.113 l.7) ", between 1 m and 3 m in length" with "of 1 to 3 meters length onsistent with the PHY type under test (see 166.9.1)."
	eplace (p.120 l.9) "Patch cord is 1 to 3 meters long" with "The patch cord is a multimode per of 1 to 3 meters length consistent with the PHY type under test (see 166.9.1)."
	eplace (p.122 I.32) "Patch cord is 1 to 3 meters long" with "The patch cord is a multimode oer of 1 to 3 meters length consistent with the PHY type under test (see 166.9.1)."
	dd (p.129 I.52) "The E/O converter is connected to the optical attenuator by means of a 40 leters long multimode patch cord, consistent with the PHY type under test (see 166.9.1)."
C/ 166	6 SC 166.7.3 P118 L 51 # 32
Hayashi	shi,Takehiro HAT Labs
	nent Type E Comment Status A Normative wording nay should be used for permission.
	estedRemedy can" -> "may"
•••	onse Response Status C
	Cl 16 Haya Comn "r Sugge

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 166.7.3 10/06/2022 18:47:05 SORT ORDER: Clause, Subclause, page, line

C/ 166	SC 166.7.4.1	P 120	L 30	# 96		C/ 166	SC 166.7.4.2	P 121	L1	# 99
Pérez-Arar	ida, Rubén	KDPOF				Pérez-Ara	nda, Rubén	KDPOF		
Comment 7	ype TR	Comment Status A			ΕZ	Comment	Type ER	Comment Status A		EZ
The co	mbination of the	O/E converter and the oscill	oscope has a 3 d	lB bandwidth				t setup —> The setup wa	as already specified	l in previous subclause.
Suggested	Remedy					This is	spec of measure	ment.		
Sign (-		eeded. Change to be "The c 3 bandwidth"	ombination of the	e O/E converter ar	nd the	S <i>uggested</i> Chang	<i>Remedy</i> le to be "OMAoute	er measurement"		
Response ACCEF	РТ.	Response Status C				Response ACCE	PT.	Response Status C		
C/ 166	SC 166.7.4.1	P 120	L 31	# 97		C/ 166	SC 166.7.4.2	P 121	L 9	# 100
Pérez-Arar	ida, Rubén	KDPOF				Pérez-Ara	nda, Rubén	KDPOF		
Comment 7 "fourth-	<i>ype</i> TR order Bessel-The	Comment Status A			EZ	Comment Wrong	<i>Type</i> ER eq reference	Comment Status A		EZ
Suggested Change		der Bessel-Thomson low-pa	ss filter"			Suggested Chang	•	–8) specifies the OMAou	iter of the PMD und	ler test."
Response ACCEF	ΥТ.	Response Status C				Response ACCE	PT.	Response Status C		
C/ 166	SC 166.7.4.1	P 120	L 33	# 98		C/ 166	SC 166.7.4.2	P 121	L 9	# 33
Pérez-Arar	ida, Rubén	KDPOF				Hayashi,T	akehiro	HAT Labs		
Comment T BW_N	<i>ype</i> ER is not defined.	Comment Status A			EZ	Comment Typo t	<i>Type</i> E he number of equ	Comment Status A ation (166-12)		EZ
	W_N is the equiv	alent noise bandwidth of fou	urth-order Bessel	-Thomson filter		Suggested 166-8	Remedy			
respon Response ACCEF		Response Status C				Response ACCE	PT.	Response Status C		
ACCE	1.					C/ 166	SC 166.7.4.2	P 121	L 12	# 101
						Pérez-Ara	nda, Rubén	KDPOF		
						<i>Comment</i> Not va	<i>Type</i> ER lid unitts	Comment Status A		EZ
						Suggested Replac	Remedy ce "(Watts)" with ('	W)"		
						Response ACCE		Response Status C		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/166Page 42 of 54COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC166.7.4.210/06/2022 18:47:05SORT ORDER: Clause, Subclause, page, line

C/ 166 SC 166.7.5	P 121	L 23	# 34		C/ 166 SC 166.	7.6 <i>P</i> 121	L 37, 40	# 152
Hayashi,Takehiro	HAT Labs				Pérez-Aranda, Rubén	KDPOF		
Comment Type E Typo the number of eq	Comment Status A uation (166-19)			ΕZ	Comment Type ER center 3% interval	Comment Status A		
SuggestedRemedy 166-9					SuggestedRemedy Change to be "cer	iter 3%"		
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C		
C/ 166 SC 166.7.5	P 121	L 22	# 149		C/ 166 SC 166.	7.7 <i>P</i> 121	L 53	# 153
Pérez-Aranda, Rubén	KDPOF				Pérez-Aranda, Rubén	KDPOF		
Comment Type ER Wrong reference.	Comment Status A			ΕZ	Comment Type ER "test pattern speci	Comment Status A fied for extinction ratio". We ar	e measuring jitter.	
SuggestedRemedy Change to be "Using P	min and Pmax obtained in 16	6.7.4.2"			SuggestedRemedy Change to be "tes	t pattern specified"		
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C		
C/ 166 SC 166.7.5	P 121	L 29	# 150		C/ 166 SC 166.	7.7 P122	L 8	# 155
Pérez-Aranda, Rubén	KDPOF				Pérez-Aranda, Rubén	KDPOF		
Comment Type ER Wrong references.	Comment Status A			EZ	Comment Type ER Wrong reference.	Comment Status A		
SuggestedRemedy					SuggestedRemedy			
Change with: "Alternati (166–21)."	vely, the ER can be measure	d as defined in 1	66.7.84, Equation	n	Change to be "Pm	ax and Pmin are measured as	s specified in 166.7.4.	2."
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C		
C/ 166 SC 166.7.6	P121	L 34	# 151		C/ 166 SC 166.		L 2, 6	# 154
Pérez-Aranda, Rubén	KDPOF	- 04	" []]		Pérez-Aranda, Rubén	KDPOF		
Comment Type ER	Comment Status A for extinction ratio". We are m	easuring RIN		EZ	Comment Type TR Incorrect equation			
					SuggestedRemedy			
SuggestedRemedy Change to be "test patt	tern specified"				Change to be "(Pn	nax+Pmin)/2"		
Response					Response	Response Status C		
	Response Status C				ACCEPT.			

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/
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 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC
 166
 10/06/2022 18:47:06

 SORT ORDER: Clause, Subclause, page, line
 SC
 166
 10/06/2022 18:47:06

C/ 166 SC 166.7.8	P 122	L 18	# 156		C/ 166	SC 166.7.8.1	P 123	L 6	# 159
Pérez-Aranda, Rubén	KDPOF				Pérez-Ara	inda, Rubén	KDPOF		
Comment Type ER	Comment Status A			ΕZ	Comment	Type ER	Comment Status A		EZ
"using the method sp	pecified 166.7.8.2"				"The t for G=		fied in Table 166–13) is tran	smitted repetitive	ely …" Lack of reference
SuggestedRemedy					Suggested				
8 8	e method specified in 166.7.8.2	3			00	,	fied in Table 166–13 and Ta	ble 166-14) is tra	insmitted repetitively"
Response	Response Status C				Response		Response Status C	,	
ACCEPT.					ACCE				
C/ 166 SC 166.7.8	P 122	L 21	# 157		C/ 166	SC 166.7.8.2	P 123	L12	# 160
Pérez-Aranda, Rubén	KDPOF							L 12	# 160
Comment Type ER	Comment Status A			ΕZ	Comment	inda, Rubén	KDPOF Comment Status A		TDFOM
Wrong reference.							onsistent with perezaranda	3cz 01 2205 T	
SuggestedRemedy							onsistent with perezaranda	_002_01_2200_1	
Change to "(specified	d in 166.7.8.2)"				Suggested	omment			
Response	Response Status C								
ACCEPT.					Response	PT IN PRINCIPL	Response Status C		
C/ 166 SC 166.7.8	B.1 P123	L1	# 158				∟. tation, perezaranda_3cz_01	1_2205_TDFOM_	Simpler.pdf was
Pérez-Aranda. Rubén	KDPOF						o in the title of slide 7. Update 2205 TDFOM Simpler.pdf.		
Comment Type TR	Comment Status A			ΕZ		editorial licence.	_2205_1DFOM_Simpler.pdf		
The combination of t	he O/E converter and the oscill	oscope has a 3	dB bandwidth		C/ 166	SC 166.7.8.2	P 123	L 14	# 161
SuggestedRemedy					Pérez-Ara	inda, Rubén	KDPOF		
	s needed and low-pass indicati				Comment		Comment Status A		TDFOM
	d the oscilloscope has a -3 dB on low-pass response "	bandwidth of 16	5.4 GHz with a fourt	:h-	Remo	ve ", denoted as	Ov," to be consistent with 205 TDFOM Simpler.pdf		
Response	Response Status C				Suggested				
ACCEPT.						omment			
					Response		Response Status C		
					,	PT IN PRINCIPL	1		
					Note t	hat during preser	tation, perezaranda_3cz_01		Simpler.pdf was
							o in the title of slide 7. Update 2205 TDFOM Simpler.pdf.		
					201020				

C/ 166 SC 166.7.8.2

7 166	SC 166.7.8.2	P 123	L 40	# 162	C/ 166	SC 166.7.8.2	P 12	:3 L4	49	# 164
Pérez-Arand	da, Rubén	KDPOF			Pérez-Ara	nda, Rubén	KDPC	F		
comment Ty	ype TR	Comment Status A		TDFON	Comment	Type TR	Comment Status	Α		TDFO
		o be consistent with 205_TDFOM_Simpler.pdf					ording to new Figure 1 2205_TDFOM_Simple			
SuggestedRe	Remedy				Suggested	Remedy				
Per com	nment				Per co	omment				
Response		Response Status C			Response		Response Status	с		
Note tha modified perezara	d by fixing a typo	ation, perezaranda_3cz_01_ in the title of slide 7. Update 2205_TDFOM_Simpler.pdf.		Simpler.pdf was	Note t modifi pereza	ed by fixing a typ	.E. ntation, perezaranda_ o in the title of slide 7 _2205_TDFOM_Simp	Updated one is		mpler.pdf was
/ 166	SC 166.7.8.2	P 123	L 46	# 163	C/ 166	SC 166.7.8.2	P12	3 L4	49	# 281
érez-Arand	da. Rubén	KDPOF			Simms, W	/illiam	NVIDI	A		
omment Ty		Comment Status A		TDFON	Comment	Туре Е	Comment Status	R		Text improveme
Remove filter with GHz." to	e "Then, the nois h response H1(f) b be consistent w Remedy	e sequence n is generated b) given by Equation (166–12 vith perezaranda_3cz_01_22) with f1 equal to	sequence by a noise (S × 2.65625 + 0.5)	Is this yn" <i>Suggested</i>	correct wording" Remedy	The noise sequence	,	generating	,
Remove filter with GHz." to uggestedRo Per com esponse ACCEPT	Then, the nois h response H1(f) b be consistent w <i>emedy</i> nment T IN PRINCIPLE	e sequence n is generated t) given by Equation (166–12 vith perezaranda_3cz_01_22 <i>Response Status</i> C) with f1 equal to 205_TDFOM_Sin	n sequence by a noise (S × 2.65625 + 0.5) npler.pdf	Is this yn" Suggestec chang Response REJE0	correct wording" IRemedy e "noisy sequer CT.	The noise sequence	ience yn" C		,
Remove filter with GHz." to oggestedRe Per com esponse ACCEPT Note tha	Then, the nois h response H1(f) b be consistent w <i>Remedy</i> nment T IN PRINCIPLE at during present	e sequence n is generated t) given by Equation (166–12 vith perezaranda_3cz_01_22 <i>Response Status</i> C E. tation, perezaranda_3cz_01) with f1 equal to 205_TDFOM_Sin _2205_TDFOM_3	n sequence by a noise (S × 2.65625 + 0.5) npler.pdf	Is this yn" Suggestec chang Response REJE0	correct wording" IRemedy e "noisy sequer CT.	The noise sequence nce yn" to " noise sequ <i>Response Status</i> signal sequence with g	ence yn" C aussian noise a	added.	the noisy sequence
Remove filter with GHz." to uggestedRe Per com esponse ACCEPI Note tha modified	Then, the nois h response H1(f) b be consistent w <i>Remedy</i> ment T IN PRINCIPLE at during present d by fixing a typo	e sequence n is generated t) given by Equation (166–12 vith perezaranda_3cz_01_22 <i>Response Status</i> C) with f1 equal to 205_TDFOM_Sin _2205_TDFOM_3	n sequence by a noise (S × 2.65625 + 0.5) npler.pdf	Is this yn" Suggestec chang Response REJEc The se C/ 166	Correct wording" IRemedy e " noisy sequer CT. equence yn is a s SC 166.7.8.2	The noise sequence nce yn" to " noise sequ <i>Response Status</i> signal sequence with g	lence yn" C aussian noise a		,
Remove filter with GHz." to uggestedRe Per com esponse ACCEPT Note tha modified	Then, the nois h response H1(f) b be consistent w <i>Remedy</i> ment T IN PRINCIPLE at during present d by fixing a typo	e sequence n is generated b) given by Equation (166–12 vith perezaranda_3cz_01_22 <i>Response Status</i> C ation, perezaranda_3cz_01 in the title of slide 7. Update) with f1 equal to 205_TDFOM_Sin _2205_TDFOM_3	n sequence by a noise (S × 2.65625 + 0.5) npler.pdf	Is this yn" Suggested chang Response REJEG The se C/ 166 Pérez-Ara Comment Remo	correct wording" IRemedy e " noisy sequer CT. equence yn is a s SC 166.7.8.2 Inda, Rubén Type TR ve lines 13 throu	The noise sequence nce yn" to " noise sequ <i>Response Status</i> signal sequence with g P12 KDPC <i>Comment Status</i> gh 17 to be consistent	lence yn" C aussian noise a 4 L1 F A with	added.	the noisy sequence
Remove filter with GHz." to uggestedRe Per com esponse ACCEPT Note tha modified	Then, the nois h response H1(f) b be consistent w <i>Remedy</i> ment T IN PRINCIPLE at during present d by fixing a typo	e sequence n is generated b) given by Equation (166–12 vith perezaranda_3cz_01_22 <i>Response Status</i> C ation, perezaranda_3cz_01 in the title of slide 7. Update) with f1 equal to 205_TDFOM_Sin _2205_TDFOM_3	n sequence by a noise (S × 2.65625 + 0.5) npler.pdf	Is this yn" Suggestec chang Response REJE The se CI 166 Pérez-Ara Comment Remo pereza	correct wording" <i>Remedy</i> e " noisy sequer CT. equence yn is a s SC 166.7.8.2 Inda, Rubén <i>Type</i> TR ve lines 13 throu aranda_3cz_01_	The noise sequence nce yn" to " noise sequ <i>Response Status</i> signal sequence with g P12 KDPC <i>Comment Status</i>	lence yn" C aussian noise a 4 L1 F A with	added.	the noisy sequence
Remove filter with GHz." to uggestedRe Per com esponse ACCEPT Note tha modified	Then, the nois h response H1(f) b be consistent w <i>Remedy</i> ment T IN PRINCIPLE at during present d by fixing a typo	e sequence n is generated b) given by Equation (166–12 vith perezaranda_3cz_01_22 <i>Response Status</i> C ation, perezaranda_3cz_01 in the title of slide 7. Update) with f1 equal to 205_TDFOM_Sin _2205_TDFOM_3	n sequence by a noise (S × 2.65625 + 0.5) npler.pdf	Is this yn" Suggested chang Response REJEU The se C/ 166 Pérez-Ara Comment Remo pereza Suggested	correct wording" IRemedy e " noisy sequer CT. equence yn is a s SC 166.7.8.2 Inda, Rubén Type TR ve lines 13 throu aranda_3cz_01_ IRemedy	The noise sequence nce yn" to " noise sequ <i>Response Status</i> signal sequence with g P12 KDPC <i>Comment Status</i> gh 17 to be consistent	lence yn" C aussian noise a 4 L1 F A with	added.	the noisy sequence
Remove filter with GHz." to oggestedRe Per com esponse ACCEPT Note tha modified	Then, the nois h response H1(f) b be consistent w <i>Remedy</i> ment T IN PRINCIPLE at during present d by fixing a typo	e sequence n is generated b) given by Equation (166–12 vith perezaranda_3cz_01_22 <i>Response Status</i> C ation, perezaranda_3cz_01 in the title of slide 7. Update) with f1 equal to 205_TDFOM_Sin _2205_TDFOM_3	n sequence by a noise (S × 2.65625 + 0.5) npler.pdf	Is this yn" Suggested chang Response REJEU The se C/ 166 Pérez-Ara Comment Remo pereza Suggested	correct wording" <i>Remedy</i> e " noisy sequer CT. equence yn is a s <i>SC</i> 166.7.8.2 nda, Rubén <i>Type</i> TR ve lines 13 throu aranda_3cz_01_ <i>Remedy</i> pmment	The noise sequence nce yn" to " noise sequ <i>Response Status</i> signal sequence with g P12 KDPC <i>Comment Status</i> gh 17 to be consistent	ence yn" C aussian noise a 4 L1 F A with r.pdf	added.	the noisy sequence

C/ 166 SC 166.7.8.2

C/ 166	SC 166.7.8.2.2	P 126	L 41	# 166	C/ 166	SC 166.7.8		•	# 168
Pérez-Arar	nda, Rubén	KDPOF			Pérez-Ara	anda, Rubén	KDPO	F	
Comment 1	Type TR Com	ment Status A		TDFOM	Comment	Type TR	Comment Status	Α	TDFOM
	gma_n is the standard de ing to perezaranda_3cz_			s not longer valid	Equat Suggester	· · · ·	no consistent with perez	aranda_3cz_01_220	5_TDFOM_Simpler.pdf
Suggestedl	Remedy) to make the Equation	consistant	
(166-X	e sentence with "and sig X) as the equation of slid calculates sigma_n as a	le 6 of perezaranda_	3cz_01_2205_T	DFOM_Simpler.pdf,	Response ACCE		Response Status PLE.	с	
	Respo PT IN PRINCIPLE. nat during presentation, p	onse Status C perezaranda 3cz 01	2205 TDFOM	Simpler.pdf was	modif	ied by fixing a ty	entation, perezaranda_3 /po in the title of slide 7. a_2205_TDFOM_Simpl	Updated one is	M_Simpler.pdf was
modifie	ed by fixing a typo in the t randa 3cz 01a 2205 T	title of slide 7. Updat			C/ 166	SC 166.7.8			# 169
· ·		_ · ·				anda, Rubén	KDPO		
C/ 166	SC 166.7.8.2.3	P 126	L 54	# 167	Comment	51	Comment Status		TDFOM
Pérez-Arar Comment 1	nda, Rubén <i>Type</i> TR Com	KDPOF ment Status A		TDFOM	perez	aranda_3cz_01	not longer valid for new _2205_TDFOM_Simple		
	rough eighth steps are n randa_3cz_01_2205_TD				Suggeste Repla	•	ones of perezaranda_3c	z_01_2205_TDFOM	_Simpler.pdf
Suggestedl	Remedy				Response	•	Response Status	С	
length sequen		· Remove first 6 and			Note modif	ied by fixing a ty	entation, perezaranda_3 vpo in the title of slide 7.	Updated one is	M_Simpler.pdf was
Response	,	onse Status C			perez	aranua_3cz_01	a_2205_TDFOM_Simpl	er.pui.	
	PT IN PRINCIPLE. at during presentation, p	erezaranda 3cz 01	2205 TDEOM	Simpler odf was	C/ 166	SC 166.7.8	.3 P12	7 L 45	# 35
modifie	ed by fixing a typo in the t	title of slide 7. Updat	_2205_1D1 OIM_ ed one is		Hayashi,1	akehiro	HAT L	abs	
pereza	randa_3cz_01a_2205_T	DFOM_Simpler.pdf.			<i>Comment</i> Typo	51	<i>Comment Status</i> quation (166-21)	Α	EZ
					Suggester 166-2	,			
					Response ACCE		Response Status	с	

C/ 166 SC 166.7.8.3

C/ 166	SC 166.7.8.3	P 127	L 45	# 170		C/ 166	SC 166.7.8.5	P 128	L 12	# 104
Pérez-Arai	nda, Rubén	KDPOF				Pérez-Arand	a, Rubén	KDPOF		
Comment Not va	<i>Type</i> TR id reference	Comment Status A			EZ	Comment Ty Specifica	pe ER ations vs descri	Comment Status A		E
Suggested Replac		outer can be calculated as c	defined in Equatior	n (166–20)"		SuggestedRe Replace	-	in 166.7.8.2." with "as specifi	ed in 166.7.8.2	, "
Response ACCEI	РТ.	Response Status C				Response ACCEPT	- -	Response Status C		
C/ 166	SC 166.7.8.3	P 127	L 46	# 102		C/ 166	SC 166.7.9	P 128	L16	# 106
Pérez-Ara	nda, Rubén	KDPOF				Pérez-Arand	a, Rubén	KDPOF		
Comment	Type ER	Comment Status A			ΕZ	Comment Ty	pe TR	Comment Status A		TXRX Characteristic
Suggested						has to be	e met, accordii	4, modify the range of values ng to new Table 166-9 of TX 205_TXRX_Characteristics.	characteristics	
Replac	e "as described in	n 166.7.8.2." with "as specifi	ed in 166.7.8.2."			SuggestedRe	emedy			
Response		Response Status C				Per com	ment			
ACCEI	PT.					Response		Response Status C		
C/ 166	SC 166.7.8.3	P 127	L 49	# 171		ACCEPT	IN PRINCIPL	E.		
Pérez-Ara	nda, Rubén	KDPOF				With edit	orial license			
Comment	51	Comment Status A			EZ	C/ 166	SC 166.7.9	P 128	L16	# 107
Not va	id unitts					Pérez-Arand		KDPOF	210	
S <i>uggested</i> Replac	R <i>emedy</i> e "(dB)" with "(W))"				Comment Ty		Comment Status A		E
Response		Response Status C						ineu.		
ACCEI	PT.					SuggestedRe Replace	-	E-AU, receiver sensitivity" wi	th "For 2.5GBA	SE-AU, stressed receiver
C/ 166	SC 166.7.8.4	P 128	L 4	# 103				hange for 5, 10, 25 and 50 C		
Pérez-Arai	nda, Rubén	KDPOF				Response		Response Status C		
	<i>Type</i> ER cations vs descrip	Comment Status A			EZ	ACCEPT	-			
Suggested Replac	•	n 166.7.8.2." with "as specifi	ed in 166.7.8.2."							
Response ACCEI	PT.	Response Status C								

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

C/ 166 SC 166.7.9 Page 47 of 54 10/06/2022 18:47:06

C/ 166	SC 166.7.9	P 128	L 16	# 105	C/ 166	SC 166.7.	10 <i>P</i> 129	L 2	# 109
Pérez-Ara	anda, Rubén	KDPOF			Pérez-Ara	inda, Rubén	KDPOF		
Comment	Type TR	Comment Status A		TXRX Characteristics	Comment	Type ER	Comment Status A		TXRX Characterist
measu	ured according to	, modify the STDFOM value new Table 166-10 of RX cha 205_TXRX_Characteristics.	racteristics of	RX sensitivity is		aranda_3cz_0	3 to be consistent with 2_2205_TXRX_Characteristics	.pdf	
Suggested	dRemedy				00	omment			
Per co	omment				Response		Response Status C		
Response	9	Response Status C			•	PT IN PRINC	•		
ACCE	EPT IN PRINCIPLE	, E.							
\\/ith_c	editorial license				With e	editorial licens	е.		
					C/ 166	SC 166.7.	10 P 129	L 28	# 112
C/ 166	SC 166.7.9	P 128	L 36	# 108	Pérez-Ara	inda, Rubén	KDPOF		
Pérez-Ara	anda, Rubén	KDPOF			Comment	Type TR	Comment Status A		
Comment	51	Comment Status A		EZ	Not cl	ear specificati	on.		
Equat	tion is not correct.				Suggested	dRemedy			
Suggested Repla	dRemedy ice "=" with "<="						l being transmitted is asynchror itted by the PHY under test is a		
Response	9	Response Status C			Response		Response Status C		
ACCE	EPT.				ACCE	PT.			
C/ 166	SC 166.7.10	P 128	L 48	# 110	C/ 166	SC 166.7.	10 P 129	L 28	# 111
Pérez-Ara	anda, Rubén	KDPOF			Pérez-Ara	inda, Rubén	KDPOF		
Comment Incorre	<i>Type</i> ER rect reference.	Comment Status A		EZ	Comment Recei	<i>Ji</i> ²	Comment Status A can only be defined for a comp	lete PHY, but no	ot for a PMD sublayer.
Suggested	dRemedv				Suggested	dRemedy			
00		vithin the limits given in Tabl	e 166–10"			-	D receiver under test" with "to th	e PHY receiver	under test"
Response	•	Response Status C			Response		Response Status C		
,	EPT.	•			ACCE	DT			

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

C/ 166 SC 166.7.10 Page 48 of 54 10/06/2022 18:47:06 C/ 166 SC 166.7.10.1 P129 L42 # 119 C/ 166 SC 166.7.10.1 P130 L 53 # 115 Pérez-Aranda, Rubén KDPOF Pérez-Aranda, Rubén KDPOF Comment Type TR F7 F7 Comment Status A Comment Type TR Comment Status A Nominal symbol rate is of pattern generator incorrect register and reference SuggestedRemedy SuggestedRemedy Replace "of the receiver under test" with "of the test-pattern generator" Replace with "Local link margin reported in register 3.2350 (see 45.2.3.87e) is lower than 0." Response Response Status C Response Response Status C ACCEPT. ACCEPT. SC 166.7.10.1 P129 C/ 166 SC 166.7.10.1 P131 C/ 166 L46 # 36 L 9 # 117 HAT Labs **KDPOF** Hayashi, Takehiro Pérez-Aranda, Rubén Comment Type E Comment Status A F7 Comment Type TR Comment Status A F7 Typo the number of equation (166-13) Incorrect units. SuggestedRemedy SuggestedRemedy 166-23 Replace "(Watts)" with (W)" Response Response Status C Response Response Status C ACCEPT. ACCEPT. C/ 166 SC 166.7.10.1 P129 L 51 # 113 C/ 166 SC 166.7.10.1 P131 L11 # 116 Pérez-Aranda, Rubén KDPOF Pérez-Aranda, Rubén KDPOF Comment Type TR Comment Status A ΕZ Comment Type ER Comment Status A ΕZ Some parameters are defined in Table 166-9. Delete "using test setup defined in Figure 166-44.". It does not make sense here. Broken reference to figure. SuggestedRemedy SuggestedRemedy Replace "specified in Table 166-10" with "specified in Table 166-9 and Table 166-10" Per comment Response Response Status C Response Response Status C ACCEPT. ACCEPT SC 166.7.10.1 C/ 166 P130 L47 # 114 Pérez-Aranda, Rubén **KDPOF** Comment Type TR Comment Status A Technical fix required The first step should be configuring the right test pattern. SuggestedRemedy Add as first step: "The test-pattern generator is configured to generate specified pattern for stressed receiver sensitivity in Table 166-13 and Table 166-14." Response Status C Response ACCEPT.

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

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IEEE P802.3cz D2.0 Multi-Gigabit Optical Automotive Ethernet Initial Working Group ballot comments

C/ 166 SC 166.7.1	0.2 P131	L 19	# 118	C/ 166	SC 166.7.10.2	P 131	L 27, 43	# 120
Pérez-Aranda, Rubén	KDPOF			Pérez-Arano	la, Rubén	KDPOF		
Comment Type TR Incorrect reference. F	Comment Status A Primary params are STDFOM, I	ER and RIN.	EZ	Comment Ty Incorrec	<i>pe</i> ER t reference.	Comment Status A		E
SuggestedRemedy				SuggestedR	emedy			
	y parameters of the stressed re			Replace	"Table 166-9" v	vith "Table 166-10".		
	IDFOM), and RIN, as specified ressed receiver conformance te RIN."			Response ACCEP ⁻	Г.	Response Status C		
Response	Response Status C			C/ 166	SC 166.7.10.3	P 132	L15	# 123
ACCEPT.				Pérez-Arano		KDPOF	- 10	
C/ 166 SC 166.7.1	0.2 <i>P</i> 131	L 39	# 121	Comment Ty	,	Comment Status A		E
Pérez-Aranda, Rubén	KDPOF			,	e is confuse.			_
Comment Type TR	Comment Status A		EZ	SuggestedR	emedy			
Incorrect references. test patterns.	The ones provided are to mean	sure AOP and O	MAouter with different	sinusoid	al jitter compon	illoscope to calibrate the fina ent" with "To use an oscillos sinusoidal jitter component"		
SuggestedRemedy				0	at includes the	, ,		
gamma_tx = OMAou	MAouter and AOP as specified ter/AOP." with "Measure OMAc ate gamma tx = OMAouter/AO	outer and AOP as		Response ACCEP ⁻	Г.	Response Status C		
Response	Response Status C			C/ 166	SC 166.7.10.3	P 132	L 21	# 124
, ACCEPT.				Pérez-Arano	la, Rubén	KDPOF		
C/ 166 SC 166.7.1	0.2 <i>P</i> 131	L 50	# 122	Comment Ty tolerance	<i>pe</i> ER e test? not defin	Comment Status A ed		E
Pérez-Aranda, Rubén	KDPOF			SuggestedR	emedv			
Comment Type TR	Comment Status A litude has to be adjusted too.		EZ	00		eceiver tolerance test" with "	Running the receiv	ver sensitivity test"
, ,				Response		Response Status C		
	e sinusoidal jitter according to 1 nplitude according to 166.7.10.		Turn on the sinusoidal	ACCEP	Γ.			
Response	Response Status C							
ACCEPT.	-							

ACCEPT.

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

C/ 166 SC 166.7.10.3 Page 50 of 54 10/06/2022 18:47:06

/ 166 SC 166.7.1	0.4 <i>P</i> 132	L 35	# 233	C/ 166 SC 166.9.1	P 133	L 47	# 129
lartino, Kjersti	Inneos			Pérez-Aranda, Rubén	KDPOF		
omment Type E	Comment Status A		EZ	Comment Type TR	Comment Status A		EZ
Change wording for	clarity of the following: "for the e	equations the tab	le."	It should be effective	modal bandwidth		
uggestedRemedy				SuggestedRemedy			
"for the equations in	the table."				width" with "Effective modal b		d foot note: "When
esponse	Response Status C				Inch conditions specified in Ta	able 166-9"	
ACCEPT.				Response ACCEPT.	Response Status C		
/ 166 SC 166.7.1	0.4 <i>P</i> 132	L 49	# 125	ACCEFT.			
érez-Aranda, Rubén	KDPOF			C/ 166 SC 166.9.1	P 133	L 47	# 127
omment Type ER	Comment Status A		EZ	Pérez-Aranda, Rubén	KDPOF		
Replace KHz with kH	Iz in Table 166-18			Comment Type TR Incorrect units. Replac	Comment Status A ce "MHz.km" with "MHz·km"		EZ
uggestedRemedy Per comment.				SuggestedRemedy Per comment.			
esponse	Response Status C			Response	Response Status C		
ACCEPT.				ACCEPT.	Response Status C		
166 SC 166.9.1	P 133	L 35	# 37	C/ 166 SC 166.9.1	P133	L 50	# 128
ayashi,Takehiro	HAT Labs				KDPOF	L 50	# 128
omment Type E	Comment Status A		Text improvement	Pérez-Aranda, Rubén Comment Type ER	Comment Status A		EZ
The optical fiber sho	uld meet both of requirements			51	slop" with "Chromatic dispersion	on slone"	
uggestedRemedy				SuggestedRemedy			
change "or" to "and"				Per comment.			
esponse	Response Status C			Response	Response Status C		
ACCEPT IN PRINCI Replace "The fiber of	PLE. ontained within the BASE-AU fi	ber ontic cabling	shall comply with the	ACCEPT.			
requirements of IEC	60793-2-10 for optical fiber Typ						
Table 166–19 where	they differ" with within the BASE-AU fiber optic	cabling shall cor	nnly with the	C/ 166 SC 166.9.1	P 133	L 50	# 126
requirements of IEC	60793-2-10 for optical fiber Typ	oe A1a.2 (OM3) a	and the requirements of	Pérez-Aranda, Rubén	KDPOF		
Table 166–19. For p	arameters where they differ, Ta	ble 166–19 preva	ails."	Comment Type TR Incorrect units. Replac	Comment Status A ce "ps/nm^2.km" with "ps/(nm	^2·km)	EZ
				SuggestedRemedy			
				Per comment.			
				Response ACCEPT.	Response Status C		
'PE: TR/technical requ	ired ER/editorial required GR/	general required	T/technical E/editorial	/general	C/ 1	66	Page 51 of 54

C/ 166 SC 166.9	2.1 P134	L 10	# 130	C/ 166 SC 166.14.2	P 137	L 8	# 235
Pérez-Aranda, Rubén	KDPOF			Marris, Arthur	Cadence De	sign Systems	
Comment Type TR	Comment Status A		E	Comment Type T	Comment Status A		External standard
	not make technical sense.				eferencing Annex J.2 as othe 62 is not specifc enogh.	er PHY clauses d	o, also saying
SuggestedRemedy			II	SuggestedRemedy			
connection insertior	num link distances are calculate n loss shown in Table 166–20." v culated based on the allocation	with "The maximu	Im number of	requirements in J.2."	Equipment subject to this cla		с <i>ў</i>
Response	Response Status C			Say exactly which part ISO 26262 altogether.	of ISO 26262 needs to be co	onformed to or de	elete the reference to
ACCEPT.				Response	Response Status C		
C/ 166 SC 166.9	.2.2 P134	L 34	# 38	ACCEPT IN PRINCIPI	.E.		
Hayashi,Takehiro Comment Type T	HAT Labs Comment Status R		Text improvemer	Replace full paragraph safety requirements in	with "Equipment subject to t J.2."	his clause shall c	conform to the general
SuggestedRemedy	erally used with a positive value.			Synchronize wording c Clause 149.9.	of Environmental safety and e	lectromagnetic s	afety subclauses with
change "reflectance	e" to "return loss" and delete "-" f	rom "-20"		C/ 166 SC 166.14.5	P138	L 14	# 143
Response	Response Status C			Pérez-Aranda, Rubén	KDPOF		
REJECT.				Comment Type ER	Comment Status A		EZ
This subclause is c	onsistent with many others -SR	clauses.		51	oductexplicitly defines require rements"	ments" with "abo	ut the product, where
				SuggestedRemedy Per comment			
				Response ACCEPT.	Response Status C		
				C/ 166 SC 166.16.5	P 144	L 27	# 234
				Martino, Kjersti	Inneos		
				Comment Type E Typo, extra "s" in "LPI	Comment Status A is treated ass an error if"		EZ
				SuggestedRemedy "LPI is treated as an e	rror if"		
				Response	Response Status C		

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C/ 166A S	SC 166A	P 154	L 1	# 250	C/ 166A	SC 166A.2	P 154	L 22	# 257
Nicholl, Shawr	n	AMD			Ran, Adee		Cisco		
omment Type	е Т	Comment Status A		RS-FEC	Comment T	уре Т	Comment Status A		LFSI
Add an An uggestedRen		ng RS(544,522) FEC codewo	rd examples.				SR binary scrambler sequence d by an LFSR, and is not listed		
Insert new	sub-clause	Annex 166A (thus updating ex			Similarl	y in Table 16	6A-2.		
		contain RS(544,522) FEC co after Annex 91A.	deword example	s. Model the new	SuggestedF	Remedy			
Response ACCEPT.		Response Status C			Change sequen		2.5GBASE-U, 5GBASE-U, 10GE	BASE-U, and 250	GBASE-U scrambler
					Change	166A.3 acco	ordingly.		
/ 166A S	SC 166A	P 154	L 1	# 6	Response		Response Status C		
Brown, Matt Comment Type Missing ec		Huawei Comment Status A ction to add annex.		EZ	Change	T IN PRINCI the subclaus crambler sec	se title to "2.5GBASE-U, 5GBAS	E-U, 10GBASE	-U, and 25GBASE-U
uggestedRen	nedy				Change	166A.3 acco	ordingly.		
Add and e	ditorial note	at the top of the page "Insert r	new Annex 166A	as follows:"	Change	the annex ti	tle to "BASE-U binary scramble	sequence"	
esponse		Response Status C			Ū.		-		
ACCEPT.					Revise	other occure	nces of "LFSR" in the draft acco	rdingly.	
					C/ 166A	SC 166A.2	P 154	L 26	# 258
					Ran, Adee		Cisco		
					Comment T Table		Comment Status A s the first and last 2048 bits of t	x_lfsr<0:195839	======================================
					The tab	le content is	hexadecimal digits, not bits.		
					Similar	y in Table 16	6A-2.		
					SuggestedF	Remedy			
						to "Table 16 x_lfsr<0:1958	6A–1 shows the hexadecimal re 339>"	epresentation of	the first and last 2048
					Change	166A.3 acco	ordingly.		
					Response		Response Status C		

C/ **166A** SC **166A.2**

Hajduczenia, Marek Charter Communications Comment Type E Comment Status A EZ Table 166A-1 uses now standard font for long hex sequence. I suggest to use fixed width font, e.g., Courier New to make the hex code more readable. EZ Comment Type E Comment Status A EZ SuggestedRemedy Per comment. The same applies to Table 166A-2 Ran, Adee Clsco Comment Type E Comment of these characters in different rows. SuggestedRemedy Per comment. The same applies to Table 166A-2 Ran, Adee Clsco Comment Type E Comment of these characters in different rows. V1 166A SC 166A.2 P 154 L 33 # 19 The content would be easier to follow if fixed-width font (e.g., Courier) or use other means to get a similar effect. Since the LFSR binary scrambler sequences are incomplete (tables show ""), we need t post complete sequence in binary (machine readable format) and link it LFSR SuggestedRemedy Per comment P13 L 1 # 14 Hajduczenia, Marek Charter Communications Comment Type E Comment Status A E SuggestedRemedy Per comment Per comment Comment Type E Comment Status <th></th>											
Dominient Type E Comment Status A EZ Table 166A-1 uses now standard font for long hex sequence. I suggest to use fixed width font, e.g., Courier New to make the hex code more readable. If the intent of the underscore characters in Table 166A-1 is no improve readability, it is finded. If the intent of the underscore characters in Table 166A-1 is no improve readability, it is finded. SiggestedRemedy Per comment. The same applies to Table 166A-2. Response Status C ACCEPT. // 166A SC 166A.2 P154 L33 # 19 // 166A SC 166A.2 Response Status C ACCEPT. // 166A Comment Status A L1 # 14 // 166A Comment Status Comment Status A E Songet	C/ 166A	SC 166A.2	P 154	L 33	# 18	C/ 166A	SC	C 166A.2	P 154	L35	# 259
Table 166A-1 uses now standard font for long hex sequence. I suggest to use fixed width font, e.g., Courier New to make the hex code more readable. If the intent of the underscore characters in Table 166A-1 is no improve readablity, it is hampered by the inconsistent placement of these characters in different rows. Urggested/Remedy Response Response Status C ACCEPT. If the intent of the underscore characters in Table 166A-1 is no improve readablity, it is hampered by the inconsistent placement of these characters in different rows. Windex SC 166A.2 P 154 L 33 # 19 It for inter communications Charter Communications Simular in the content of the right column in a fixed-width font (e.g., Courier) or use other means to get a similar effect. Since the LFSR binary scrambler sequences are incomplete (tables show ""), we need to get a similar effect. Response Response Status C ACCEPT IN PRINCIPLE. Conment type E Comment Status A Charter Communications Per comment Response Status C ACCEPT. ACCEPT IN PRINCIPLE. Only a few of random sequences specified in 802.3 are provided for download in a machine pattern in C/166: SSPR-NRZ, SSPR-PMAM and pattern for stressed receiver sensitivity. A total of five files are provided: Cote file file are provided: C166_G1_binary_scrambler_sequence.xt CteGEPT. Response Response Status C AccEPT. A total of five files are provided:	Hajduczenia	a, Marek	Charter Comm	nunications		 Ran, Ade	е		Cisco		
font, e.g., Courier New to make the hex code more readable. Accept. buggestedRemedy Per comment. The same applies to Table 166A-2 Response Response Status C ACCEPT. Charter Communications 27 166A SC 166A.2 P154 L33 # 19 14jduczenia, Marek Charter Communications LFSR Since the LFSR binary scrambler sequences are incomplete (tables show ""), we need t post complete sequence in binary (machine readable format) and link it Per comment Response Response Status C ACCEPT. C/ ToC SC TOC P13 L1 # 14 Per comment Response Status C AcCEPT. C/ ToC SC TOC P13 L1 # 14 Per comment Response Status 102 SSPR-NRZ, SSPR-NPAM4 and pattern for stressed receiver sensitivity. A total of five files are provided: C/ 166.G1_binary_scrambler_sequence.txt C// SSPR-NRZ, SSPR-PAM4 and pattern for stressed receiver sensitivity.	Comment T	ype E	Comment Status A		EZ	Comment	Туре	Е	Comment Status A		EZ
Per comment. The same applies to Table 166A–2 Response Response Status C ACCEPT. To 166A SC 166A.2 P154 L33 # 19 Hajduczenia, Marek Charter Communications Comment Type TR Comment Status A LFSR isnoze the LFSR binary scrambler sequences are incomplete (tables show ""), we need t post complete sequence in binary (machine readable format) and link it tuggestedRemedy Per comment Response Response Status C ACCEPT IN PRINCIPLE. Only a few of random sequences specified in 802.3 are provided for download in a machine readeable format (e.g. Clause 120 SSPRQ). However, if considered necessary, the same action needs to be implemented for other test pattern in C166: SSPR-NAM4 and pattern for stressed receiver sensitivity. A total of five files are provided: C166_G1_binary_scrambler_sequence.txt C166_G2_binary_scrambler_sequence.txt					est to use fixed width						3 /
Per comment. The same applies to Table 166A–2 Accept. A	SuggestedR	Remedy				The c	ontent	t would be e	easier to follow if fixed-width	font is used resu	ulting in alignment of all
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ACCEPT. 2/ 166A SC 166A.2 P154 L33 # 19 tajduczenia, Marek Charter Communications Comment Type TR Comment Status A LFSR Since the LFSR binary scrambler sequences are incomplete (tables show ""), we need t post complete sequence in binary (machine readable format) and link it LFSR Response Response Status C RecEPT IN PRINCIPLE. Contract Communications Charter Communications Comment Type E Comment Status A E Nova few of random sequences specified in 802.3 are provided for download in a machine readable format (e.g. Clause 120 SSPRQ). A total of five files are provided: Cli66_G1_binary_scrambler_sequence.txt Cli66_G2_binary_scrambler_sequence.txt	Response		Response Status C			Simil	rlv in	Table 166A	-2		
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ACCEPT. ACCEPT. ACCEPT. C/ TOC SC TOC P13 L1 # 14 C/ TOC SC TOC P13 L1 C/ TOC SC TOC P13 L1 C/ T		-	Comment Status A		LFSF	Response			Response Status C		
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Per comment Comment Comment Type E Comment Status A E Response Response Status C Something is wrong with indentation of Level 1 headers in TOC. Are you using the latest version? Something is wrong with indentation of Level 1 headers in TOC. Are you using the latest version? SuggestedRemedy Only a few of random sequences specified in 802.3 are provided for download in a machine readeable format (e.g. Clause 120 SSPRQ). SuggestedRemedy Please fix However, if considered necessary, the same action needs to be implemented for other test pattern in C/166: SSPR-NRZ, SSPR-PAM4 and pattern for stressed receiver sensitivity. SuggestedRemedy Please fix A total of five files are provided: C166_G1_binary_scrambler_sequence.txt C ACCEPT. C166_G2_binary_scrambler_sequence.txt C166_G2_binary_scrambler_sequence.txt E	SuggestedF	Remedy									
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Child a lew of random sequences specified in 002.5 are provided for download in a machine readeable format (e.g. Clause 120 SSPRQ). Please fix However, if considered necessary, the same action needs to be implemented for other test pattern in C/166: SSPR-NRZ, SSPR-PAM4 and pattern for stressed receiver sensitivity. Please fix A total of five files are provided: Response Response Status C C166_G1_binary_scrambler_sequence.txt C166_G2_binary_scrambler_sequence.txt C166_G2_binary_scrambler_sequence.txt C	ACCEP	T IN PRINCIPL	-E.					ie mong m			you doing the latest
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pattern in C/166: SSPR-NRZ, SSPR-PAM4 and pattern for stressed receiver sensitivity. A total of five files are provided: C166_G1_binary_scrambler_sequence.txt C166_G2_binary_scrambler_sequence.txt	readeab	ole format (e.g.	Clause 120 SSPRQ).			Pleas	e fix				
A total of five files are provided: ACCEPT. C166_G1_binary_scrambler_sequence.txt C166_G2_binary_scrambler_sequence.txt						Response			Response Status C		
C166_G1_binary_scrambler_sequence.txt C166_G2_binary_scrambler_sequence.txt	pattern	III C/100. 33F1		en loi suesseu	receiver sensitivity.	ACCE	PT.				
C166_G2_binary_scrambler_sequence.txt	A total o	of five files are	provided:								
	C166_G	G1_binary_scra	mbler_sequence.txt								
C166_SSPR-NRZ_pattern.txt	C166_G	G2_binary_scra	mbler_sequence.txt								
	C166_S	SPR-NRZ_pat	tern.txt								

C166_SSPR-PAM4_pattern.txt

C166_Stressed_Receiver_Sensitivity_pattern.txt

CI **TOC** SC **TOC**