C/FM SC FM P1 L9 # 11	C/ <b>FM</b>	SC F	М		P <b>1</b>	L 26	# 43	
Hajduczenia, Marek Charter Communications	Grow,Rob	bert			RMG Consu	ulting		
Comment Type E Comment Status D P802.3/D3.2 alignen	ent Comment	t Type	E	Commen	t Status D		P802.3/D3.2 a	lignemen
Missing amendment number SuggestedRemedy						mendment 6 (d dment number t	d, cs, db, ck, cx, d han P802.3cz.	e).
It looks like you will be Amendment 9 to 802.3-2022 when published	Suggeste	dRemedy						
Proposed Response Response Status W PROPOSED REJECT.	safe t	to write P8	302.3cz a				llot in May, it is pro r. Law provides a (	
Our analysis indicates we are the most likely to be Amendment 7, but an amendment number should not be used until assigned by Mr. Law. Editorial notes indicate which amendments are assumed to precede this one.		POSED A	CCEPT	IN PRINCIPL		Chair. with cove	er page and FM	
C/FM SCFM P1 L25 # 12	Introd	duction list	reflectir				02.3cz (currently o	ld, cs,
Hajduczenia, Marek Charter Communications	db, cł	k, dx, de).						
	ent C/FM	SC F	м		P1	L 28	# 13	
Comment Type E Comment Status D P802.3/D3.2 alignen								
List of amendment incomplete and in wrong order	Hajducze	enia, Marel	k		Charter Con	nmunications		
List of amendment incomplete and in wrong order		,	k E	Commen	Charter Con t Status <b>D</b>	nmunications		EZ
List of amendment incomplete and in wrong order	Hajducze Comment	<i>t Type</i> ng spacing	E		t Status D		Gb/s, 10Gb/s, 25 0	
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cx-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cx-20XX, and	Hajducze Comment Missi 50 Gł	t Type ng spacing b/s" dRemedy	E g betwee		t Status D		Gb/s, 10Gb/s, 25 C	
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cx-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cx-20XX, and IEEE Std 802.3de-20XX" and might want to add .3cw and .3cy for good measure in case	Hajducze Comment 50 Gł Suggeste Add r	t Type ng spacing b/s" dRemedy missing sp	E g betwee baces	en numeric v	t Status <b>D</b> alue and units i		Gb/s, 10Gb/s, 25 C	
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cx-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3db-20XX" and might want to add .3cw and .3cy for good measure in case they go ahead of you.	Hajducze Comment 50 Gt Suggeste Add r Proposed	t Type ng spacing b/s" dRemedy nissing sp I Response	E g betwee paces e	en numeric v Response	t Status D		Gb/s, 10Gb/s, 25 C	
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cx-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3de-20XX" and might want to add .3cw and .3cy for good measure in case they go ahead of you.  Proposed Response Response Status W	Hajducze Comment 50 Gt Suggeste Add r Proposed	t Type ng spacing b/s" dRemedy missing sp	E g betwee paces e	en numeric v Response	t Status <b>D</b> alue and units i		Gb/s, 10Gb/s, 25 C	EZ Gb/s and
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cx-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cx-20XX, and IEEE Std 802.3db-20XX" and might want to add .3cw and .3cy for good measure in case they go ahead of you. Proposed Response Response Status W PROPOSED REJECT. "IEEE Std 802.3db-20XX" is repeated in the proposed list.	Hajducze Comment 50 Gt Suggeste Add r Proposed	t Type ng spacing b/s" dRemedy nissing sp I Response	E g betwee paces e CCEPT.	en numeric v Response	t Status <b>D</b> alue and units i		Gb/s, 10Gb/s, 25 C	
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cs-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3db-20XX" and might want to add .3cw and .3cy for good measure in case they go ahead of you. Proposed Response Response Status W PROPOSED REJECT.	Hajducze Comment 50 Gł Suggeste Add r Proposed PROF	t Type ng spacing b/s" dRemedy nissing sp l Response POSED A SC F	E g betwee paces e CCEPT.	en numeric v Response	t Status D alue and units i Status W P1	in "2.5 Gb/s, 50		
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cs-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3db-20XX" and might want to add .3cw and .3cy for good measure in case they go ahead of you. Proposed Response Response Status W PROPOSED REJECT. "IEEE Std 802.3db-20XX" is repeated in the proposed list.	Hajducze Comment 50 Gt Suggeste Add r Proposed PROF C/ FM Hajducze Comment	t Type ng spacing b/s" dRemedy missing sp l Response POSED A POSED A SC Fil enia, Marel t Type	E g betwee paces e CCEPT. M k E	en numeric v Response	t Status D alue and units i Status W P1 Charter Con t Status D	in "2.5 Gb/s, 50		
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cs-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3db-20XX" and might want to add .3cw and .3cy for good measure in case they go ahead of you. Proposed Response Response Status W PROPOSED REJECT. "IEEE Std 802.3db-20XX" is repeated in the proposed list.	Hajducze Comment 50 Gt Suggeste Add r Proposed PROF C/ FM Hajducze Comment	t Type ng spacing b/s" dRemedy missing sp l Response POSED A POSED A SC Fil enia, Marel t Type	E g betwee paces e CCEPT. M k E	en numeric v Response	t Status D alue and units i Status W P1 Charter Con t Status D	in "2.5 Gb/s, 50		Gb/s and
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cs-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3db-20XX" and might want to add .3cw and .3cy for good measure in case they go ahead of you. Proposed Response Response Status W PROPOSED REJECT. "IEEE Std 802.3db-20XX" is repeated in the proposed list.	Hajducze Comment 50 Gt Suggeste Add r Proposed PROF C/ FM Hajducze Comment	t Type ng spacing b/s" dRemedy missing sp l Response POSED A SC Fl enia, Marel t Type t D2.0 is p	E g betwee paces e CCEPT. M k E rrepared	en numeric v Response	t Status D alue and units i Status W P1 Charter Con t Status D	in "2.5 Gb/s, 50		Sb/s and
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cx-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cx-20XX, and IEEE Std 802.3db-20XX" and might want to add .3cw and .3cy for good measure in case they go ahead of you. Proposed Response Response Status W PROPOSED REJECT. "IEEE Std 802.3db-20XX" is repeated in the proposed list.	Hajducze Comment 50 Gł Suggeste Add r Proposed PROF C/ FM Hajducze Comment "Draft Suggeste Likely	t Type ng spacing b/s" dRemedy missing sp l Response POSED A SC Fl enia, Marel t Type t D2.0 is p dRemedy	E g betwee paces e CCEPT. M k E rrepared	en numeric v Response Commen	t Status D alue and units i Status W P1 Charter Con t Status D ce review"	in "2.5 Gb/s, 50 <i>L</i> 29 nmunications		Bb/s and
List of amendment incomplete and in wrong order SuggestedRemedy Change "IEEE Std 802.3dd-20XX, IEEE Std 802.3de-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cs-20XX, and IEEE Std 802.3cx-20XX" to IEEE Std 802.3dd-20XX, IEEE Std 802.3cs-20XX, IEEE Std 802.3db- 20XX, IEEE Std 802.3db-20XX, IEEE Std 802.3ck-20XX, IEEE Std 802.3cx-20XX, and IEEE Std 802.3db-20XX" and might want to add .3cw and .3cy for good measure in case they go ahead of you. Proposed Response Response Status W PROPOSED REJECT. "IEEE Std 802.3db-20XX" is repeated in the proposed list.	Hajducze Comment 50 Gł Suggeste Add r Proposed PROF C/ FM Hajducze Comment "Draft Suggeste Likely	t Type ng spacing b/s" dRemedy missing sp l Response POSED A SC Fl enia, Marel t Type t D2.0 is p dRemedy / for initial sulation"	E g betwee paces e CCEPT. M k E repared Working	en numeric v Response Commen I for Task For g Group revie	t Status D alue and units i Status W P1 Charter Con t Status D ce review"	in "2.5 Gb/s, 50 <i>L</i> 29 nmunications	# [ <u>10</u>	Bb/s and

C/FM SCFM	<i>P</i> 1	L <b>43</b>	# 44	C/ FM	SC FM		P 10	L 44	# 48
Grow,Robert	RMG Consulti	ng		Grow,Robe	ert	R	MG Consult	ing	
Comment Type ER	Comment Status D		P802.3/D3.2 alignement	Comment		Comment Sta			P802.3/D3.2 alignemen
This is not the current	copyright statement.					22, P802.3de was de			
SuggestedRemedy						ly to be assigned a lo	wer amenun	nent number t	Inan Pouz.302.
Update to latest IEEE	SA editorial templates.			Suggested		a ammandmant liat a	dar Ifna a	thor omondm	ents enter WG ballot in
Proposed Response PROPOSED ACCEPT	Response Status W			May, it	is probably	safe to write P802.3c t amendment order.			
C/FM SC FM	P7	L15	# 45	Proposed I	Response	Response Sta	tus <b>W</b>		
Grow.Robert	RMG Consulti		# 43			EPT IN PRINCIPLE.			
Comment Type E	Comment Status D	ig	EZ	See #4	3.				
WG ballot group is nov			EZ	C/ FM	SC FM		P 11	L <b>8</b>	# 236
0 1				Marris, Art	hur	C	adence Des	ign Systems	
SuggestedRemedy Remove Editor's Note	and include WG ballot list.			<i>Comment</i> 802.3d		Comment Sta d to be Amendment 6	_		P802.3/D3.2 alignemen
Proposed Response PROPOSED ACCEPT	Response Status W			Suggested					
	5.0					e to Amendment 6 an		cs, db, ck and	a cx appropriately
C/FM SC FM	P <b>9</b>	L 19	# 46	Proposed I	Response	Response Sta	tus <b>W</b>		
				•		,			
Grow,Robert	RMG Consultin	ng		PROP		EPT IN PRINCIPLE.			
Grow,Robert <i>Comment Type</i> <b>E</b>	Comment Status D	-	EZ	PROP #See 4	3.	,	240		" 10
Grow,Robert Comment Type E P802.3 has changed c		-		PROP #See 4 C/ FM	SC FM	EPT IN PRINCIPLE.	<i>P</i> 19	L 51	# [49
Grow,Robert Comment Type E P802.3 has changed c SuggestedRemedy	Comment Status D	-		PROP #See 4 C/ FM Grow,Robe	SC FM	EPT IN PRINCIPLE.	MG Consult		
Grow,Robert Comment Type E P802.3 has changed o SuggestedRemedy "EtherType"	Comment Status <b>D</b> apitalization of Ethertype to Ethertyp	-		PROP #See 4 C/ FM Grow,Robe Comment	I3. SC FM Pert Type E	EPT IN PRINCIPLE. R Comment Sta	MG Consult	ing	P802.3/D3.2 alignement
Grow,Robert Comment Type E P802.3 has changed o SuggestedRemedy "EtherType" Proposed Response	Comment Status D apitalization of Ethertype to Ethertype	-		PROP #See 4 C/ FM Grow,Robe Comment P802.3	SC FM ert <i>Type</i> E Bcw now app	EPT IN PRINCIPLE.	MG Consult	ing	P802.3/D3.2 alignemen
Grow,Robert Comment Type E P802.3 has changed c SuggestedRemedy "EtherType"	Comment Status D apitalization of Ethertype to Ethertype	-		C/ FM Grow,Robe Comment P802.3 Suggested	SC FM ert Type E Bow now app Remedy	EPT IN PRINCIPLE. R <i>Comment Sta</i> bears to be later than	MG Consult atus <b>D</b> P802.3cz in	ing reaching Rev	P802.3/D3.2 alignement Com.
Grow,Robert Comment Type E P802.3 has changed o SuggestedRemedy "EtherType" Proposed Response PROPOSED ACCEPT	Comment Status D apitalization of Ethertype to Ethertype	-		C/ FM Grow,Robe Comment P802.3 Suggested Evalua	SC FM ert Type E Bow now app Remedy tte in May if t	EPT IN PRINCIPLE. R <i>Comment Sta</i> ears to be later than the note should be up	MG Consult atus <b>D</b> P802.3cz in dated to ren	ing reaching Rev	P802.3/D3.2 alignement Com.
Grow,Robert Comment Type E P802.3 has changed of SuggestedRemedy "EtherType" Proposed Response PROPOSED ACCEPT C/ FM SC FM	Comment Status D apitalization of Ethertype to Ethertype	herType per	current RAC preference.	PROP #See 4 C/ FM Grow,Robe Comment P802.3 Suggested Evalua Proposed f	SC FM ert Type E Bow now app Remedy Ite in May if t Response	EPT IN PRINCIPLE. R <i>Comment Sta</i> bears to be later than the note should be up <i>Response Sta</i>	MG Consult atus <b>D</b> P802.3cz in dated to ren	ing reaching Rev	P802.3/D3.2 alignemen Com.
Grow,Robert Comment Type E P802.3 has changed of SuggestedRemedy "EtherType" Proposed Response PROPOSED ACCEPT C/ FM SC FM Grow,Robert Comment Type E	Comment Status D rapitalization of Ethertype to Eth Response Status W  P10	herType per	current RAC preference. # 47	PROP #See 4 C/ FM Grow,Robe Comment P802.3 Suggested Evalua Proposed f	SC FM ert Type E Bow now app Remedy Ite in May if t Response OSED ACCE	EPT IN PRINCIPLE. R <i>Comment Sta</i> ears to be later than the note should be up	MG Consult atus <b>D</b> P802.3cz in dated to ren	ing reaching Rev	P802.3/D3.2 alignement Com.
Grow,Robert Comment Type E P802.3 has changed of SuggestedRemedy "EtherType" Proposed Response PROPOSED ACCEPT C/ FM SC FM Grow,Robert Comment Type E	Comment Status D apitalization of Ethertype to Ether Response Status W P10 RMG Consultin Comment Status D	herType per	current RAC preference. # 47	C/ FM Grow,Robe Comment P802.3 Suggested Evalua Proposed H	SC FM ert Type E Bow now app Remedy Ite in May if t Response OSED ACCE	EPT IN PRINCIPLE. R <i>Comment Sta</i> bears to be later than the note should be up <i>Response Sta</i>	MG Consult atus <b>D</b> P802.3cz in dated to ren	ing reaching Rev	P802.3/D3.2 alignement Com.
Grow,Robert Comment Type E P802.3 has changed of SuggestedRemedy "EtherType" Proposed Response PROPOSED ACCEPT C/ FM SC FM Grow,Robert Comment Type E The Section Nine deso	Comment Status D Response Status W P10 RMG Consultin Comment Status D cription was modified during P8	herType per	current RAC preference. # 47	C/ FM Grow,Robe Comment P802.3 Suggested Evalua Proposed H	SC FM ert Type E Bow now app Remedy Ite in May if t Response OSED ACCE	EPT IN PRINCIPLE. R <i>Comment Sta</i> bears to be later than the note should be up <i>Response Sta</i>	MG Consult atus <b>D</b> P802.3cz in dated to ren	ing reaching Rev	P802.3/D3.2 alignemen Com.

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

CI	FM
SC	FM

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C/00 SC 0 P L # 23	7 C/ 00 SC 0	P <b>0</b>	LO	# 7
Murty, Ramana Broadcom	Brown, Matt	Huawei		
Comment Type T Comment Status D	General Comment Type	E Comment Status D		E
The draft describes FEC and optical link characterization methods that are at odd recent optical link definitions in IEEE 802.3. I need more time to evaluate the tech economic implications of this proposal.		e draft when listing an IEEE standard ne draft template uses 202x wherea		
SuggestedRemedy	Replace "20XX	" with "202x" throughout this draft. F Std 802.3dd-202x".	For example, char	nge "IEEE Std 802.3dd-
Proposed Response Response Status W	Proposed Respons	e Response Status W		
PROPOSED REJECT.	PROPOSED A	CCEPT.		
The commenter did not recommend a change to the draft. See #266.	C/ 00 SC 0	P106	L	# 21
C/00 SC 0 P0 L0 #1	Hayashi,Takehiro	HAT Labs		
Brown. Matt Huawei	Comment Type	E Comment Status D		E
	mprovement The order of Fig	gure 166-31, 32 is incorrect.		
The editor's note inserted in each clause refers to "baseline text", but is likely inter refer to the "base standard" which includes the most recent 802.3 revision and ar amendments preceding 802.3cz. The term "baseline" refers to an adopted proposition into an amendment.	Name and the second sec	ition of figures. e Response Status <b>W</b>		
SuggestedRemedy	PROPOSED A	CCEPT.		
In each clause and annex, in the editor's note starting with "The baseline text use generate", change "baseline text" to "base standard".	0, 1 00 1		L <b>4</b>	# 15
Proposed Response Response Status W	Hajduczenia, Mare		nmunications	_
PROPOSED ACCEPT IN PRINCIPLE.	Comment Type No new normat	E Comment Status D tive references		E
Substitute "baseline text" with "base text".	SuggestedRemedy			
"Baseline text" may be misleading, but the use of "base standard" implies that we	Remove subcla	ause 1.3		
amending a published standard.	Proposed Respons	e Response Status W		
Most probably, we will be amending an approved draft revision of IEEE Std 802.3 as IEEE Std 802.3-202x.	PROPOSED A	CCEPT.		

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/ 1 SC 1.3

C/ 1	SC 1.4	P 20	L 20	# 50	C/ 1	SC	1.4.204a	P 21	L <b>5</b>	# 51
Grow,Ro	pert	RMG Consul	ting		Grow,Ro	bert		RMG Consul	ting	
Comment	туре Е	Comment Status D		P802.3/D3.2 alignement	Comment	t Type	т	Comment Status D		Definitions
		Note and check base text in pre			Use	of the ter	m being de	efined within the definition is	circular and she	ould be avoided.
		se text changes required by the f accepted, the note repeated or			Suggeste	dRemed	ly			
	arliy updated.	·						HYs that use a BASE-U Phy		
Suggeste	dRemedy							ion over optical fiber in the a E-AU, 10GBASE-AU, 25GB		
		sed to generate the editing instru					ause 166.)			
		by IEEE 802.3dd Draft 3.1 (Mar b Draft 3.0 (March 2022), IEEE			Proposed	Respor	ise	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
802.3	cx Draft 3.2 (N	Aarch 2022), and IEEE 802.3de	Draft 3.0 (March	2022).				N PRINCIPLE.		
	lause, Table a ned amendme	nd Figure numbers (possibly bas	seline text) may o	change in response to			ition to rea he set of P	d as: 'HYs that use a BASE-U PC	S and PMA with	PMD specifications for
0	Response	Response Status W			opera	ation ove	r optical fit	per in the automotive enviror	nment, including	2.5GBASE-AU,
,	,	PT IN PRINCIPLE.				\SE-AU, se 166.)"		E-AU, 25GBASE-AU, and 50	GBASE-AU. (S	ee IEEE Std 802.3,
Repla	ace "baseline t	ext" with "base text" and add the	e suggested list o	f base text:		,				
"IEEE	E 802.3 Draft 3	.2 (March 2022) as amended by	IEEE 802.3dd D	)raft 3.1 (March 2022).	C/ 1		1.4.206a	P21	L 11	# 52
IEEE	802.3cs Draft	3.2 (March 2022), IEEE 802.3d	b Draft 3.0 (Marc	h 2022), IEEE 802.3ck	Grow,Ro		_	RMG Consul	ting	
	3.1 (March 20) ch 2022).	22), IEEE 802.3cx Draft 3.2 (Ma	rch 2022), and I	EEE 802.3de Draft 3.0	Commen		T bod oo th	Comment Status D ne BASE-AU definition, this of	ono oloo io o hit	Definitions
Subc	lause, Ťable a	nd Figure numbers (possibly ba	seline text) may o	change in response to		•			She also is a bit	circular as written.
assig	ned amendme	nt order."			Suggeste		•	CC and DMA authover enacti	fications used by	y a family of Dhysical
Upda	te similar note	s repeated on other clauses of t	he draft.					CS and PMA sublayer specit EE Std 802.3, Clause 166.)	ications used by	y a family of Physical
C/ 1	SC 1.4.62	a P20	L 30	# 247	Proposed	Respor	ise	Response Status W		
Dawe, Pi		Nvidia			PRO	POSED	ACCEPT.			
Comment		Comment Status D		Definitions	C/ 1	22	1.4.464	P <b>21</b>	L 16	# 53
This :	says "a 10 Gb/	s Ethernet full duplex local area		esn't it make point-to-	Grow,Ro			RMG Consul		# 55
		a CSMA/CD or PON Physical La be redundant (compare other c			Comment		Е	Comment Status D		Definitions
		the reader a bit more idea what						ide information block" is a bi	t difficult to unde	
Suggeste	dRemedy		-		Suggeste	0	0			
00					Suyyesie		'Y			

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.

#### Proposed Response Response Status W

### PROPOSED ACCEPT IN PRINCIPLE.

"for 2.5 Gb/s full duplex over multimode optical fiber for use in automotive applications."

	C/ 1
drawn	SC 1.4.464

Response Status W

Replace with "An information block".

Proposed Response

PROPOSED ACCEPT.

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TYPE: TR/technical required ER/editorial required GR/general required T/technical E	-/editorial G/general	C/ 1
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS:	O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 1.4
SORT ORDER: Clause, Subclause, page, line		

C/ 1	SC 1.5		P 21	L 24	# 260	C/ 30	SC 3	80.3.2.1.2	P 22	L 36	# 56
Ran, Ade	ee		Cisco			Grow,Rob	pert		RMG Consultir	ng	
Commen	nt Type E	Comi	ment Status D		LFSR	Comment	Туре	Е	Comment Status D		P802.3/D3.2 alignement
			erous specifications			Per P	802.3/D3	8.2, the sta	rt of 25GBASE list is after "2	5/10GBASE	·PQ".
	nym LFSR at tablished.	all. It is prefer	able to avoid adding	new acronyms	where existing language	Suggeste	dRemedy	/			
						afte	er the ent	ry for "25/*	I0GBASE-SP"		
			R in the text is not e least in the first occu		ere in this draft (if it is ause or annex).	Proposed	Respons		Response Status W		
Suggeste	edRemedy					FNOF		COLF I.			
	,	,		0	" in the few cases where	C/ 30	SC 3	80.3.2.1.2	P 22	L <b>41</b>	# 57
		bject of other	ces should be chang comments).	jed to polynomi	al, scrambler of	Grow,Rob	pert		RMG Consultir	ng	
	d Response	•	onse Status <b>W</b>			Comment	Туре	Е	Comment Status D		P802.3/D3.2 alignement
PRO		,				Per P	802.3/D3	8.2, the sta	rt of the 50GBASE list is afte	r "50/25GBA	SE-PQ"
	~~ ~~ ~				" []	Suggeste	dRemedy	/			
C/ 30	SC 30.3	.2.1.2	P 22	L 21	# 54	afte	er the ent	ry for "50/2	25GBASE-PQ"		
Grow,Ro			RMG Consul	ting		Proposed	Respons	se	Response Status W		
Commen			ment Status D		P802.3/D3.2 alignement	PROF	POSED A	CCEPT.			
	,	the end of the	1000BASE items is	1000BASE-X.		C/ 30	SC 3	0.3.2.1.3	P 22	L 48	# 58
00	edRemedy					Grow,Rot		0.0.2.1.0	RMG Consultir		
		or "1000BASE				Comment		Е	Comment Status D	9	P802.3/D3.2 alignement
,	d Response POSED ACC	,	onse Status W				21	_	d of the 1000BASE items is 1	000BASE-X	0
		LI I.				Suggeste	dRemedv	/			
CI <b>30</b>	SC 30.3	.2.1.2	P 22	L <b>31</b>	# 55				0BASE-X"		
Grow,Ro	obert		RMG Consul	ting		Proposed	Respons	se	Response Status W		
inser	P802.3/D3.2, rting 10/2.5Gl	the start of 10	ment Status <b>D</b> GBASE list is after ' ugh P802.3cs/D3.2 o fix this).			-	POSED A				
Suggeste	edRemedy										
aft	ter the entry for	or "10/2.5GBA	SE-SP" (inserted by	IEEE Std 802.3	Bcs-202x) as follows:						
Proposed	d Response	Respo	onse Status 🛛 🛛 🛛 🛛 🛛 🗤								

Proposed Response Response PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line C/ 30 SC 30.3.2.1.3 Page 5 of 53 11/05/2022 18:42:55

CI <b>30</b>	SC 30.3.2.1.3	P 23	L7	# 59	C/ 30	SC 30.5.1.1	.2 P2	3 L 39	# 62
Grow,Rob	ert	RMG Consult	ing		Grow,Robe	ert	RMG	Consulting	
inserti	302.3/D3.2, the stand ng 10/2.5GBASE- ent has been subn	Comment Status D art of 10GBASE list is after " SP (though P802.3cs/D3.2 s nitted to fix this).			Suggested	02.3/D3.2, the Remedy	Comment Status end of the 1000BASE 1000BASE-XHD"	-	P802.3/D3.2 aligneme -XHD.
afte	r the entry for "10/2	2.5GBASE-SP" (inserted by	IEEE Std 80	2.3cs-202x) as follows:	Proposed I PROP	Response DSED ACCEP	Response Status T.	w	
•	Response OSED ACCEPT.	Response Status W			C/ 30	SC 30.5.1.1	.2 P2	3 L 48	# 63
C/ 30	SC 30.3.2.1.3	P 23	L 12	# 60	Grow,Robe	ert	RMG	Consulting	
Suggested	<i>Type</i> <b>E</b> 802.3/D3.2, the sta	RMG Consult Comment Status D int of 25GBASE list is after ": 10GBASE-SP"	0	P802.3/D3.2 alignement E-PQ".	insertir specifi Suggested	02.3/D3.2, the og 10/2.5GBAS es the wrong ir Remedy	Comment Status start of 10GBASE list i SE-SP1-Dx and 10/2.50 Isert point, a comment	s after "10/1GBASE BBASE-SP1-Uxy (th will be submitted to	fix this).
	Response OSED ACCEPT.	Response Status W			follows Proposed I PROP	-	Response Status T.	w	,
C/ <b>30</b> Grow,Rob	SC 30.3.2.1.3 ert	P 23 RMG Consult	L <b>17</b> ing	# 61	C/ 30	SC 30.5.1.1		- –	# 64
	302.3/D3.2, the sta	Comment Status <b>D</b> Int of the 50GBASE list is aft	er "50/25GB	P802.3/D3.2 alignement ASE-PQ"	Grow,Robe <i>Comment</i> Per P8	Гуре Е	Comment Status start of 25GBASE list i	-	P802.3/D3.2 alignemei E-PQX-U3".
	r the entry for "50/2	25GBASE-PQ"			Suggested after	-	25/10GBASE-PQX-U3'		
	Response OSED ACCEPT.	Response Status W			Proposed I	,	Response Status		

C/ 30 SC 30.5.1.1.2

C/ <b>30</b>	SC :	30.5.1.1.2	P 24	L 6	# 65	C/ 44	SC 44.1.1	P 25	L 19	# 261
row,Rob	bert		RMG Consulti	ng		Ran, Adee		Cisco		
Comment	t Type	Е	Comment Status D		P802.3/D3.2 alignement	Comment 7	Гуре Е	Comment Status D		Definitions
Per P	9802.3/D	3.2, the sta	rt of the 50GBASE list is afte	er "50/25GBA	ASE-PQX-U3"			bclause removes a list of PH		
Suggeste	dRemed	У						intaining lists is an editorial b which PHYs it pertains to is v		
afte	er the ent	try for "50/2	25GBASE-PQX-U3"			provide	d as early as l	oossible.		
Proposed PROF	•	se ACCEPT.	Response Status W			"10 Gig	abit Ethernet	moved, the resulting text as o uses the IEEE 802.3 MAC su	blayer, connected	through a 10 Gigabit
C/ 44	SC 4	44.1.1	P 25	L 19	# 223			nterface (XGMII) to one of a r just too wordy, and does not		
Lewis, Jo	n		Dell Technolo	gies		are def	ined in this sta	indard.		
Comment	t Type	Е	Comment Status D		P802.3/D3.2 alignement	A refer	ence to Table	44–1 would provide the nece	ssary list.	
			as changed from "Physical	Layer entities	s" to "Physical Layers". I	Suggestedl	Remedy			
Suggeste			sical Layer entities"					nber of 10 Gb/s Physical Lay is standard (see Table 44–1)		10 Gb/s Physical
Suggeste	dRemed	y	sical Layer entities" ence to " one of a number	of 10 Gb/s P	hysical Layer entities."		specified in th			10 Gb/s Physical
Suggester Chan Proposed	dRemed ge end o Respon	y of first sente se		of 10 Gb/s P	hysical Layer entities."	Layers Proposed F	specified in th	is standard (see Table 44–1) <i>Response Status</i> <b>W</b>		10 Gb/s Physical
Suggester Chan Proposed	dRemed ge end o Respon POSED /	y of first sente se ACCEPT.	ence to " one of a number Response Status W			Layers Proposed F	specified in th Response	is standard (see Table 44–1) <i>Response Status</i> <b>W</b>		# 10 Gb/s Physical # <u>262</u>
Suggester Chan Proposed PROF CI <b>44</b>	dRemed ge end o l Respon POSED / SC 4	y of first sente se	ence to " one of a number Response Status W P25	<i>L</i> 19	hysical Layer entities." # <u>66</u>	Layers Proposed F PROPO	specified in th Response DSED ACCEP	is standard (see Táble 44–1) <i>Response Status</i> <b>W</b> T.		
Suggester Chan Proposed PROF Cl 44 Grow,Rot	dRemed ge end o l Respon POSED / SC 4	y of first sente se ACCEPT. 44.1.1	ence to " one of a number Response Status W P <b>25</b> RMG Consulti	<i>L</i> 19	# [ <u>66</u>	Layers Proposed F PROPO CI 44 Ran, Adee Comment 1	specified in th Response DSED ACCEP SC 44.1.2	is standard (see Táble 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i> <b>25</b> Cisco <i>Comment Status</i> <b>D</b>	L 27	# 262 Text improvement
Suggester Chan Proposed PROF Cl 44 Grow,Rob Comment P802. edits	dRemed ge end o l Respon POSED / SC 4 bert t Type .3 ballotin also are	y of first sente se ACCEPT. 44.1.1 E ng has cha	P 25 RMG Consulti Comment Status D unged the base text ("entities the XGMII is part of the Phys	L <b>19</b> ng " replaced wi	# 66 P802.3/D3.2 alignement ith "devices (PHYs)". Our	Layers Proposed F PROPO CI 44 Ran, Adee Comment T "Suppo objectiv has no	specified in th Response DSED ACCEP SC 44.1.2 Type T ort operation ov re of clause 44 benefit for rea	is standard (see Table 44–1) <i>Response Status</i> W T. <i>P</i> <b>25</b> Cisco	<i>L</i> 27 omotive applicatio it now is arguably o not include "obje	# 262 Text improvement ns" had not been an changing history, and
Suggester Chan Proposed PROF Cl 44 Grow,Rot Comment P802. edits not ha	dRemed ge end o l Respon POSED / SC 4 bert t Type .3 ballotin also are ave been	y of first sente se ACCEPT. 44.1.1 E ng has cha incorrect (for a struck thr	P 25 RMG Consulti Comment Status D unged the base text ("entities the XGMII is part of the Phys	L <b>19</b> ng " replaced wi	# 66 P802.3/D3.2 alignement ith "devices (PHYs)". Our	Layers Proposed F PROPO CI 44 Ran, Adee Comment 1 "Suppo objectiv has no there is	specified in th Response DSED ACCEP SC 44.1.2 Type T rt operation ov ve of clause 44 benefit for rea s no need to m	is standard (see Table 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i> 25 Cisco <i>Comment Status</i> <b>D</b> ver optical fiber for use in autor when it was written. Adding ders. Since recent clauses d aintain or modify objectives in	<i>L</i> 27 omotive applicatio it now is arguably o not include "obje n older clauses.	# 262 Text improvemen ns" had not been an changing history, and ectives" clauses at all,
Suggester Chan Proposed PROF Cl 44 Grow,Rot Comment P802. edits not ha Suggester 10 Gin Media	dRemed ge end o l Respon POSED / SC 4 bert t Type .3 balloti also are ave been dRemed igabit Eth a Indepen	y of first sente se ACCEPT. 44.1.1 E ng has cha incorrect (f n struck thr y ernet uses ndent Inter	ence to " one of a number Response Status W P25 RMG Consulti Comment Status D inged the base text ("entities the XGMII is part of the Physologh. is the IEEE 802.3 MAC subla face (XGMII) to <start td="" under<=""><td>L 19 ng " replaced wi sical Layer) so yer, connecte score&gt;one of</td><td># <u>66</u> <i>P802.3/D3.2 alignement</i> ith "devices (PHYs)". Our o entities/devices should ed through a 10 Gigabit f a number of <end< td=""><td>Layers Proposed P PROP( Cl 44 Ran, Adee Comment 1 "Suppo objective has no there is There a</td><td>specified in the Response DSED ACCEP SC 44.1.2 Type T rt operation ov ve of clause 44 benefit for read is no need to m are other medit 100). Also, ot</td><td>is standard (see Table 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i>25 Cisco <i>Comment Status</i> <b>D</b> ver optical fiber for use in autu when it was written. Adding ders. Since recent clauses do</td><td><i>L</i> 27 omotive applicatio it now is arguably o not include "obje n older clauses. ee 44 and are not li</td><td># 262 Text improvement ns" had not been an changing history, and ectives" clauses at all, isted here, such as coax</td></end<></td></start>	L 19 ng " replaced wi sical Layer) so yer, connecte score>one of	# <u>66</u> <i>P802.3/D3.2 alignement</i> ith "devices (PHYs)". Our o entities/devices should ed through a 10 Gigabit f a number of <end< td=""><td>Layers Proposed P PROP( Cl 44 Ran, Adee Comment 1 "Suppo objective has no there is There a</td><td>specified in the Response DSED ACCEP SC 44.1.2 Type T rt operation ov ve of clause 44 benefit for read is no need to m are other medit 100). Also, ot</td><td>is standard (see Table 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i>25 Cisco <i>Comment Status</i> <b>D</b> ver optical fiber for use in autu when it was written. Adding ders. Since recent clauses do</td><td><i>L</i> 27 omotive applicatio it now is arguably o not include "obje n older clauses. ee 44 and are not li</td><td># 262 Text improvement ns" had not been an changing history, and ectives" clauses at all, isted here, such as coax</td></end<>	Layers Proposed P PROP( Cl 44 Ran, Adee Comment 1 "Suppo objective has no there is There a	specified in the Response DSED ACCEP SC 44.1.2 Type T rt operation ov ve of clause 44 benefit for read is no need to m are other medit 100). Also, ot	is standard (see Table 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i> 25 Cisco <i>Comment Status</i> <b>D</b> ver optical fiber for use in autu when it was written. Adding ders. Since recent clauses do	<i>L</i> 27 omotive applicatio it now is arguably o not include "obje n older clauses. ee 44 and are not li	# 262 Text improvement ns" had not been an changing history, and ectives" clauses at all, isted here, such as coax
Suggester Chan Proposed PROF Cl 44 Grow,Rot Comment P802. edits not ha Suggester 10 Gir Media under	dRemed ge end o l Respon POSED / SC 4 bert t Type .3 ballotin also are ave been dRemed gabit Eth a Indepen rscore>1	y of first sente se ACCEPT. 44.1.1 E ng has cha incorrect (f o struck thr y ernet uses ndent Inter 0 Gb/s Phy	ence to " one of a number Response Status W P25 RMG Consulti Comment Status D inged the base text ("entities the XGMII is part of the Physiough. the IEEE 802.3 MAC subla face (XGMII) to <start under<br="">ysical Layer devices (PHYs)</start>	L 19 ng " replaced wi sical Layer) so yer, connecte score>one of <start striketi<="" td=""><td># 66 P802.3/D3.2 alignement ith "devices (PHYs)". Our o entities/devices should ed through a 10 Gigabit f a number of <end hrogh&gt; such as 10GBASE-</end </td><td>Layers Proposed F PROP( Cl 44 Ran, Adee Comment T "Suppo objectiv has no there is There a (clause</td><td>specified in th Response DSED ACCEP SC 44.1.2 Sype T rt operation ov re of clause 44 benefit for rea is no need to m are other medi 100). Also, ot ives".</td><td>is standard (see Table 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i>25 Cisco <i>Comment Status</i> <b>D</b> ver optical fiber for use in autor when it was written. Adding ders. Since recent clauses d aintain or modify objectives in a that are supported by claus</td><td><i>L</i> 27 omotive applicatio it now is arguably o not include "obje n older clauses. ee 44 and are not li</td><td># [262 Text improvement ns" had not been an changing history, and ectives" clauses at all, isted here, such as coax</td></start>	# 66 P802.3/D3.2 alignement ith "devices (PHYs)". Our o entities/devices should ed through a 10 Gigabit f a number of <end hrogh&gt; such as 10GBASE-</end 	Layers Proposed F PROP( Cl 44 Ran, Adee Comment T "Suppo objectiv has no there is There a (clause	specified in th Response DSED ACCEP SC 44.1.2 Sype T rt operation ov re of clause 44 benefit for rea is no need to m are other medi 100). Also, ot ives".	is standard (see Table 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i> 25 Cisco <i>Comment Status</i> <b>D</b> ver optical fiber for use in autor when it was written. Adding ders. Since recent clauses d aintain or modify objectives in a that are supported by claus	<i>L</i> 27 omotive applicatio it now is arguably o not include "obje n older clauses. ee 44 and are not li	# [262 Text improvement ns" had not been an changing history, and ectives" clauses at all, isted here, such as coax
Suggester Chan Proposed PROF Cl 44 Grow,Rot Comment P802. edits not ha Suggester 10 Gig Media under SR, 1	dRemed ge end o l Respon POSED / SC 4 bert t Type 3 ballotin also are ave been dRemed gabit Eth a Indepen rscore>1 0GBASE	y of first sente se ACCEPT. 44.1.1 E ng has cha incorrect (f n struck thru y nernet uses ndent Inter 0 Gb/s Phy E-LX4, 10G	ence to " one of a number Response Status W P25 RMG Consulti Comment Status D inged the base text ("entities the XGMII is part of the Physologh. is the IEEE 802.3 MAC subla face (XGMII) to <start td="" under<=""><td>L 19 ng " replaced wi sical Layer) so yer, connecte score&gt;one of <start strikett<br="">1, 10GBASE-</start></td><td># 66 P802.3/D3.2 alignement ith "devices (PHYs)". Our o entities/devices should ed through a 10 Gigabit f a number of <end hrogh&gt; such as 10GBASE- LR, 10GBASE-ER,</end </td><td>Layers Proposed F PROPO CI 44 Ran, Adee Comment T "Suppo objective has no there is There a (clause "object Suggested</td><td>specified in th Response DSED ACCEP SC 44.1.2 Type T of operation ov ve of clause 44 benefit for read on need to m are other media 100). Also, ot ives". Remedy</td><td>is standard (see Table 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i>25 Cisco <i>Comment Status</i> <b>D</b> ver optical fiber for use in autor when it was written. Adding ders. Since recent clauses d aintain or modify objectives in a that are supported by claus</td><td><i>L</i> 27 Domotive applicatio it now is arguably o not include "obje n older clauses. The 44 and are not l lified by this draft of</td><td># [262 Text improvemen ns" had not been an changing history, and ectives" clauses at all, isted here, such as coax</td></start>	L 19 ng " replaced wi sical Layer) so yer, connecte score>one of <start strikett<br="">1, 10GBASE-</start>	# 66 P802.3/D3.2 alignement ith "devices (PHYs)". Our o entities/devices should ed through a 10 Gigabit f a number of <end hrogh&gt; such as 10GBASE- LR, 10GBASE-ER,</end 	Layers Proposed F PROPO CI 44 Ran, Adee Comment T "Suppo objective has no there is There a (clause "object Suggested	specified in th Response DSED ACCEP SC 44.1.2 Type T of operation ov ve of clause 44 benefit for read on need to m are other media 100). Also, ot ives". Remedy	is standard (see Table 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i> 25 Cisco <i>Comment Status</i> <b>D</b> ver optical fiber for use in autor when it was written. Adding ders. Since recent clauses d aintain or modify objectives in a that are supported by claus	<i>L</i> 27 Domotive applicatio it now is arguably o not include "obje n older clauses. The 44 and are not l lified by this draft of	# [262 Text improvemen ns" had not been an changing history, and ectives" clauses at all, isted here, such as coax
Suggester Chan Proposed PROF Cl 44 Grow,Rot Comment P802. edits not ha Suggester 10 Gin Media under SR, 1 10GB	dRemed ge end o l Respon POSED / SC 4 bert t Type 3 ballotin also are ave been dRemed gabit Eth a Indepen rscore>1 0GBASE	y of first sente se ACCEPT. 44.1.1 E ng has cha incorrect (f n struck thru y mernet uses ndent Inter 0 Gb/s Phy E-LX4, 10G V, 10GBAS	P 25 RMG Consulti Comment Status D Inged the base text ("entities the XGMII is part of the Physologh. the IEEE 802.3 MAC subla face (XGMII) to <start under<br="">vsical Layer devices (PHYs) BASE-CX4, 10GBASE-LRM</start>	L 19 ng " replaced wi sical Layer) so yer, connecte score>one of <start strikett<br="">1, 10GBASE-</start>	# 66 P802.3/D3.2 alignement ith "devices (PHYs)". Our o entities/devices should ed through a 10 Gigabit f a number of <end hrogh&gt; such as 10GBASE- LR, 10GBASE-ER,</end 	Layers Proposed F PROPO CI 44 Ran, Adee Comment T "Suppo objective has no there is There a (clause "object Suggested	specified in the Response DSED ACCEP SC 44.1.2 Type T rt operation ov ve of clause 44 benefit for read is no need to m are other media 100). Also, ot ives". Remedy the editorial in	is standard (see Table 44–1) <i>Response Status</i> <b>W</b> T. <i>P</i> 25 Cisco <i>Comment Status</i> <b>D</b> ver optical fiber for use in autu when it was written. Adding ders. Since recent clauses do aintain or modify objectives in a that are supported by claus her introduction clauses mod	<i>L</i> 27 Domotive applicatio it now is arguably o not include "obje n older clauses. The 44 and are not l lified by this draft of	# [262 Text improvement ns" had not been an changing history, and ectives" clauses at all, isted here, such as coax

#### Proposed Response Response Status W

PROPOSED ACCEPT.

### PROPOSED ACCEPT.

CI 44 SC 44.1.2

CI <b>44</b>	SC 44.1.4.4	P 28	L <b>9</b>	# 67	C/ <b>45</b>	SC 45.2.1.15	i8a.1	P 31	L 27	# 137	
Grow,Robert	t	RMG Consulti	ng		Pérez-Ar	anda, Rubén	KI	DPOF			
Comment Ty	rpe E	Comment Status D		E	Z Commen		Comment Sta				ΕZ
Base tex	t error.				Indic	ation of 10GBASE	-AU encoding is r	not consister	nt with others.		
SuggestedRe	emedy				Suggeste	edRemedy					
The strik	ethrough "and"	belongs after "Clause 68,".				nge "When these b					th
Proposed Re	esponse	Response Status W				en these bits are s			eration is TUGBA	ISE-AU	
PROPOS	SED ACCEPT.					d Response POSED ACCEPT	Response Stat	us <b>w</b>			
C/ 45	SC 45.2.1	P 29	L <b>25</b>	# 68							
Grow,Robert	t	RMG Consulti	ng		C/ <b>45</b>	SC 45.2.3.87		P35	L 35	# 138	
Comment Ty	pe E	Comment Status D		E	=Z	anda, Rubén		DPOF			
0	marking arror/ir	nconsistency. Make style of o	change marking	the same on rows 25	Commen	51	Comment Sta				EZ
Change	marking enoi/ii	noonolotonoy. Make olyie of c									
and 38.	marking enoi/ii	inconsistency. Make style of t					ed receiver sensiti				
	0				PHY	This test pattern	is intended to be g	generated b	y an external tes		
and 38. S <i>uggestedRe</i> Delete th	e <i>medy</i> ne comma and s	space after "1.72, " also "1.73	8" should be und		PHY to ge	This test pattern nerate a signal co	is intended to be g	generated b	y an external tes		
and 38. SuggestedRe Delete th consister	e <i>medy</i> ne comma and s nt strikethroug	space after "1.72, " also "1.73 gh 1.901 followed by underlin	8" should be und		PHY to ge <i>Suggeste</i>	This test pattern nerate a signal co edRemedy	is intended to be g nditioned for rece	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re	emedy ne comma and s nt strikethroug esponse	space after "1.72, " also "1.73	8" should be und		PHY to ge <i>Suggeste</i> Rem	This test pattern nerate a signal co edRemedy ove 1 1 0 assignm	is intended to be on nditioned for rece nent of table 45–3	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re	e <i>medy</i> ne comma and s nt strikethroug	space after "1.72, " also "1.73 gh 1.901 followed by underlin	8" should be und		PHY to ge Suggeste Rem Proposed	This test pattern onerate a signal co odRemedy ove 1 1 0 assignm d Response	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re	emedy ne comma and s nt strikethroug esponse	space after "1.72, " also "1.73 gh 1.901 followed by underlin	8" should be und		PHY to ge Suggeste Rem Proposed	This test pattern nerate a signal co edRemedy ove 1 1 0 assignm	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re PROPOS	emedy ne comma and s nt strikethroug esponse SED ACCEPT. SC <b>45.2.1</b>	space after "1.72, " also "1.73 gh 1.901 followed by underlin <i>Response Status</i> <b>W</b>	3" should be und le 1.902.	lerlined. Make line 38	PHY to ge Suggeste Rem Proposed	This test pattern onerate a signal co odRemedy ove 1 1 0 assignm d Response	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re PROPOS	emedy ne comma and s nt strikethroug esponse SED ACCEPT. SC <b>45.2.1</b> , Marek	space after "1.72, " also "1.73 gh 1.901 followed by underlin <i>Response Status</i> <b>W</b> <i>P</i> <b>29</b>	3" should be und le 1.902.	lerlined. Make line 38 # <u>16</u>	PHY to ge Suggeste Rem Proposed	This test pattern onerate a signal co odRemedy ove 1 1 0 assignm d Response	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re PROPOS CI <b>45</b> Hajduczenia Comment Ty	emedy ne comma and s nt strikethroug esponse SED ACCEPT. SC <b>45.2.1</b> , Marek pe <b>ER</b>	space after "1.72, " also "1.73 gh 1.901 followed by underlin <i>Response Status</i> <b>W</b> <i>P</i> <b>29</b> Charter Comm	3" should be und le 1.902.	lerlined. Make line 38 # <u>16</u>	PHY to ge Suggeste Rem Proposed PRO	This test pattern onerate a signal co odRemedy ove 1 1 0 assignm d Response	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re PROPOS CI <b>45</b> Hajduczenia Comment Ty Wrong e precedin	emedy ne comma and s nt strikethroug esponse SED ACCEPT. SC <b>45.2.1</b> , Marek pe <b>ER</b> ditorial markup g ","	space after "1.72, " also "1.73 gh 1.901 followed by underlin <i>Response Status</i> <b>W</b> <i>P</i> <b>29</b> Charter Comm <i>Comment Status</i> <b>D</b> in Table 45–3. "1.73" should	3" should be und be 1.902. <i>L</i> <b>25</b> hunications be underlined, a	lerlined. Make line 38 # <u>16</u>	PHY to ge Suggeste Rem Proposed PRO	This test pattern onerate a signal co odRemedy ove 1 1 0 assignm d Response	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re PROPOS C/ 45 Hajduczenia Comment Ty Wrong e precedin Wrong e	emedy ne comma and s nt strikethroug esponse SED ACCEPT. SC <b>45.2.1</b> , Marek pe <b>ER</b> ditorial markup g ","	space after "1.72, " also "1.73 gh 1.901 followed by underlin <i>Response Status</i> <b>W</b> <i>P</i> <b>29</b> Charter Comm <i>Comment Status</i> <b>D</b> in Table 45–3. "1.73" should in Table 45–3. "902" should I	3" should be und be 1.902. <i>L</i> <b>25</b> hunications be underlined, a	lerlined. Make line 38 # <u>16</u>	PHY to ge Suggeste Rem Proposed PRO	This test pattern onerate a signal co odRemedy ove 1 1 0 assignm d Response	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re PROPOS C/ 45 Hajduczenia Comment Ty Wrong e precedin Wrong e	emedy ne comma and s nt strikethroug sponse SED ACCEPT. SC <b>45.2.1</b> , Marek gre <b>ER</b> ditorial markup g "," ditorial markup e two Table 45-	space after "1.72, " also "1.73 gh 1.901 followed by underlin <i>Response Status</i> <b>W</b> <i>P</i> <b>29</b> Charter Comm <i>Comment Status</i> <b>D</b> in Table 45–3. "1.73" should in Table 45–3. "902" should I	3" should be und be 1.902. <i>L</i> <b>25</b> hunications be underlined, a	lerlined. Make line 38 # <u>16</u>	PHY to ge Suggeste Rem Proposed PRO	This test pattern onerate a signal co odRemedy ove 1 1 0 assignm d Response	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re PROPOS CI 45 Hajduczenia Comment Ty Wrong e precedin Wrong e There an SuggestedRe	emedy ne comma and s nt strikethroug sponse SED ACCEPT. SC <b>45.2.1</b> , Marek gre <b>ER</b> ditorial markup g "," ditorial markup e two Table 45-	space after "1.72, " also "1.73 gh 1.901 followed by underlin <i>Response Status</i> <b>W</b> <i>P</i> <b>29</b> Charter Comm <i>Comment Status</i> <b>D</b> in Table 45–3. "1.73" should in Table 45–3. "902" should I -3 instances.	3" should be und be 1.902. <i>L</i> <b>25</b> hunications be underlined, a	lerlined. Make line 38 # <u>16</u>	PHY to ge Suggeste Rem Proposed PRO	This test pattern onerate a signal co odRemedy ove 1 1 0 assignm d Response	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		
and 38. SuggestedRe Delete th consister Proposed Re PROPOS CI 45 Hajduczenia Comment Ty Wrong e precedin Wrong e There an SuggestedRe	emedy ne comma and s nt strikethroug sponse SED ACCEPT. SC 45.2.1 , Marek pe ER ditorial markup g "," ditorial markup e two Table 45- emedy x the editorial is	space after "1.72, " also "1.73 gh 1.901 followed by underlin <i>Response Status</i> <b>W</b> <i>P</i> <b>29</b> Charter Comm <i>Comment Status</i> <b>D</b> in Table 45–3. "1.73" should in Table 45–3. "902" should I -3 instances.	3" should be und be 1.902. <i>L</i> <b>25</b> hunications be underlined, a	lerlined. Make line 38 # <u>16</u>	PHY to ge Suggeste Rem Proposed PRO	This test pattern onerate a signal co odRemedy ove 1 1 0 assignm d Response	is intended to be on nditioned for recent nent of table 45–3 Response Stat	generated b iver stresse	y an external tes		

C/ 45 SC 45.2.3.87c

C/ <b>45</b>	SC 45.2	3.87c	P 37	L 32	# 285	C/ <b>45</b>	SC	45.2.3.87c		P 37	L 35	# 286
orres, L	uisma		KDPOF			Torres, Lu	uisma		K	DPOF		
ommen	t Type E	С	omment Status D		OAM capability	Comment	Туре	Е	Comment Sta	atus D		EEE capabilit
			ter is about the capabil ity of the remote node A								ity of the remote ND that such ab	
Suggeste	dRemedy					Suggested	dRemed	dy				
Repl	ace "ability" w	ith "capab	ility" in the "Name" colu	umn"		Repla	ice "abil	ity" by "capa	ability" in the "N	ame" colur	nn"	
roposed	l Response	Re	esponse Status 🛛 🛛 🛛 🛛 🛛 🛛 🗤			Proposed	Respor	nse	Response Sta	tus <b>W</b>		
Repl	POSED ACC ace "ability" w .2.1.245.5.			" column", in line	with the meaning used	Repla		ity" with "ad	N PRINCIPLE. vertisement" in	the "Name	" column", in line	with the meaning used
Capa 7.33.		in other 80	02.3 subclauses as a s	ynonym for ability	/ (i.e., bit 7.33.5 and	Capat 7.33.4		used in othe	er 802.3 subclau	uses as a s	ynonym for ability	/ (i.e., bit 7.33.5 and
	titute in the "I E-U OAM ad		umn of Table 45-313c ( nt enable"	p.35 l.45) "BASE	-U OAM enable" by			the "Name" nt enable"	column of Tabl	e 45-313c (	(p.35 l.47) "EEE e	enable" with "EEE
OAM	functionality"	by "Enab	n" column of Table 45-3 le advertisement of BA ble advertisement of BA	SE-U OAM ability	y <sup>"</sup> and "Disable BASE-U	with "	'Enable		ent of EEE abili		313c (p.35 l.47-48 sable LPI mode"	3) "Enable LPI mode" with "Disable
Repl	ace (p36 I.20)	"BASE-U	OAM enable" with "BA	SE-U OAM adve	ertisement enable"							J PHY EEE capability tisement of local PHY
"BAS	E-U OAM ca	pability sha		e field PHD.CAP.	nabled in (p.134 l.53): .OAM (see Table 166-2)	ÈEE c	capabilit	ty (see 166.	4)."			
of bo	th, the transm	itted and	received PHD, are equ	al to 1."		Repla	ice (p.36	6 I.28 and I.3	32) "EEE enabl	e" with "EE	E advertisement	enable".
Add	PICS accordii	ngly.				CI <b>45</b>	SC	45.2.3.87c.	.1	P 36	L <b>3</b>	# 238
Deal						Slavick, Je	eff		В	roadcom		
	ace p.36 I.25 rtisement ena		in a BASE-U OAM ena	ible" with "Chang	les in a BASE-U OAM	Comment Overly succir	y wordy	T description	Comment Sta of the field. U		sub-clause desc	Text improvement ption to be more
						Suggested	dRemed	dy				
						Bits 3. operat	.2348.1 tion. S	5:13 shall h	the BASE-U PC			nal BASE-U PCS bed in 166.5 are
						Proposed	Respor	nse	Response Sta	tus W		

C/ 45 SC 45.2.3.87c.1

C/ <b>45</b>	SC 45.2.3.	87c.1 P3	6 L 3	# 283
Pérez-Aran	da, Rubén	KDP	DF	
Comment T	ype TR	Comment Status	D	Registers effect

It is expected that any realistic implementation of a 802.3cz compliant PHY will require a reset before change of the operation mode configuration takes effect in the HW. This is specified for the case of BER test mode in subclause 166.5.1, however, requirement of reset is not specified for the other operation modes corresponding to the test patterns used in for PMD testing.

#### SuggestedRemedy

Add at the end of the subclause (line 12): "Changes in operation mode value shall only take effect after a PMA reset (see 166.3.4.1)". Remove "The operating mode of the transmitter is encoded in the field PHD.TX.NEXT.MODE and selected at PMA reset, and does not change unless a PMA reset takes place. " from 166.5.1 (page 108, lines 22 and 23).

Proposed Response Response Status W

#### PROPOSED ACCEPT.

C/ <b>45</b>	SC	45.2.3.87	7c.1 P36	L 11	# 139
Pérez-Ar	anda, Ri	ubén	KDPOF		
Commen	t Type	TR	Comment Status D		EZ

Test pattern for stressed receiver sensitivity measurement is not a valid test pattern for a PHY. This test pattern is intended to be generated by an external test equipment calibrated to generate a signal conditioned for receiver stressed sensitivity.

### SuggestedRemedy

Remove "A value 0b110 in bits 3.2348.15:13 shall select the test pattern for stressed receiver sensitivity measurement transmission as specified in Table 45–313c with behavior as specified in 166.5.6."

### Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 45	SC	45.2.3.8	7c.2 P36	L16	# 284
Pérez-Ar	anda, Ru	ubén	KDPOF		
Commen	t Type	TR	Comment Status D		Registers effect

It is expected that any realistic implementation of a 802.3cz compliant PHY will require a reset before change of the loopback mode configuration takes effect in the HW.

### SuggestedRemedy

Add at the end of the subclause (line 18): "Changes in loopback mode value shall only take effect after a PMA reset (see 166.3.4.1)"

	Proposed Response	Response Status	w
--	-------------------	-----------------	---

PROPOSED ACCEPT.

C/ <b>45</b>	SC 45.2.3.8	7c.2 P36	L 18	# 140
Pérez-Ar	anda, Rubén	KDPOF		
Commen		Comment Status D		EZ
Suggeste	dRemedy	consistent with number of bi		n 3.2348.15:13"
•	Response POSED ACCEP	Response Status W		
C/ 45	SC 45.2.3.8	7c.2 P36	L 18	# 239
Slavick,	leff	Broadcom		
Comment Short	t <i>Туре</i> <b>т</b> :а0.	Comment Status D		EZ
	<i>dRemedy</i> ted the 0b00 to (	b000 inside the paranthesis	of the last senten	ce.
•	l Response POSED ACCEP <sup>-</sup>	Response Status W		
CI 45	SC 45.2.3.8	7c.3 P36	L 20	# 242
Slavick, J	leff	Broadcom		
Comment	t Type <b>TR</b>	Comment Status D		Registers effect

There is no reflection of what the current operating mode of OAM. 3.2348.1 only takes affect after a pmd\_reset, so how do you tell if the current state of the enable bit represents the opereation state?

### SuggestedRemedy

Add a new BASE-U OAM status field that reflects the current operating state of OAM mode.

Proposed Response Response Status W

### PROPOSED REJECT.

According to 166.11 (with references to 115.9), BASE-U OAM channel is established when both link partners transmits PHD.CAP.OAM = 1, which indicates both partners have the optional ability of OAM channel and it is enabled. The status of the PHD operation is reported to any attached STA by the PHD lock status bit (3.2349.10) and the local and remote PHD reception status bits (3.2349.11 and 3.2349.12). Once the PHD bidirectional communication is indicated reliable, register BASE-U OAM enable (3.2348.1) and Remote BASE-U OAM ability (3.2349.3) can be used to determine the OAM is operative. If both registers value 1, then bidirectional OAM communication is operative. The attached STA may change the register BASE-U OAM enable (3.2348.1) without PMA reset. In such a case, the read values of the register does not longer reflect current status of OAM channel. However, in this case, it is responsibility of the STA to maintain consistency of operations through write operations to the MDIO registers.

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

CI	45	Page 10 of 53					
SC	45.2.3.87c.3	11/05/2022 18:42:55					

C/ <b>45</b>	SC 45.2.3.87c	.3 P36	L 23	# 240		C/ <b>45</b>	SC 45.	2.3.87d.11	P 38	L <b>32,34</b>	# 287
Slavick, Je	eff	Broadcom				Torres, Lu	isma		KDPOF		
Comment T	Туре Т	Comment Status D			EZ	Comment	Туре Е	C	omment Status D		OAM capabili
		y reference should be to its	sub-clause						ter is about the capabili ty of the remote node A		
Suggested	•	0, see Table 45-313d" to "se	0 45 2 3 87d 13"			Suggested	Remedy				
0		•	e 43.2.3.070.13			Replac	ce "ability"	with "capab	ility". Also in line 34.		
Proposed F PROP	OSED ACCEPT.	Response Status W				Proposed I	,	Re CEPT IN PI	esponse Status W		
C/ <b>45</b>	SC 45.2.3.87c	.4 P36	L 28	# 243					tisement" in line 32 and	34.	
Slavick, Je	eff	Broadcom							at I.34 with "Bit 3.2349.3		
Comment 7	Type <b>TR</b>	Comment Status D		Registers	seffect				the PHD field PHD.CAF oth that the remote PH		
	manal manak as has	w do vou tell if the current s	state of the enable	e bit represents the	е				t is enabled. When read		
operati	ion state?			·				disabled."	ot have BASE-U OAM a	adility of that BASE	U UAM
operati S <i>uggested</i>	ion state? Remedy	E status field that relfects the		·			isement is		P 38	L 39	# 288
operati S <i>uggested</i>	ion state? / <i>Remedy</i> new BASE-U EEE	·		·		adverti	isement is SC 45.	disabled."		•	
operati Suggested Add a Proposed F	ion state? / <i>Remedy</i> new BASE-U EEE	E status field that relfects the		·		adverti C/ <b>45</b>	isement is SC <b>45</b> . isma	disabled." 2.3.87d.12	P 38	•	
operati Suggested Add a Proposed F PROPO EEE ca	ion state? / <i>Remedy</i> new BASE-U EEI Response OSED REJECT.	E status field that relfects the <i>Response Status</i> <b>W</b> jed in MDIO with registers p	e current operatir	ng state of EEE mo	ode.	adverti C/ <b>45</b> Torres, Lui Comment The fui	isement is SC <b>45</b> . isma <i>Type</i> <b>E</b> nctionality	disabled." 2.3.87d.12 C of the regis	<i>Р</i> <b>38</b> КDPOF	L <b>39</b> ity of the remote B	# 288 EEE capabili ASE-U EEE,
operati Suggested Add a Proposed F PROPO EEE ca OAM. S	ion state? <i>Remedy</i> new BASE-U EEF Response OSED REJECT. apability is manag See response to o	E status field that relfects the <i>Response Status</i> <b>W</b> Jed in MDIO with registers proceed in the state of the	e current operatir arallel to those u	ng state of EEE mo	ode.	adverti C/ <b>45</b> Torres, Lui Comment The fui	SC 45. SC 45. isma <i>Type</i> E nctionality stood as th	disabled." 2.3.87d.12 C of the regis	P 38 KDPOF omment Status D ter is about the capabili	L <b>39</b> ity of the remote B	# 288 EEE capabili ASE-U EEE,
operati Suggested Add a Proposed F PROPO EEE ca OAM.S	ion state? Remedy new BASE-U EER Response OSED REJECT. apability is manag See response to o SC <b>45.2.3.87c</b>	E status field that relfects the <i>Response Status</i> <b>W</b> ged in MDIO with registers pro- comment #242.	e current operatir	ng state of EEE mo	ode.	adverti CI 45 Torres, Lui Comment The fu unders Suggested	isement is SC 45. isma Type E nctionality stood as th IRemedy	disabled." 2.3.87d.12 C of the regis e EEE abili	P 38 KDPOF omment Status D ter is about the capabili	L <b>39</b> ity of the remote B	# 288 EEE capabili ASE-U EEE,
operati Suggested Add a Proposed F PROPO EEE ca OAM. C/ <b>45</b> Slavick, Je	ion state? Remedy new BASE-U EEB Response OSED REJECT. apability is manag See response to o SC <b>45.2.3.87c</b>	E status field that relfects the <i>Response Status</i> <b>W</b> ged in MDIO with registers promment #242. <b>A P36</b> Broadcom	e current operatir arallel to those u	ng state of EEE mo	ode. \SE-U	adverti CI 45 Torres, Lui Comment The fu unders Suggested	<i>SC</i> 45. isma <i>Type</i> E nctionality stood as th <i>Remedy</i> ce "ability"	disabled." 2.3.87d.12 C of the regis e EEE abili by "capabil	P 38 KDPOF omment Status D ter is about the capabili y of the remote node A	L <b>39</b> ity of the remote B	# 288 EEE capabili ASE-U EEE,
operati Suggested Add a Proposed F PROPC EEE ca OAM. S C/ 45 Slavick, Je Comment 7	ion state? Remedy new BASE-U EER Response OSED REJECT. apability is manag See response to o SC 45.2.3.87c off Type T	E status field that relfects the <i>Response Status</i> <b>W</b> ged in MDIO with registers pro- comment #242.	e current operatir arallel to those u <i>L</i> 32	ng state of EEE mo	ode.	adverti C/ 45 Torres, Lui Comment The fu unders Suggested Replac Proposed I PROP	SC 45. SC 45. isma Type E nctionality stood as th Remedy ce "ability" Response OSED AC	disabled." 2.3.87d.12 C of the regis e EEE abili by "capabil	P 38 KDPOF omment Status D ter is about the capabili y of the remote node A ty". Also in line 41 sponse Status W RINCIPLE.	L <b>39</b> ity of the remote B	# 288 EEE capabili ASE-U EEE,
operati Suggested Add a Proposed F PROPO EEE ca OAM.S CI 45 Slavick, Je Comment T The EE	ion state? Remedy new BASE-U EER Response OSED REJECT. apability is manag See response to o SC 45.2.3.870 off Type T EE ability reference	E status field that relfects the <i>Response Status</i> <b>W</b> yed in MDIO with registers pro- comment #242. <b>:.4</b> <i>P</i> <b>36</b> Broadcom <i>Comment Status</i> <b>D</b>	e current operatir arallel to those u <i>L</i> 32	ng state of EEE mo	ode. \SE-U	adverti CI 45 Torres, Lui Comment The fu unders Suggested Replac Proposed I PROP Replac	isement is SC 45. isma Type E nctionality stood as the <i>IRemedy</i> ce "ability" <i>Response</i> OSED AC ce "ability"	disabled." 2.3.87d.12 c of the regis e EEE abili by "capabil Re CEPT IN PI with "adver	P 38 KDPOF omment Status D ter is about the capabili by of the remote node A ty". Also in line 41 esponse Status W RINCIPLE. tisement".	L <b>39</b> ity of the remote B ND that such abili	# 288 EEE capabili ASE-U EEE, ty is enabled.
operati Suggested Add a Proposed F PROPO EEE ca OAM.S C/ 45 Slavick, Je Comment T The EE Suggested	ion state? Remedy new BASE-U EER Response OSED REJECT. apability is manag See response to o SC 45.2.3.870 Sff Type T EE ability reference Remedy	E status field that relfects the <i>Response Status</i> <b>W</b> yed in MDIO with registers pro- comment #242. <b>:.4</b> <i>P</i> <b>36</b> Broadcom <i>Comment Status</i> <b>D</b>	e current operatir arallel to those u <i>L</i> 32 e	ng state of EEE mo sed to manage BA # 2 <u>41</u>	se-U	adverti Cl 45 Torres, Lui Comment The fu unders Suggested Replac Proposed I PROP Replac	isement is SC 45. isma Type E nctionality stood as the lRemedy ce "ability" Response OSED AC ce "ability" ce the para	disabled." 2.3.87d.12 c of the regis e EEE abili by "capabil Re CEPT IN PI with "adver graph begi	P 38 KDPOF omment Status D ter is about the capabili y of the remote node A ty". Also in line 41 sponse Status W RINCIPLE.	<i>L</i> <b>39</b> ity of the remote B ND that such abilit 2349.2 indicates t	# 288 EEE capabili ASE-U EEE, ty is enabled.

C/ 45 SC 45.2.3.87d.12

C/ 45	SC 45.2.3.87g	P 39	L 51	# 141	C/ 78	SC	78.1.4	P 44	L16	# 69
Pérez-Ara	inda, Rubén	KDPOF			Grow,Robe	rt		RMG Consult	ting	
Comment	Type ER	Comment Status D		IEEE-SA Style	Comment T	ype	Е	Comment Status D		P802.3/D3.2 alignemer
	tion of BER test m counter (3.2352.1	ode counter bits should be ii 5:0)"	n a sub-section '	45.2.3.87g.1 BER test	unhapy	with, b	because l	ranged per P802.3/D3.0 com do not for example know for	sure where to	insert 25GBASE-AU and
Suggested	dRemedy				1. Incre	asing	speed.	esolution requires an adjustm		
Proposed	Response POSED REJECT.	Response Status W			3. Decre The follo 4. PHY	easing owing "family	number suppleme / designa	ental rules address are includ tions, by convention, are assi	ed to address igned a reach	special cases
"Claus	ses and subclause	s Style Manual (p.24): s should be divided into furtl example, Clause 1 should r				anume	ric sort (a	ede "Fiber" PHYs (all else be Il else being equal)	ing equal)	
C/ 45	SC 45.2.3.87h		L 27	# 142	2.5ĞBA	SE-T1	l, insert a	SE-AU and 50GBASE-AU b row for 5GBASE-AU after 50 insert a row for 25GBASE-A	GBASE-T1, ins	sert a row for 10GBASE-
	nda, Rubén	KDPOF						40GBASE-T in Table 78–1 a		
Comment	51	Comment Status D	and the first starts	EZ	Proposed R	espon	se	Response Status W		
		deword error counter bits sh counter (3.2353.15:0)"	ouid be in a sub	-section "45.2.3.87h.1	PROPC	SED /	ACCEPT	IN PRINCIPLE.		
Suggested	dRemedy				Follow F	P802 3	3/D3 0 coi	nment # I-52:		
Per co	omment				1. Incre					
Proposed	Response	Response Status W						ximum supported distance o	ver the mediu	m).
,	OSED ACCEPT.						number suppleme	ental rules address are includ	ed to address	special cases
					4. PHY	"family	/ designa	tions, by convention, are assi	igned a reach	
								ede "Fiber" PHYs (all else be Il else being equal)	ing equal)	
					0. Alpha		10 3011 (8	i cisc beilig equal		
					AU afte 25GBA	r 5GB/ SE-AU	ASE-T1, i I after 250	ow for 2.5GBASE-AU after 2 nsert a row for 10GBASE-AU GBASE-KR, and insert a row	l after 10GBA for 50GBASE	SE-T1, insert a row for

C/ 78 SC 78.1.4

Table 78–1 as follows (unchanged rows not shown):"

C/ 78	SC 78.1.4	P <b>44</b>	L 48	# 70	C/ 105	SC	105	P 46	L 10	# 71	
Grow,Rob	ert	RMG Consul	lting		Grow,Rob	ert		RMG Consulting	g		
Comment	Туре Е	Comment Status D		P802.3/D3.2 alignement	Comment	Туре	Е	Comment Status D		EZ	
I think	Table 78- 5 is a	lso arranged per P802.3/D3.0	) comment # I-52	2.				signed an amendment number,			
Suggested	Remedy						-	ant overlap in things edited by F	802.3cy and	d P802.3cz.	
		ASE-AU and 50GBASE-AU b			Suggested		-				
		a row for 5GBASE-AU after 5 ), insert a row for 25GBASE-A						P802.3cy also modifies clause mes P802.3cz will preceed P80			
		GBASE-KR in Table 78–1 as			Proposed			Response Status W	2.009 11 4110		
Proposed I	Response	Response Status W	·	- /	•		ACCEPT	•			
PROP	OSED ACCEPT	IN PRINCIPLE.				OOLD	NOOEI I				
Denley					C/ 105	SC	105.5	P <b>50</b>	L 12	# 76	
		row for 2.5GBASE-AU after 2 insert a row for 10GBASE-AU			Grow,Rob	ert		RMG Consulting	g		
25GBA	ASE-AU after 25	GBASE-KR, and insert a row	for 50GBASE-A		Comment	Туре	Е	Comment Status D		P802.3/D3.2 alignement	
Table	78–1 as follows	(unchanged rows not shown)	):"		lt isn't	clear w	vhat the s	ort order is for Table 105-3.			
CI 78	SC 78.5	P 45	L <b>9</b>	# 263	Suggested	Reme	dy				
Ran, Adee		Cisco				ange re rt ordei		led, editor's guess is as good a	s mine unles	ss someone else knows	
Comment		Comment Status D		EZ	Proposed	Respoi	nse	Response Status W			
	er PHYs over op	AU PHY types are intended tical media.	to support only f	ast wake LPI, similar to	-	•	ACCEPT	•			
		able 78-4 which use fast wak			C/ 105	SC	105.5	P 50	L <b>42</b>	# 248	
		R fast wake, 50GBASE-R fas ke, and 400GBASE-R fast wa		SE-R fast wake,	Nicholl, Sł	nawn		AMD			
Suggested			into:		Comment	Туре	TR	Comment Status D		RS-FEC	
	•	"PHY or interface type" colur	nn of the new PH	HYs				er delay constraints", the 25GB			
Proposed I		Response Status W			delay of 11 264 bit time. This includes contributions from PCS, FEC, PMA, and F contrast, the same table lists 24 576 bit time as the sublayer maximum delay for						
,		,					RS-FEC		,	, ,	
					Suggested	Reme	dy				
					in the sum o	implem f the 25	nentation. 5GBASE-	25GBASE-AU PHY sublayer de Propose a value of 32768 bit ti R PCS (3584 BT), 25GBASE-R 5GASE-*R PMD (512 BT).	me (64 paus	e_quanta) based on a	
					Proposed			Response Status W			
					-	•	REJECT	•			
					Delay PCS,	is spec PMA ai	cified 25G nd PMD s	MII to 25GMII. It considers sum ublayers, without including prop ponds to 2.2x the time needed to	agation dela	ay of the fiber medium.	

X and RX sides of of the fiber medium. S-FEC code-word (544 RS symbols, 5440 bits). This upper bound limit has been specified with >25% margin considering actual implementation in a technology node qualified for automotive application.

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TYPE: TR/technical required ER/editorial required GR/gener	al required T/technical E/editorial G/general	C/ 105
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 105.5

SORT ORDER: Clause, Subclause, page, line

C/ 105	SC 105.1.1	P 46	L19	# 2	C/ 105	SC 1	05.1.1	P46	L 19	# 222	
Brown, Ma	tt	Huawei			Lewis, Jon	1		Dell Technolog	ies		
Comment	Туре Е	Comment Status D		Definitions	Comment	Туре	Е	Comment Status D		P802.3/D3.2 alignement	
sticking	g with precedenc	oving the long list of PMD typ e and use the relevant paragi rnet in Clause 116.				nis shoul	d be "Ph	was changed from "Physical L ysical Layer entities"	ayer entitie	s" to "Physical Layers". I	
Suggested	Remedy				00			tence to " one of a number o	of 25 Gb/s I	Physical Laver entities."	
operati		aph to: "25 Gigabit Ethernet u of 25 Gb/s, coupled with any			Proposed I		е	Response Status W			
Proposed I PROP	Response OSED ACCEPT.	Response Status W			C/ 105	SC 1	05.1.3	P 48	L 8	# 72	
					Grow,Rob			RMG Consultin	ng		
C/ 105	SC 105.1.1	P 46	L 19	# 264	Comment		E	Comment Status D		P802.3/D3.2 alignement	
Ran, Adee		Cisco			Base t	ext error.	. Table '	105-1 has been resorted in P8	02.3/D3.2.		
Comment Type E Comment Status D Definitions					Suggested	Remedy					
		lause removes a list of PHYs			Use base text from P802.3/D3.2.						
clause		taining lists is an editorial burd nich PHYs it pertains to is valu ssible.			Proposed I PROP	Respons OSED A		Response Status W			
If the li	st is indeed remo	oved, the resulting text as of the	his draft become	es:	C/ 105	SC 1	05.1.3	P48	L 27	# 73	
		es the IEEE 802.3 MAC subla erface (25GMII) to one of a nu			Grow,Rob	ert		RMG Consultin	ıg		
		st too wordy, and does not eve			Comment	Туре	Е	Comment Status D	-	P802.3/D3.2 alignement	
are de	fined in this stand	lard.			Again, using the P802.3 comment resolution for # I-52 sort order the insert point is I think defined by comment # I-52 resolution.						
		5–2 would provide the neces	sary list.		Suggested						
Suggested						-		insert point is after 25GBASE	-KR of the	P802.3/D3.2 table.	
		er of 25 Gb/s Physical Layers standard (see Table 105–2).	s" to "one of the	25 Gb/s Physical	Proposed I	Respons	е	Response Status W			
Proposed H	Response	Response Status W			PROP	OSED A	CCEPT	IN PRINCIPLE.			
PROP	OSED ACCEPT.				Substi	tute Tabl	e 105-1	with the one in P802.3/D3.2.			
					The in	sert point	t is after	25GBASE-KR.			

C/ 105 SC 105.1.3 Page 14 of 53 11/05/2022 18:42:56

C/ 105 SC 105.1.3	P48	L 27	# 3	C/ 105	SC 105.2	P 49	L <b>5</b>	# 265
Brown, Matt	Huawei			Ran, Adee		Cisco		
Comment Type E	Comment Status D		P802.3/D3.2 alignement	Comment 7	Гуре Е	Comment Status D		EZ
	Table 105-1 is not in line with J would be just above 25GBA		ard. When properly			er than the usual text boundari ries as in all other tables.	ies. Its columns	can be narrowed to
SuggestedRemedy				Similar	lv in Table 125-	-2 (page 55), and possibly othe	er tables in this o	draft
Reorder the PHYs in 1	Table 105-1 in line with the ba	se standard and	d established convention.	Suggested				
Proposed Response	Response Status W					s in all tables that exceed the b	ooundaries as n	ecessarv.
PROPOSED ACCEPT See #73.	IN PRINCIPLE.			Proposed F		Response Status W		
C/ 105 SC 105.1.3	P 49	L <b>4</b>	# 75	PROPU	JSED ACCEPT			
Grow,Robert	RMG Consul	ting		C/ 105	SC 105.2	P 49	L 6	# 4
Comment Type E	Comment Status D	-	P802.3/D3.2 alignement	Brown, Mat	tt	Huawei		
Again, using the P802 defined by comment #	.3 comment resolution for # I- I-52 resolution.	52 sort order th	e insert point is I think	Comment 7 Table 1	51	<i>Comment Status</i> <b>D</b> beyond the text boundaries or	n left and right.	EZ
SuggestedRemedy				Suggested	Remedv			
I'm mostly guessing th	e insert point is after 25GBAS	E-KR of the P8	02.3/D3.2 table.	Reduce	e the the colum	n widths so that the table falls	withing the text	boundaries (outside of
Proposed Response	Response Status W			the mai	rgins).		-	
PROPOSED ACCEPT Substitute Table 105-2	IN PRINCIPLE. with the one in P802.3/D3.2.			Proposed F PROPC	Response DSED ACCEPT	Response Status <b>W</b>		
The insert point is afte	r 25GBASE-KR.			C/ 105	SC 105.2	P 49	L 20	# 5
C/ 105 SC 105.1.3	P 105	L 8	# 17	Brown, Mat	tt	Huawei		
Hajduczenia, Marek	Charter Com	munications		Comment 7	Гуре Е	Comment Status X		P802.3/D3.2 alignement
Comment Type ER	Comment Status <b>D</b> serted row but also includes u	nchanged rows	EZ			Table 105-2 is not in line with t J would be just above 25GBAS		rd. When properly
	serted columns but also includ			Suggested	Remedy			
SuggestedRemedy				Reorde	er the PHYs in 1	able 105-2 in line with the bas	e standard and	established convention.
	vs from Table 105-1 and unch ontain unchanged rows/colun ccordingly.			Proposed F PROPC See #7	DSED ACCEPT	Response Status W		
Proposed Response	Response Status W							
	_							

PROPOSED ACCEPT.

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

C/ 105 SC 105.2 Page 15 of 53 11/05/2022 18:42:56

C/ 105 SC 105.2	P 49	L <b>4</b>	# 74	C/ 125 S	C 125.1.4	P 54	L 5	# 77
Grow,Robert	RMG Consul	ting		Grow,Robert		RMG Consulti	ing	
Comment Type E	Comment Status D		P802.3/D3.2 alignement	Comment Type	Е	Comment Status D		P802.3/D3.2 alignemen
	e 105-2 has been resorted in F	P802.3/D3.2.				.2 appears to me to be in rate ut T1 before T because of inc		
SuggestedRemedy Use base text from P8	302.3/D3.2.			SuggestedRem	edy			
Proposed Response	Response Status W			0		ed, unless someone else kno ecause of reach.	ows better that	an I. I think the insert point
PROPOSED ACCEPT	-			Proposed Resp	onse	Response Status W		
C/ 125 SC 125.3	P 56	L 15	# 80	PROPOSE	D ACCEPT.			
Grow,Robert	RMG Consul	ting		C/ 125 S	C 125.1.4	P 55	L <b>4</b>	# 78
Comment Type E	Comment Status D		P802.3/D3.2 alignement	Grow,Robert		RMG Consulti	ing	
Again, if using illuminati sort order, I think T1 goes before T because of reach, so I don't				Comment Type	Е	Comment Status D	0	P802.3/D3.2 alignemer
				oonninent rype	_			
understand the order of	of Table 125-3 in P802.3/D3.2			This table i	n P802.3/D3	5.2 appears to me to be in rate ut T1 before T because of inc		umeric order. I think the
understand the order o SuggestedRemedy No change recommen	of Table 125-3 in P802.3/D3.2 ided, unless someone else kn	2.	an I. I think the insert point	This table i	n P802.3/D3 der would p	.2 appears to me to be in rate		umeric order. I think the
understand the order of SuggestedRemedy No change recommen would still be after T1 Proposed Response	of Table 125-3 in P802.3/D3.2 Ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b>	2.	an I. I think the insert point	This table in illuminati or SuggestedRem No change	n P802.3/D3 der would p edy recommend	.2 appears to me to be in rate	creasing reac	umeric order. I think the h.
understand the order o SuggestedRemedy No change recommen would still be after T1	of Table 125-3 in P802.3/D3.2 Ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b>	2.	an I. I think the insert point	This table in illuminati or SuggestedRem No change	n P802.3/D3 der would p redy recommenc pe after T1 b	2 appears to me to be in rate ut T1 before T because of inc led, unless someone else kno	creasing reac	umeric order. I think the h.
understand the order of SuggestedRemedy No change recommen would still be after T1 Proposed Response PROPOSED ACCEPT	of Table 125-3 in P802.3/D3.2 Ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b>	2.	an I. I think the insert point	This table i illuminati or SuggestedRem No change would still t Proposed Resp	n P802.3/D3 der would p redy recommenc pe after T1 b	2 appears to me to be in rate ut T1 before T because of inc led, unless someone else kno ecause of reach. <i>Response Status</i> <b>W</b>	creasing reac	umeric order. I think the h.
understand the order of SuggestedRemedy No change recommen would still be after T1 Proposed Response PROPOSED ACCEPT	of Table 125-3 in P802.3/D3.2 ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b>	2. lows better tha <i>L</i> <b>27</b>	·	This table in illuminati or SuggestedRem No change would still t Proposed Resp PROPOSE	n P802.3/D3 rder would p redy recommend be after T1 b ronse	2 appears to me to be in rate ut T1 before T because of inc led, unless someone else kno ecause of reach. <i>Response Status</i> <b>W</b>	creasing reac	umeric order. I think the h.
understand the order of SuggestedRemedy No change recommen would still be after T1 Proposed Response PROPOSED ACCEPT CI 125 SC 125.3 Grow,Robert	of Table 125-3 in P802.3/D3.2 Ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b> T. <b>P 56</b>	2. lows better tha <i>L</i> <b>27</b>	·	This table i illuminati or SuggestedRem No change would still b Proposed Resp PROPOSE Cl 131	n P802.3/D3 rder would p recommenc be after T1 b ronse D ACCEPT. C 131.1.3	2 appears to me to be in rate ut T1 before T because of inc led, unless someone else kno ecause of reach. <i>Response Status</i> <b>W</b>	creasing reac	umeric order. I think the h. an I. I think the insert point
understand the order of SuggestedRemedy No change recommen would still be after T1 Proposed Response PROPOSED ACCEPT C/ 125 SC 125.3 Grow,Robert Comment Type E	of Table 125-3 in P802.3/D3.2 Ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b> T. <i>P</i> <b>56</b> RMG Consul	2. Nows better the <i>L</i> 27 ting	# <u>79</u> P802.3/D3.2 alignement	This table i illuminati or SuggestedRem No change would still t Proposed Resp PROPOSE C/ 131 S Pérez-Aranda,	n P802.3/D3 der would p redy recommend be after T1 b tonse D ACCEPT. C 131.1.3 Rubén	2 appears to me to be in rate ut T1 before T because of inc led, unless someone else kno ecause of reach. <i>Response Status</i> <b>W</b> <i>P</i> <b>58</b> KDPOF	creasing reac	umeric order. I think the h. an I. I think the insert point # <u>131</u>
understand the order of SuggestedRemedy No change recommen would still be after T1 Proposed Response PROPOSED ACCEPT C/ 125 SC 125.3 Grow,Robert Comment Type E Base text error. Table SuggestedRemedy	of Table 125-3 in P802.3/D3.2 Ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b> T. <i>P</i> <b>56</b> RMG Consul <i>Comment Status</i> <b>D</b> e 125-3 has been resorted in F	2. Nows better the <i>L</i> 27 ting	# <u>79</u> P802.3/D3.2 alignement	This table i illuminati or SuggestedRem No change would still t Proposed Resp PROPOSE Cl 131 S Pérez-Aranda, Comment Type	n P802.3/D3 der would p recdy recommenc be after T1 b bonse D ACCEPT. C 131.1.3 Rubén ER	2 appears to me to be in rate ut T1 before T because of inc led, unless someone else kno ecause of reach. <i>Response Status</i> <b>W</b> <i>P</i> <b>58</b>	creasing reac	umeric order. I think the h. an I. I think the insert point # 131
understand the order of SuggestedRemedy No change recommen would still be after T1 Proposed Response PROPOSED ACCEPT Cl 125 SC 125.3 Grow,Robert Comment Type E Base text error. Table	of Table 125-3 in P802.3/D3.2 Ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b> T. <i>P</i> <b>56</b> RMG Consul <i>Comment Status</i> <b>D</b> e 125-3 has been resorted in F	2. Nows better the <i>L</i> 27 ting	# <u>79</u> P802.3/D3.2 alignement	This table i illuminati or SuggestedRem No change would still t Proposed Resp PROPOSE Cl 131 S Pérez-Aranda, Comment Type	n P802.3/D3 der would p recommenc be after T1 b onse D ACCEPT. C 131.1.3 Rubén ER ot correct er	2 appears to me to be in rate ut T1 before T because of inc led, unless someone else kno ecause of reach. <i>Response Status</i> W <i>P</i> 58 KDPOF <i>Comment Status</i> D	creasing reac	umeric order. I think the h. an I. I think the insert point
understand the order of SuggestedRemedy No change recommen would still be after T1 Proposed Response PROPOSED ACCEPT Cl 125 SC 125.3 Grow,Robert Comment Type E Base text error. Table SuggestedRemedy Use base text from P8	of Table 125-3 in P802.3/D3.2 Ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b> T. <i>P</i> 56 RMG Consult <i>Comment Status</i> <b>D</b> e 125-3 has been resorted in F 302.3/D3.2. <i>Response Status</i> <b>W</b>	2. Nows better the <i>L</i> 27 ting	# <u>79</u> P802.3/D3.2 alignement	This table i illuminati or SuggestedRem No change would still b Proposed Resp PROPOSE C/ 131 S Pérez-Aranda, Comment Type 64/65B is n SuggestedRem Replace "5	n P802.3/D3 der would p recommend be after T1 b onse D ACCEPT. C 131.1.3 Rubén ER ot correct er redy 0 Gb/s PHY	2 appears to me to be in rate ut T1 before T because of inc led, unless someone else kno ecause of reach. <i>Response Status</i> W <i>P</i> 58 KDPOF <i>Comment Status</i> D	bws better the	umeric order. I think the h. an I. I think the insert point # <u>131</u> <i>E</i>
understand the order of SuggestedRemedy No change recommen would still be after T1 Proposed Response PROPOSED ACCEPT Cl 125 SC 125.3 Grow,Robert Comment Type E Base text error. Table SuggestedRemedy Use base text from P8 Proposed Response	of Table 125-3 in P802.3/D3.2 Ided, unless someone else kn because of reach <i>Response Status</i> <b>W</b> T. <i>P</i> 56 RMG Consult <i>Comment Status</i> <b>D</b> e 125-3 has been resorted in F 302.3/D3.2. <i>Response Status</i> <b>W</b>	2. Nows better the <i>L</i> 27 ting	# <u>79</u> P802.3/D3.2 alignement	This table i illuminati or SuggestedRem No change would still b Proposed Resp PROPOSE C/ 131 S Pérez-Aranda, Comment Type 64/65B is n SuggestedRem Replace "5	n P802.3/D3 der would p recommendo e after T1 b onse D ACCEPT. C 131.1.3 Rubén ER ot correct er redy 0 Gb/s PHY 55B and Rec	2 appears to me to be in rate ut T1 before T because of inc led, unless someone else kno ecause of reach. <i>Response Status</i> <b>W</b> <i>P</i> <b>58</b> KDPOF <i>Comment Status</i> <b>D</b> ncoding (Table 131-1) using 64/65B and Reed-Solo	bws better the	umeric order. I think the h. an I. I think the insert point # <u>131</u> <i>E</i>

C/ 131 SC 131.1.3

C/ 131 SC 131.1	.3 P 58	L 32	# 81	C/ 166	SC 166.13	P 136	L 15	# 202
Grow,Robert	RMG Consul	ting		Pérez-Ara	anda, Rubén	KDPOF		
Comment Type E	Comment Status D		P802.3/D3.2 alignement	Comment	Type TR	Comment Status D		EZ
Using illuminati sor	t order, our reach puts AU higher	r in the table.		Add to	wo rows to Table	166–21 to include mapping of	of pcs_reset varia	able.
SuggestedRemedy				Suggestee	dRemedy			
	ch but our reach would put AU ei	ther before or a	after CR.		ow, "Reset = 1, P ol 1, 3.0.15, pcs_r	CS control 1, 3.0.15, pcs_res eset = FALSE"	set = TRUE". Add	d row "Reset = 0, PCS
Proposed Response	Response Status W			Proposed	Response	Response Status W		
PROPOSED ACCE Insertion point after	50GBASE-KR and before 50BA	SE-CR becaus	se the reach.	PROF	POSED ACCEPT			
C/ 131 SC 131.2	.4 P 59	L 24	# 82	C/ 166	SC 166.15	P 138	L <b>42</b>	# 249
Grow,Robert	RMG Consul	ting		Nicholl, S	hawn	AMD		
Comment Type E	Comment Status D		P802.3/D3.2 alignement	Comment	Type TR	Comment Status D		RS-FEC
	t order, our reach puts AU highei I"s in a diagional line (clause ord		niess the sort order is		olayer delay cons	Delay constraints) pending re traints".	esolution of comr	nent against Table 105-
Not sure of all reac	hes in the table, but think we go	first.			•	contraints is updated in Table	e 105-3, then ma	ke corresponding
Proposed Response PROPOSED ACCE				all PH		6 for 25GBASE-AU. In addition 3, then update other PHY row		
	is before 50GBASE-SR if ordere	d taking into a	ccount reach criteria.	Proposed	Response	Response Status W		
C/ 131 SC 131.4	P 60	L 24	# 83		POSED REJECT.			
Grow,Robert	RMG Consul	ting		See #	248.			
Comment Type E	Comment Status X		P802.3/D3.2 alignement					
Using illuminati sor	t order, our reach puts AU highe	r in the table.						
SuggestedRemedy								
Not sure of CR rea	ch but our reach would put AU ei	ther before or a	after CR.					
Proposed Response	Response Status W							
PROPOSED ACCE	PT IN PRINCIPLE.	d taking into a	accupt reach aritoria					

The insertion point is before 50GBASE-CR if ordered taking into account reach criteria.

C/ 166 SC 166.15 Page 17 of 53 11/05/2022 18:42:56

C/ 166	SC 166.1	P 61	L 18	# 266
Ran, Adee		Cisco		
Comment Ty	pe T	Comment Status D		General

This amendment adds PHYs for optical media for Automotive applications. There are existing PHYs for optical media, which use existing BASE-R sublayers (different per data rate), notably, existing PCSs, FECs, and PMAs. PHYs for a given data rate only differ in their PMD sublayer (because this is the Physical Medium Dependent part).

As an example, the 25 Gb/s PHY specified in clause 112 uses NRZ signaling and a singlelane Reed-Solomon error correction code over optical media, which are practically the same functions as several PHYs in clause 166 (at the same speed or lower). Other FEC codes are defined in the BASE-R family which can be used instead if higher or lower coding gain is required.

It is unclear why the new PHYs, which are indeed for different media, should have completely different sublayer stacks, terminology, phrasing, and methodology, instead of reusing the existing BASE-R sublayers and just defining new PMDs, and why they need to be defined as a new "family". The overhead created in this draft by this choice is significant, and the implications of "re-inventing the wheel" need not be listed. The Ethernet standard is already comprehensive enough and should not include multiple solutions to the same problem. The new PHYs defined in this draft do not look like Ethernet to me.

Other aspects of Ethernet such as delay assessments for timestamping (clause 90, currently amended by P802.3cx) are intricately dependent on PHY sublayers and may need to be addressed by this amendment if new sublayers are used.

If there is a reason for defining a new family of PHYs which are so different from existing ones, it should be stated in the introduction to Clause 166. If there isn't a strong reason, this project should re-use the existing Ethernet sublayer stack for each of the PHYs, or diverge from the Ethernet standard to some other working group.

### SuggestedRemedy

Preferably, change all PHYs to use existing sublayer stacks and use Clause 166 to define only the new PMDs. Implement necessary changes across the draft.

If this is not done, create an introduction to clause 166 in 166.1 (making the existing "overview" a level 2 subclause) and explain to the readers how and why this family is different from other optical PHYs.

### Proposed Response Response Status W

### PROPOSED REJECT.

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

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	P63	3 L:	33 #	244
Dawe, Piers	Nvidia	a		
Comment Type E fiber.The	Comment Status	D		EZ
SuggestedRemedy fiber. The				
Proposed Response PROPOSED ACCEPT.	Response Status	w		

Cl	166	
SC	166.1.4	

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C/ 166 SC	166.1.4	P 63	L 34	# 246	C/ 166 SC 166.1.4	P 63	L <b>34</b>	# 225
Dawe, Piers		Nvidia			Martino, Kjersti	Inneos		
<i>comment Type</i> TX, RX	E	Comment Status D		IEEE-SA Style	Comment Type E Typo - missing space	Comment Status <b>D</b> in "partnercable"		Text improvement
<i>uggestedRemed</i> For consisten	•	st of 802.3, probably should	be Tx and Rx		SuggestedRemedy "partner cable"			
roposed Respon PROPOSED		Response Status W			Proposed Response PROPOSED ACCEP Replace "the link part	Response Status W T IN PRINCIPLE. nercable" with "the link partner	r using the fiber o	optic cabling"
	166.1.4	P 63	L 34	# 245	C/ 166 SC 166.1.4	P 63	L 34	# 144
)awe, Piers	-	Nvidia		<b>T</b>	Pérez-Aranda, Rubén	KDPOF		
omment Type the link partne	E	Comment Status D		Text improvement	Comment Type ER	Comment Status D		Text improvement
						MD transmitter and PMD recei	ver are connecte	ed to the link
the medium	OR the f	fiber optic cabling Response Status W			partnercable" with "Th partner using duplex o SuggestedRemedy	e local PMD transmitter and F optical cable"		
Proposed Respon	OR the f nse ACCEPT II	Response Status W	using the fiber o	otic cabling"	partnercable" with "Th partner using duplex o SuggestedRemedy Per comment. Other n	e local PMD transmitter and F optical cable" emedy may also valid.		
the medium roposed Respon PROPOSED Replace "the l	OR the f nse ACCEPT II	Response Status W N PRINCIPLE. rcable" with "the link partner	using the fiber of <i>L</i> 34	otic cabling" # [271	partnercable" with "Th partner using duplex o SuggestedRemedy	e local PMD transmitter and F optical cable" emedy may also valid. <i>Response Status</i> <b>W</b>		
the medium roposed Respon PROPOSED Replace "the l	OR the f nse ACCEPT II link partner	Response Status W N PRINCIPLE. rcable" with "the link partner	•		partnercable" with "Th partner using duplex of <i>SuggestedRemedy</i> Per comment. Other n <i>Proposed Response</i> PROPOSED ACCEP	e local PMD transmitter and F optical cable" emedy may also valid. <i>Response Status</i> <b>W</b>		
the medium roposed Respon PROPOSED Replace "the l 1 166 SC homas, Huber	OR the f nse ACCEPT II link partner 166.1.4 E	Response Status W N PRINCIPLE. rcable" with "the link partner P 63 Intel Comment Status D	•	# 271	partnercable" with "Th partner using duplex of SuggestedRemedy Per comment. Other n Proposed Response PROPOSED ACCEP See #245.	e local PMD transmitter and F optical cable" emedy may also valid. <i>Response Status</i> <b>W</b> T IN PRINCIPLE.	PMD receiver are	connected to the link
the medium roposed Respon PROPOSED / Replace "the l / 166 SC homas, Huber omment Type Typographica	OR the f nse ACCEPT II link partner 166.1.4 E al error - part dy	Response Status W N PRINCIPLE. rcable" with "the link partner P 63 Intel Comment Status D rtnercable	•	# 271	partnercable" with "Th partner using duplex of SuggestedRemedy Per comment. Other n Proposed Response PROPOSED ACCEPT See #245. Cl 166 SC 166.1.4	e local PMD transmitter and F optical cable" emedy may also valid. <i>Response Status</i> <b>W</b> T IN PRINCIPLE. <i>P</i> <b>64</b>	PMD receiver are	connected to the link
the medium roposed Respon PROPOSED Replace "the l 1 166 SC homas, Huber omment Type Typographica uggestedRemed Split into two v roposed Respon	OR the f nse ACCEPT II link partner <b>166.1.4</b> <b>E</b> al error - part dy words, part nse	Response Status W N PRINCIPLE. rcable" with "the link partner P 63 Intel Comment Status D rtnercable	•	# 271	partnercable" with "Th partner using duplex of SuggestedRemedy Per comment. Other n Proposed Response PROPOSED ACCEP See #245. Cl 166 SC 166.1.4 Pérez-Aranda, Rubén Comment Type ER Incorrect reference. SuggestedRemedy	e local PMD transmitter and F optical cable" emedy may also valid. <i>Response Status</i> <b>W</b> T IN PRINCIPLE. <i>P</i> 64 KDPOF	PMD receiver are	# [145

C/ 166 SC 166.1.4

C/ 166

Lusted, Kent

SC 166.1.4

C/ 166	SC 166.1.4	P 64	L 14	# <u>267</u>
Ran, Adee	Э	Cisco		
Comment	Туре Т	Comment Status D		LFSR
		n LFSR" - not necessarily; a sion of the acronym)	and what is an LFS	SR anyway? (no
impler	nentations that g	mentation of a generator of t jenerate the same sequence block of memory).		
	ar feedback shift pecification.	register should be describe	d only as a possib	le implementation, not
Also ii	n P67 L2, P74 L <sup>2</sup>	17, Annex 166A, and corres	ponding PICS.	
Suggested	dRemedy			
		ack shift register as a possil er cases where additive scr		
5	age similar to ou		annulers are speci	neu.
0	0		ampiers are speci	neu.
The te	ext 40.3.1.3.1 is a	a possible reference.	amplets are speci	neu.
The te Proposed	ext 40.3.1.3.1 is a Response	a possible reference. Response Status W		neu.
The te Proposed PROF	ext 40.3.1.3.1 is a <i>Response</i> POSED ACCEPT	a possible reference. Response Status W IN PRINCIPLE.		
The te Proposed PROF Repla	ext 40.3.1.3.1 is a <i>Response</i> POSED ACCEPT	a possible reference. <i>Response Status</i> <b>W</b> IN PRINCIPLE. er uses an LFSR that is initia		crambler is initialized"
The te Proposed PROF	ext 40.3.1.3.1 is a <i>Response</i> POSED ACCEPT	a possible reference. Response Status W IN PRINCIPLE.		
The te Proposed PROF Repla C/ 166	ext 40.3.1.3.1 is a <i>Response</i> POSED ACCEPT ce "The scrambl	a possible reference. <i>Response Status</i> <b>W</b> IN PRINCIPLE. er uses an LFSR that is initia	alized" with "The s	crambler is initialized"
The te Proposed PROF Repla C/ <b>166</b> Pérez-Ara Comment	ext 40.3.1.3.1 is a Response POSED ACCEPT ce "The scrambl SC <b>166.1.4</b> Inda, Rubén Type <b>ER</b>	a possible reference. <i>Response Status</i> <b>W</b> <sup>7</sup> IN PRINCIPLE. er uses an LFSR that is initia <i>P</i> 64 KDPOF <i>Comment Status</i> <b>D</b>	alized" with "The s	crambler is initialized" # 1 <u>46</u> EZ
The te Proposed PROF Repla Cl 166 Pérez-Ara Comment	ext 40.3.1.3.1 is a Response POSED ACCEPT ce "The scrambl SC <b>166.1.4</b> Inda, Rubén Type <b>ER</b>	a possible reference. <i>Response Status</i> <b>W</b> <sup>7</sup> IN PRINCIPLE. er uses an LFSR that is initia <i>P</i> 64 KDPOF	alized" with "The s	crambler is initialized" # 1 <u>46</u> EZ
The te Proposed PROF Cl 166 Pérez-Ara Comment I miss Suggested	ext 40.3.1.3.1 is a Response POSED ACCEPT ce "The scramble SC 166.1.4 anda, Rubén Type ER reference to sub dRemedy	a possible reference. <i>Response Status</i> <b>W</b> <sup>7</sup> IN PRINCIPLE. er uses an LFSR that is initia <i>P</i> 64 KDPOF <i>Comment Status</i> <b>D</b>	alized" with "The s <i>L</i> 26 n of BASE-AU PH	crambler is initialized" # 1 <u>46</u> EZ

Commont .	Tuno	ED	Commont Status				E
Comment i	•••	ER aud rates	Comment Status for the 2.5G, 5G, 100		and 50C rates a	are energified in MP	
even th	nough a	all of the ra	ates are in the multi-g of thousands MBd wh	gigabit rar	nge. It reads o	dd to me that the te	
Suggested	Remed	lv.					
Chang	e the B	aud rates	for 2.5GBASE-AU, 5 d units to GBd units.		AU, 10GBASE-	AU, 25GBASE-AU	l, an
Proposed I	Respon	se	Response Status	w			
PROP	OSED	ACCEPT.					
C/ 166	SC	166.1.4	P 65	5	L 18	# 147	
Pérez-Arai	nda, Ru	ıbén	KDPC	DF			
Comment	Туре	TR	Comment Status	D			l
						Symbol mapping an	ומ מו
			A, TX and RX function			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	ng are p	part of PM				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
mappir Suggested	ng are p <i>Remed</i>	oart of PM		ons, respe	ectively		
mappir Suggested Replac bits".	ng are p <i>Remed</i> ce "tran:	oart of PM ly smit symb	A, TX and RX functic	ons, respe ts", and re	ectively		
mappir Suggested Replac bits". Proposed I	ng are p Remed ce "trans Respon	oart of PM ly smit symb	A, TX and RX functic	ons, respe ts", and re	ectively		
mappir Suggested Replac bits". Proposed I	ng are p Remed ce "trans Respon OSED /	bart of PM ly smit symb	A, TX and RX functic	ts", and re	ectively		
mappir Suggested Replac bits". Proposed I PROP	ng are p Remed ce "trans Respon OSED / SC	bart of PM /y smit symb se ACCEPT.	A, TX and RX functions ols" with "transmit bit Response Status	ts", and re W 5	ectively	symbols" with "rec	
mappir Suggested Replac bits". Proposed I PROPU	ng are p Remed ce "tran: Respon OSED / SC	bart of PM /y smit symb se ACCEPT.	A, TX and RX functions with "transmit bit Response Status P65	bons, respects", and re W 5 DF	ectively	symbols" with "rec	eive
mappin Suggested Replac bits". Proposed I PROPO Cl 166 Torres, Lui Comment	ng are p Remed ce "trans Respon OSED SC sma Type erarchy	oart of PM /y smit symb se ACCEPT. 166.1.4 TR of the fun	A, TX and RX functions with "transmit bit Response Status P68 KDPC	ons, respe ts", and re W 5 DF DF	ectively eplace "receive <i>L</i> 25	symbols" with "rec # <u>39</u> <i>Hierarch</i>	eive y lev
mappin Suggested Replac bits". Proposed I PROPO Cl 166 Torres, Lui Comment	ng are p Remed ce "trans Respon OSED / SC sma Type erarchy Y monit	part of PM by smit symb se ACCEPT. 166.1.4 TR to f the fun tor" should	A, TX and RX functions with "transmit bit Response Status P6t KDPC Comment Status Inctional blocks in PM/	ons, respe ts", and re W 5 DF DF	ectively eplace "receive <i>L</i> 25	symbols" with "rec # <u>39</u> <i>Hierarch</i>	eive y lev
mappin Suggested Replac bits". Proposed H PROPO Cl 166 Torres, Lui Comment The hid in "PH" Suggested Substil	ng are p Remed ce "trans Respon OSED / SC sma Type erarchy Y monit Remed cute "Pf	bart of PM y smit symb se ACCEPT. 166.1.4 TR TR tof the fun tor" should y HY monito	A, TX and RX functions with "transmit bit Response Status P6t KDPC Comment Status Inctional blocks in PM/	ons, respects", and re W 5 DF D A do not o Add a big	ectively eplace "receive <i>L</i> 25 correspond with	symbols" with "rec # <u>39</u> <i>Hierarch</i> n the text in 166.3. ed PHY control,tha	eive <i>y le</i> v Typ
mappin Suggested Replac bits". Proposed H PROPO Cl 166 Torres, Lui Comment The hid in "PH" Suggested Substit	ng are p Remed ce "tran: Respon OSED / SC sma Type erarchy Y monit Remed cute "Ph es PHY	bart of PM y smit symb se ACCEPT. 166.1.4 TR of the fun tor" should y HY monito TX contro	A, TX and RX functions ols" with "transmit bit Response Status P6t KDPC Comment Status Inctional blocks in PM/ I be "PHD monitor".	ons, respects", and re W 5 DF D A do not o Add a big monitor a	ectively eplace "receive <i>L</i> 25 correspond with	symbols" with "rec # <u>39</u> <i>Hierarch</i> n the text in 166.3. ed PHY control,tha	eive <i>y le</i> v Typ

P 64

Intel Corporation

L 36

# 8

CI	166	
SC	166.1.4	

C/ 166 SC 166.1.4	P65	L 29	# 148	C/ 166 SC 166.2.2.1.1 P69 L19 # 175
Pérez-Aranda, Rubén	KDPOF			Pérez-Aranda, Rubén KDPOF
Comment Type ER PHY monitor box is repe	Comment Status <b>D</b> eated (i.e. PHY quality monit	tor). It should PH	<i>Hierarchy level</i> D monitor.	Comment Type ER Comment Status D There is only one filed PHD.TX.NEXT.*, which is PHD.TX.NEXT.MODE.
SuggestedRemedy Replace "PHY monitor"	with "PHD monitor"			SuggestedRemedy Change "PHD.TX.NEXT.*" with "PHD.TX.NEXT.MODE".
Proposed Response PROPOSED ACCEPT I See #39.	Response Status W N PRINCIPLE.			Proposed Response Response Status W PROPOSED ACCEPT.
C/ 166 SC 166.2.1	P 66	L <b>42</b>	# 172	C/ 166 SC 166.2.2.1.2 P70 L2 # 176
Pérez-Aranda, Rubén	KDPOF			Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D
Comment Type E Should not be reference	Comment Status D to 166.2.2.8 instead of 166	.2.2.9?	EZ	The use of term parity may result confuse in this context, when cyclic redundancy check i used.
SuggestedRemedy				SuggestedRemedy
Replace by the right refe	erence according to commen	nt.		Change "followed by the resulting 16-bit parity check to compose the concatenation of the
Proposed Response	Response Status W			PHD and the parity bits" with "followed by the resulting 16-bit redundancy check to compo the concatenation of the PHD and the redundancy bits"
PROPOSED ACCEPT.				Proposed Response Response Status W
C/ 166 SC 166.2.1	P 67	L7	# 173	PROPOSED ACCEPT.
Pérez-Aranda, Rubén	KDPOF			C/ 166 SC 166.2.2.1.2 P70 L5 # 177
Comment Type ER	Comment Status D		EZ	Pérez-Aranda, Rubén KDPOF
65B/64B code is not def	ined.			Comment Type ER Comment Status D
SuggestedRemedy Replace "65B/64B deco	ding" with "64B/65B decodir	ng".		The use of term parity may result confuse in this context, when cyclic redundancy check i used.
Proposed Response	Response Status W			SuggestedRemedy
PROPOSED ACCEPT.				Replace "the PHD and the parity bits" with "the PHD and the redundancy bits"
C/ 166 SC 166.2.1	P 67	L17	# 174	Proposed Response Response Status W
Pérez-Aranda, Rubén	KDPOF			PROPOSED ACCEPT.
Comment Type E Should not be reference	Comment Status D to 166.2.2.8 instead of 166	.2.2.9?	EZ	
SuggestedRemedy				
Replace by the right refe	erence according to commer	nt.		
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			

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 166.2.2.1.2 Page 21 of 53 11/05/2022 18:42:56

C/ 166 SC 166.2.2.2	P71	L9	# 224	C/ 166	SC	166.2.2.3	P71	L 20	# 272
Lewis, Jon	Dell Technolo	-	// 224	Thomas, H		100.2.2.0	Intel	- 20	" 212
Comment Type E When I read the text in the numbers are shown ways and the text above	Comment Status <b>D</b> the paragraph and look at Fi . 187 200 bits / Transmit blo e shows the same thing. I th 5-bit blocks when I read the	gure 166-7 I slig ock could be into ink this is 187 >	erpreted in a couple of ( 200 bits, but I could be	Comment While with w blocks indicat	<i>Type</i> the end that is sh prior to tes that nit order	nown in Fig TRC codii the PHD is ing before	Comment Status <b>D</b> he same in both, the text of 1 gure 166-10. The figure sho ng and PCS transmit orderir is first TRC-coded and then s being merged with the paylo	ws the PHD b lg, whereas th plit into 20-bit	eing split into 20-bit sub- le text description sub-blocks by the PCS
	"187 200 bits" to "187 x 200	bits"			-	•	orders of operations to desc	cribe the proce	ess, and align the text or
Proposed Response PROPOSED REJECT. The number is "187,200 Although the use of a b standards such as ISO Style Manual specifies	87,200" in US style. e of a blank space for the thousands (used also in other international as ISO) may be misleading here, this is the format that IEEE SA Standard		that IEEE SA Standard	figure Proposed PROP In sub Edit Fi Split 1 TRC e subblo Remov "The F tx_gro	accordir Respon POSED / clause 1 igure 16 66.2.2.1 encoder bocks. ve shall PCS tran up80x65	ngly. se ACCEPT II 166.2.2.1.2 6-5 accord I.4 into two will be des statement nsmit order 5B, coming	Response Status W N PRINCIPLE. insert additional step after s ing to the inserted block. o subclauses. First for PHD s cribed operating over 20-bit in siubclause 166.2.2.3 rega ing shall follow each sequer from the payload data path etails on PCS bit ordering."	step 2 for PHE split, and seco subblocks an arding chunk o nce of 80 65-b	) split. Ind for TRC. d returning 20-bit operation: it blocks, called
				the sh Suggested Remo	nda, Ru <i>Type</i> 166–9 ift regist <i>Remed</i> ve a squ 166-33	ER may be co ter are dep y uare box in and Figure	P74 KDPOF Comment Status D nfuse, because the square b icted continuous from 1 to 2 the middle of the shift regis e 166-34. Response Status W	2 and number	of them is small than 22.

C/ 166 SC 166.2.2.5

C/ 166	SC 16	6.2.2.5	P74	L 27	# 268
Ran, Adee			Cisco		
Comment	Туре 1	г	Comment Status D	1	LFSR
"Anney	(166A pro	ovides ex	amples of BASE-UU	ESR binary scrambler	sequences for G equal

"Annex 166A provides examples of BASE-U LFSR binary scrambler sequences for G equal to 1 and 2."

No, it provides portions of the specific scrambler sequences, not mere examples; and these sequences are not required to be generated by an LFSR (it is only a possible implementation).

#### SuggestedRemedy

Change to "Annex 166A provides partial listings of the scrambler sequences for G equal to 1 and 2".

Proposed Response	Response Status	w
PROPOSED ACCEPT.		

C/ 166	SC 166.2.2.5	P74	L 27	# 179
Pérez-Aranda, Rubén		KDPOF		
Comment Typ	e ER	Comment Status D		LFSR

The sequence to be xor-ed with the RS-FEC encoder output is generated by the LFSR, and the operation of xor composes the data scrambling. The random sequences are BASE-U binary scrambler LFSR sequences, instead BASE-U LFSR binary scrambler sequences.

### SuggestedRemedy

In page 74, line 27, change "BASE-U LFSR binary scrambler sequences" with " BASE-U binary scrambler LFSR sequences". Do similar change in Annex 166A title, 166A.2, Table 166A-1, 166A.3, and Table 166-2.

### Proposed Response Response Status W

PROPOSED REJECT.

LFSR is an implementation of the scrambler. Remove LFSR term from the sentence according to #257

Cl ·	C/ 166 SC 166.2.2.6		P74	L 29	#	180
Pér	ez-Aranda, R	ubén	KDPOF			
Cor	nment Type	ER	Comment Status D			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.

PROPOSED ACCEPT.

C/ 166 SC 166.2.2.7		P74	L 37, 38	# 181
Pérez-Aranda, Rubén		KDPOF		
Comment Type TR		Comment Status D		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?

#### SuggestedRemedy

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

Proposed Response Response Status W PROPOSED ACCEPT.

C/ 166 SC 166.2.2.7

C/ <b>166</b>	SC 166	5.2.2.8.1	P <b>74</b>	L <b>46</b>	# 182	C/ 166	SC 166.2.2.8.2	
Pérez-Ar	anda, Rubér	n	KDPOF			Pérez-Ara	anda, Rubén	
valid	entences "T on the first o	The control chara octet of the xMII	. The control chara	cter for start is la	<i>PCS encoding</i> D0 or O4 since it is only abeled as S0 or S4 for r XGMII and 25GMII.	encod	<i>Type</i> <b>ER</b> s confuse, at this lev ling. Transmit proces nit function, with alre	ss i
Suggeste Re-w write 49.2.	<i>dRemedy</i> rite first para technically o 4.1 as refere	agraph of 166.2. correct notation ence to write tec	.2.8.1. Use 802.3-2 convention for 50G hnically correct not	018 sub-clause iMII. Use 802.3-	82.2.3.1 as reference to	parag Proposed	ge "PCS transmit pro raph of this sub-clau <i>Response</i>	
	Response POSED AC	Respor CEPT IN PRINC	nse Status <b>W</b> CIPLE.			PROF	POSED ACCEPT.	
	editorial lice					<i>Cl</i> <b>166</b> Pérez-Ara	SC <b>166.2.2.8.2</b> anda, Rubén	
C/ 166	SC 166	5.2.2.8.1	P75	L 26	# 9	Comment	Type ER	Сс
is the block Even differ Cons Suggeste In Fig bit eF Make the "2 Imple	t Type Ti jure 166-10, same as th s before and with the tex ent until read ider append dRemedy jure 166-10, 'HD sub-blo appropriate 20-bit ePHD' ment with e	, it is difficult to c e "20-bit PHD s d after the "three t "Encoded PHE ding sub-Clause ling an "e" to the , change the blo ick n". Change f e changes in the " is relevant. ditorial license.	sub-block n" on line e-time Repetition C D" on line 25, it was e 166.1.4, specifica e "PHD" (to be "ePH cks named "20-bit the blocks named " e other Figures, suc	the "20-bit PHD 26 and line 35. ode" have the si in't clear to me t lly the paragraph HD") to improve PHD sub-block 20-bit PHD" to "	the differentiation. n" at line 26 to be "20-	block Suggester Remo tx_blo of a 63 Proposed PROF CI 166 Martino, K Comment Typo i be 160 Suggester "Table	ve sentence of page ock<0> 5-bit block" to spe <i>Response</i> OSED ACCEPT. <i>SC</i> 166.2.2.8.4 (jersti <i>Type</i> <b>E</b> in table number for c 6-4 <i>dRemedy</i> = 166-4 for BASE-U	ant e 77 ecif <u>í</u> <i>Re</i> <i>C</i> c
20-bi Howe comr	t PHD sub-b ever, the rea	olocks are the sa idability of Figur a single incomi	ame before and afte e 166-10 can be im	er this particular proved by addir	ng three arrows with	PROF	POSED ACCEPT.	

C/ 166	SC 1	66.2.2.8.2	P <b>76</b>	L 50	# 183	
Pérez-Arano	da, Ru	bén	KDPOF	:		
Comment Ty	/pe	ER	Comment Status	)		EZ

of hierarchy. We are in the specification of PCS 64B/65B s is part. PCS transmit process can be understood as PCS ady include 64B/65B encoding and much more functionality inside.

cess" with "Transmit process" Same for the beginning of the first se.

Proposed Response	Response Status	w

C/ 166	SC	166.2.2.8.2	P77	L 53	; #	184
Pérez-Ara	nda, Ru	ubén	KDPO	F		
Comment	Туре	ER	Comment Status	D		EZ

data/ctrl header and the remainder of the bits contain the 65-bit nt with the next sub-clause.

77 line 53. Start first paragraph page 78 with "The first bit

cify clearly how bits are mapped to tx\_block construct.

Response Status W

C/ 166	SC	166.2.2.8.4	P 79	L <b>46</b>	# 226
Martino, Kje	ersti		Inneos		
Comment T	vpe	Е	Comment Status D		EZ

ontrol codes for XGMII, 25GMII, listed as Table 166-5, but should

connected to XGMII or 25GMII"

Response Status W

TYPE: TR/technical required ER/editorial required GR/gener	al 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
SC	166.2.2.8.4

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C/ 166 SC 166.2.2.	.8.4 P79	L 46	# 197		C/ 166	SC 166.2.2.8.	4 F	°80	L 20	# 270
Pérez-Aranda, Rubén	KDPOF				Ran, Adee		Cis	CO		
Comment Type ER	Comment Status D			EZ	Comment T		Comment Statu			Reserved control codes
Incorrect reference.							only six, "reserved es listed reserved		odes in this tal	ole? Aren't all control
uggestedRemedy	5 for BASE-U PCS connected		All" with "Table 166	e 1	SuggestedF	Remedy				
for BASE-U PCS con	nected to XGMII or 25GMII"		AII WILL TADIE TOC	0—4	Delete t reserve		add a note that all	control coo	des other than	the ones listed are
roposed Response PROPOSED ACCEP	Response Status <b>W</b>				Proposed R	Response	Response Statu	s W		
	1.				PROPC	OSED REJECT.				
7 <b>166</b> SC <b>166.2.2.</b> Thomas, Huber	.8.4 P 79 Intel	L <b>46</b>	# 273			reserved control that use 64B/65		d in the tab	ble consistently	y with all the 802.3
omment Type E	Comment Status D			EZ	C/ 166	SC 166.2.2.8.	<b>4</b> F	°80	L 20	# 198
• •	m XGMII and 25GMII are tabl	e 166-4			Pérez-Aran	ida, Rubén	KD	POF		
uggestedRemedy					Comment T	ype TR	Comment Statu	us <b>D</b>		EZ
Change Table 166-5 t roposed Response PROPOSED ACCEP	Response Status W				are 4-bi block ty only ma	it, and used to er /pe field. Why res akes sense for se	ncode the ordered served0 through re	set contro eserved5 a	l codes using appears in this	e of the O codes, which in combination with the column? This column ets. See 802.3-2018
	••				49.2.4.4	4.				
		L 51	# 269		49.2.4.4 SuggestedF					
X 166 SC 166.2.2.		L 51	# 269		SuggestedF	Remedy	ugh reserved5 fror	m column '	"BASE-U PCS	O code".
2/ <b>166</b> SC <b>166.2.2</b> . Ran, Adee	.8.4 P79	L 51	# 269 EEE cap	pability	SuggestedF	Remedy e reserved0 thro	ugh reserved5 fror <i>Response Statu</i>		"BASE-U PCS	O code".
2/ <b>166</b> SC <b>166.2.2</b> . Ran, Adee	.8.4 P 79 Cisco Comment Status D negotiated"	L 51		pability	SuggestedF Remove Proposed R	Remedy e reserved0 thro	-		"BASE-U PCS	O code".
I <b>166</b> SC <b>166.2.2.</b> aan, Adee omment Type <b>T</b> "If EEE has not been How is EEE negotiate	.8.4 P 79 Cisco Comment Status D negotiated"	L 51		pability	SuggestedF Remove Proposed R	Remedy e reserved0 throi Response	Response Statu		"BASE-U PCS 	O code". # 251
A <b>166</b> SC <b>166.2.2.</b> an, Adee <i>omment Type</i> <b>T</b> "If EEE has not been How is EEE negotiate uggestedRemedy	.8.4 P 79 Cisco Comment Status D negotiated"			ability	SuggestedF Remove Proposed R PROPC	Remedy e reserved0 thron Response DSED ACCEPT.	Response Statu	280		
C/       166       SC       166.2.2.         Ran, Adee       Somment Type       T         "If EEE has not been       How is EEE negotiate         SuggestedRemedy       Please add some cross	.8.4 P 79 Cisco Comment Status D negotiated" ed?			pability	SuggestedF Remove Proposed R PROPC	Remedy e reserved0 thron Response DSED ACCEPT. SC 166.2.2.8.	Response Statu 4 F	280 260		
I 166 SC 166.2.2. Itan, Adee omment Type T "If EEE has not been How is EEE negotiate uggestedRemedy Please add some cross roposed Response PROPOSED ACCEP	.8.4 P 79 Cisco Comment Status D negotiated" ed? ss-reference and/or clarifying Response Status W	text.	EEE cap	pability	SuggestedF Remove Proposed R PROPC Cl 166 Ran, Adee Comment T Table 1 Is it exp	Remedy e reserved0 thron Response DSED ACCEPT. SC 166.2.2.8. Type T 66-4 footnote a spected that Fibre	Response Statu 4 F Cis Comment Statu says "Reserved fo	es W 280 aco us D r INCITS T sed over th	L <b>31</b> F11 Fibre Char	# 251 Reserved control codes
Cl 166       SC 166.2.2.         Ran, Adee         Comment Type       T         "If EEE has not been         How is EEE negotiate         SuggestedRemedy         Please add some cross         Proposed Response         PROPOSED ACCEP'         Substitute "If EEE has	.8.4 P 79 Cisco Comment Status D negotiated" ed? ss-reference and/or clarifying Response Status W T IN PRINCIPLE. s not been negotiated" with "If riflying text explaining how EE	text. EEE capability is	EEE cap		SuggestedF Remove Proposed R PROPO Cl 166 Ran, Adee Comment T Table 1 Is it exp reserve	Remedy e reserved0 thron Response DSED ACCEPT. SC 166.2.2.8. Type T 66-4 footnote a spected that Fibre	Response Statu 4 F Cis Comment Statu says "Reserved fo Channel will be us odes for Fibre Cha	es W 280 aco us D r INCITS T sed over th	L <b>31</b> F11 Fibre Char	# 251 Reserved control codes anel use."
A 166 SC 166.2.2. tan, Adee omment Type T "If EEE has not been How is EEE negotiate uggestedRemedy Please add some cross roposed Response PROPOSED ACCEP' Substitute "If EEE has Add the following clar "166.4.1 EEE capability EEE capability shall b	.8.4 P 79 Cisco Comment Status D negotiated" ed? ss-reference and/or clarifying Response Status W T IN PRINCIPLE. s not been negotiated" with "If riflying text explaining how EE	text. EEE capability is E capability is ena	EEE cap not enabled" abled in (p.104 l.2):		SuggestedF Remove Proposed R PROPC Cl 166 Ran, Adee Comment T Table 1 Is it exp reserve Similarl SuggestedF	Remedy e reserved0 thron Response DSED ACCEPT. SC 166.2.2.8. Type T 66-4 footnote a s bected that Fibre these specific co y in Table 166-5.	Response Statu 4 F Cis Comment Statu says "Reserved fo Channel will be us odes for Fibre Cha	es W 280 aco us D r INCITS T sed over th	L <b>31</b> F11 Fibre Char	# 251 Reserved control codes anel use."
Cl 166       SC 166.2.2.         Ran, Adee         Comment Type       T         "If EEE has not been         How is EEE negotiate         SuggestedRemedy         Please add some cross         Proposed Response         PROPOSED ACCEP         Substitute "If EEE has         Add the following clar         "166.4.1 EEE capability         EEE capability shall b         transmitted and receive	.8.4 P 79 Cisco Comment Status D negotiated" ed? ss-reference and/or clarifying <i>Response Status</i> W T IN PRINCIPLE. s not been negotiated" with "If rifiying text explaining how EE ity enable be enabled when the field PHE ved PHD, are equal to 1."	text. EEE capability is E capability is ena	EEE cap not enabled" abled in (p.104 l.2):		SuggestedF Remove Proposed R PROPC Cl 166 Ran, Adee Comment T Table 1 Is it exp reserve Similarl SuggestedF	Remedy e reserved0 throm Response DSED ACCEPT. SC 166.2.2.8. Type T 66-4 footnote a s bected that Fibre these specific co y in Table 166-5. Remedy the last row and the	Response Statu 4 F Cis Comment Statu says "Reserved fo Channel will be us odes for Fibre Cha	280 280 250 25 25 25 25 25 25 25 25 25 25 25 25 25	L <b>31</b> F11 Fibre Char	# 251 Reserved control codes anel use."
2/       166       SC       166.2.2.         Ran, Adee       Somment Type       T         "If EEE has not been       How is EEE negotiate         How is EEE negotiate       SuggestedRemedy         Please add some cross       Proposed Response         PROPOSED ACCEP'       Substitute "If EEE has         Add the following clar       "166.4.1 EEE capability         EEE capability shall b	.8.4 P 79 Cisco Comment Status D negotiated" ed? ss-reference and/or clarifying <i>Response Status</i> W T IN PRINCIPLE. s not been negotiated" with "If rifiying text explaining how EE ity enable be enabled when the field PHE ved PHD, are equal to 1."	text. EEE capability is E capability is ena	EEE cap not enabled" abled in (p.104 l.2):		SuggestedF Remove Proposed R PROPO Cl 166 Ran, Adee Comment T Table 1 Is it exp reserve Similarl SuggestedF Delete 1 Proposed R PROPO The sig	Remedy e reserved0 thron Response DSED ACCEPT. SC 166.2.2.8. SC 166.2.2.8. Toppe T 66-4 footnote a s bected that Fibre these specific co y in Table 166-5. Remedy the last row and Response DSED REJECT. nal order set res	Response Statu 4 F Cis Comment Statu says "Reserved fo Channel will be us odes for Fibre Cha footnote a. Response Statu	r INCITS T sed over th annel?	L 31 [11 Fibre Char hese PHYs? W	# 251 Reserved control codes anel use."

C/ 166 SC 166.2.2.8	3.6 P 81	L 24	# 252	Cl 166 SC 166.2.2.8.9 P82 L 3 # 200	
Ran, Adee	Cisco			Pérez-Aranda, Rubén KDPOF	
Comment Type E	Comment Status D		EZ	Comment Type ER Comment Status D	EZ
	14.2), "In general text, isolate	d numbers less tl	nan 10 should be	Two tables should in the reference.	
spelled out".				SuggestedRemedy	
There are two such nu	mbers in this line, 4 and 8, ar	d others may ex	st.	Replace "See Table 166–5 for the mappings." with "See Table 166–4 and Table 166	–5 for
SuggestedRemedy				the mappings."	
Change "4" to "four" ar				Proposed Response Response Status W	
	f isolated numbers across the	draft as necessa	ary.	PROPOSED ACCEPT IN PRINCIPLE. See #227.	
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			See #227.	
PROPOSED ACCEPT				C/ 166 SC 166.2.2.8.9 P82 L13 # 201	
C/ 166 SC 166.2.2.8	3.9 P82	L1	# 199	Pérez-Aranda, Rubén KDPOF	
Pérez-Aranda. Rubén	KDPOF			Comment Type ER Comment Status D	EZ
Comment Type E	Comment Status D		EZ	Incorrect reference.	
BASE-U PCS use one				SuggestedRemedy	
SuggestedRemedy				Replace "166.2.2.8.2" with "166.2.2.9"	
55 ,	PCS uses one kind …"			Proposed Response Response Status W	
Proposed Response	Response Status W			PROPOSED ACCEPT.	
PROPOSED ACCEPT	•			C/ 166 SC 166.2.2.9.2 P83 L6 # 203	
				Pérez-Aranda. Rubén KDPOF	
C/ 166 SC 166.2.2.8	3.9 P 82	L <b>3</b>	# 227	Comment Type ER Comment Status D	EZ
Martino, Kjersti	Inneos			Incorrect reference.	
Comment Type E	Comment Status D		EZ		
	66-5 for 50GMII for mapping	, but should also	list Table 166-4 to	SuggestedRemedy Replace "Variable set by the PHY TX control state diagram to control the 64B/65B en	readar
cover XGMII & 25GMII				operation (see 166.2.2.10)." with "Variable set by the PHY TX control state diagram to	
SuggestedRemedy				control the 64B/65B encoder operation (see 166.3.4.2)."	
	d 166-5 for the mappings."			Proposed Response Response Status W	
Proposed Response	Response Status W			PROPOSED ACCEPT.	
PROPOSED ACCEPT	IN PRINCIPLE.	the mannings "			
		are mappings.			

C/ 166 SC 166.2.2.9.2 Page 26 of 53 11/05/2022 18:42:56

C/ 166	SC 166.2.2.9.3	B P83	L 20	# 204	C/ 166 SC 166.2.2.9.3
Pérez-Ara	anda, Rubén	KDPOF			Martino, Kjersti
Comment	Type <b>TR</b>	Comment Status D		PCS encoding	Comment Type E
	OCK_TYPE = {C, S tx_raw	S, T, D, E} has to return add	litionally Ll, in ca	ase of LPI encoded by	Only reference Table 166- cover XGMII & 25GMII
Suggeste	dRemedy				SuggestedRemedy
Repla	ce in line 21, "to or	PE = {C, S, T, D, E}" with "T ne of the five types {C, S, T,	D, E} depending	g on its contents." with	"A valid character control 166–5."
		C, S, T, D, E, LI} depending	on its contents.		Proposed Response
PROF	Response POSED ACCEPT.	Response Status W			PROPOSED ACCEPT IN XGMII or 25GMII, a valid of Table 166-4. When BASE
C/ 166	SC 166.2.2.9.3		L <b>24</b>	# 205	containing a control code
	anda, Rubén	KDPOF			C/ 166 SC 166.2.2.9.3
Comment	51	Comment Status D		PCS encoding	Pérez-Aranda, Rubén
	raph from line 24 t tx raw vector.	o 38 provide definitions not	valid for a transi	nitter function that uses	Comment Type ER
	—				Additional reference need
Suggeste	-	with looping from 802 2 2016	0.0/40.0.40.0.0.	"C. The vector containe	SuggestedRemedy
	f the following:	vith (copies from 802.3-2018	0 0/49.2.13.2.3.	C, the vector contains	Replace "specified in Tabl
a) eig	ht valid control cha	racters other than /O/, /S/, /		if the EEE	Proposed Response
b) one c) two	e valid ordered set valid ordered sets		cters other than	/O/, /S/ and /T/;	PROPOSED ACCEPT IN See #228.
		nis vector contains eight /Ll/ n /S/ in its first or fifth chara		ters before the S	C/ 166 SC 166.2.2.9.3
		ol characters other than /O/			Pérez-Aranda, Rubén
		acters following the /S/ are			Comment Type ER
		/T/ in one of its characters, acters following the /T/ are v			Additional reference need
than /	O/, /S/ and /T/.	C			SuggestedRemedy
		ight data characters.	rvoluo "		Replace "three characters
	Response	neet the criteria for any othe <i>Response Status</i> <b>W</b>	r value.		following the /O/. A valid / BASE-U PCS"
•					
•	POSED ACCEPT.				Proposed Response

marano, r	· · · · · ·				
Comment	Туре	Е	Comment Status D		E
		e Table 166 & 25GMII	6-5 for 50GMII for mapping,	but should also I	ist Table 166-4 to
Suggested	Remea	ly			
"A val 166–5		cter control	is one containing a xMII co	ontrol code specif	ied in Table 166-4 or
Proposed	Respon	se	Response Status W		
XGMI Table	l or 25G 166-4. \	iMII, a valid When BASE	I PRINCIPLE. Replace with character control is one con E-U PCS is connected to 50 specified in Table 166-5."	ntaining a control	l code specified in
C/ 166	SC	166.2.2.9.3	P83	L 52	# 206
		ıbén	KDPOF		
Pérez-Ara	inda, Ri				PCS encodin
Comment	Туре	ER erence need	Comment Status D		PCS encoun
Comment Additio Suggested	<i>Type</i> onal refe // <i>Reme</i> o	ER erence need ly		n Table 166-4 an	
Comment Additio Suggested Repla Proposed	Type onal refe Remea ce "spe Respon POSED	ER erence need ly cified in Tab	ded.	n Table 166-4 an	
Comment Addition Suggested Repla Proposed PROF	Type onal refe Remea Respon POSED 228.	ER erence need ly cified in Tab	ded. ble 166–5." with "specified ir <i>Response Status</i> <b>W</b> I PRINCIPLE.	n Table 166-4 and	
Comment Additio Suggested Repla Proposed PROF See #	Type onal refe Remea ce "spe Respon 20SED 228. SC	ER erence need ly cified in Tab se ACCEPT IN 166.2.2.9.3	ded. ble 166–5." with "specified ir <i>Response Status</i> <b>W</b> I PRINCIPLE.		d Table 166–5."
Comment Addition Suggested Repla Proposed PROF See # Cl 166 Pérez-Ara Comment	Type onal refe Remea ce "spe Respon 228. 228. SC nda, Ru Type	ER erence need ly cified in Tab se ACCEPT IN 166.2.2.9.3	ded. ble 166–5." with "specified ir <i>Response Status</i> <b>W</b> I PRINCIPLE. <i>P</i> 83 KDPOF <i>Comment Status</i> <b>D</b>		d Table 166–5."
Comment Addition Suggested Repla Proposed PROF See # Cl 166 Pérez-Ara Comment	Type onal refe Remea ce "spe Respon 228. SC nda, Ru Type onal refe	ER erence need /y cified in Tab se ACCEPT IN 166.2.2.9.3 ubén ER erence need	ded. ble 166–5." with "specified ir <i>Response Status</i> <b>W</b> I PRINCIPLE. <i>P</i> 83 KDPOF <i>Comment Status</i> <b>D</b>		d Table 166–5." # [ <u>207</u>
Comment Addition Suggested Repla Proposed PROF See # Cl 166 Pérez-Ara Comment Addition Suggested Repla followi	Type onal refe Remea ce "spe Respon OSED 228. SC nda, Ru Type onal refe Remea ce "thre	ER erence need ly cified in Tab se ACCEPT IN 166.2.2.9.3 ubén ER erence need ly e character (O/. A valid )	ded. ble 166–5." with "specified ir <i>Response Status</i> <b>W</b> I PRINCIPLE. <i>P</i> 83 KDPOF <i>Comment Status</i> <b>D</b>	L <b>54</b> SE-U PCS" with "f	d Table 166–5." # [ <u>207</u> <i>PCS encodin</i>

P 83

Inneos

L 52

# 228

C/ 166 SC 166.2.2.9.3

C/ 166	SC 166.2.2.9.3	B P 84	L <b>3</b>	# 208		C/ 166 SC 166.2.3	P 84	L <b>25</b>	# 210
Pérez-Arar	nda, Rubén	KDPOF				Pérez-Aranda, Rubén	KDPO	F	
Comment T Classif conver	ication in case of	Comment Status D LPI not supported is defined	l, however addin	g a note can be	EZ	Comment Type ER There is a plurality of	Comment Status RS-FEC messages.	D	EZ
does n type E.	ter line 3, before 1 ot support EEE cl	「_TYPE(tx_raw<71:0>) defi assifies vectors containing ₀				SuggestedRemedy Replace "The RS-FE( Proposed Response PROPOSED ACCEP	C message obtained" wi <i>Response Status</i> Г.		ssage obtained"
Add no	OSED ACCEPT II ote: "NOTE — A B	Response Status W N PRINCIPLE. ASE-U PHY without EEE ca characters as type E."	apability classifie	s vectors containing	g	C/ 166 SC 166.2.3 Pérez-Aranda, Rubén Comment Type TR	P <b>84</b> KDPOI Comment Status	F	# 211 EZ
C/ 166	SC 166.2.3	P84	L 15	# 185		51	specification about RX	_	
Pérez-Arar Comment 7	nda, Rubén <i>Type</i> <b>TR</b>	KDPOF Comment Status D ent.Already in 166.2.3.6.	L 13	# <u>185</u>	EZ	SuggestedRemedy Replace "as specified Figure 166-18"	in Figure 166–18." with	"as specified in 166.	2.3.7 with mapping of
Suggested Remov	•	receive bit ordering in Figur	e 166–17."			Proposed Response PROPOSED ACCEP	Response Status Г.	W	
Proposed F PROP	Response OSED ACCEPT.	Response Status W				Cl 166 SC 166.2.3 Pérez-Aranda, Rubén	P 84 KDPO	L <b>33</b> F	# 214
C/ <b>166</b> Pérez-Arar Comment T	SC <b>166.2.3</b> nda, Rubén Tvpe <b>TR</b>	P84 KDPOF Comment Status D	L <b>25</b>	# 209	EZ	Comment Type TR They are transfers (eir SuggestedRemedy	,	_	EZ
Error s	ymbols are not de C decoder implen	fined. How the codewords a nentation.	are marked as er	roneous depends c	on	Replace "50GMII data Proposed Response PROPOSED ACCEP"	transfers" with "50GMI <i>Response Status</i> Г.		
Replac	e "with error sym	ools" with "as erroneous"				C/ 166 SC 166.2.3	P 84	L 33	# 212
Proposed F PROP	Response OSED ACCEPT.	Response Status W				Pérez-Aranda, Rubén <i>Comment Type</i> <b>TR</b> They are transfers (ei	KDPOI Comment Status	-	EZ
						SuggestedRemedy Replace "XGMII or 25	GMII data transfers" wit	h "XGMII or 25GMII t	ransfers"
						Proposed Response PROPOSED ACCEP	Response Status	w	
	•	ER/editorial required GR/ patched A/accepted R/reject				eneral itten C/closed U/unsatisfied .		C/ 166 SC 166.2.3	Page 28 of 53 11/05/2022 18:4

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/ <b>166</b>	SC 166.2.3	P 84	L 36	# 213		C/ 166	SC 16	5.2.3.1	P 84	L 50	# 254
Pérez-Ara	anda, Rubén	KDPOF				Ran, Adee			Cisco		
Comment	Type <b>TR</b>	Comment Status D		I	EZ	Comment 7	Гуре Т		Comment Status D		LFSR
Figure	e is not providing :	specification about RXC.				0			ith same initialization value	•	
Suggested	dRemedy								same LFSR, since the initia scrambler in 166.2.2.5 are		
	ce "as specified in e 166-19"	n Figure 166–19." with "as sp	ecified in 166.2	.3.7 with mapping of			ation valu			only the polyne	
•	Response POSED ACCEPT.	Response Status W							e initialization occurs. I ass cquisition, but it would bette		
FNOF	OSED ACCEPT.					Suggestedl	Remedy				
C/ 166	SC 166.2.3.1	P 84	L <b>49</b>	# 253				g the san	ne polynomial and the same	e initialization va	lue as specified in
Ran, Adee	е	Cisco				166.2.2	2.5".				
Comment	Туре Т	Comment Status D		Text improveme	ent	Clarify	how the d	escramb	oler lock is acquired.		
"The c	descrambler shall	process the 195 840 Transm	nit Block bits"			Proposed F	Response		Response Status W		
Shoul	dn't it process the	e received bits? (yes, they are	e in a block calle	ed "Transmit block", but	t	PROP	DSED AC	CEPT IN	I PRINCIPLE.		
as wri Maybe	tten it is confusing e a "Receive bloc	g). k" should also be defined to l				Change 166.2.2		g the san	ne polynomial and the same	e initialization va	lue as specified in
	exist simultaneous	siy in a PHY).							need to be adquired becau		and random binary
Suggested	,								the begining of each Trans ves Transmit Block synchro		is the symbol where the
	rase as necessary								r each Transmit Block (first		
•	Response	Response Status W							nplemented by cross-correl		
	POSED ACCEPT	IN PRINCIPLE. process the 195 840 bits of a	a received Tran	smit Block"				,	nsmitter (LBLOCK_T) befor 3/cz/public/mar_2021/perez		<b>`</b>
		•									

C/ 166 SC 166.2.3.1

C/ <b>166</b>	SC 166.2	3.1	P 100	L 51	# 255	C/ 166	SC 16	6.2.3.3	P 86	L11	# 216
Ran, Adee			Cisco			Pérez-Ara	nda, Rub	én	KDPOF		
Comment 7	<sup>-</sup> уре <b>Т</b>	Comme	ent Status D		Text improvement	Comment	Туре	ER	Comment Status D		EZ
					based on estimation of	Repea	ted sente	ence.			
			han a given thresh		h expressed in base-2	Suggested	Remedy				
0			·····						CS receiver ordering shall s		
But T_l	_M is not giv	en anywhere.				•	•		ocks and 20-bit encoded PH	D sub-block." Fix	x PICS accordingly.
					on implementation,	Proposed I	•		Response Status W		
since th	ne quality cri	erion also dep	ends on the const	ellation distance	(to calculate the SNR).	PROP	OSED A	JCEPT.			
In addit	ion, the qua	ity criterion me	ay also be depend	ent on the proba	bility distribution of the	C/ 166	SC 16	6.2.3.3	P 86	L11	# 274
		of non-station	ary bit error statist	tics at the FEC ir	put, any maybe other	Thomas, H	luber		Intel		
factors.						Comment	Туре	E	Comment Status D		EZ
instead	left as an in	plementation	detail, then there n	may be no need	re not specified, and to define T_LM and LM	The tw figure	o senten	ces in thi	s pagraph are the same, ex	cept that the first	one doesn't refer to the
					eplaced by stating that , expressed in a base-2	Suggested	Remedy				
					criterion in 166.3.5.2.	Delete	the first	sentence			
Suggested	Remedy					Proposed I	Response	9	Response Status W		
		a given thresh	old T_LM" to "low	ver than an imple	mentation-specific	PROP	OSED A	CCEPT.			
thresho	old T_LM".					C/ 166	SC 16	6.2.3.4	P 86	L15	# 275
Consid	er rewriting t	nis subclause i	in the spirit of the I	last sentence in	the comment.	Thomas, H		0.2.0.4	Intel	210	# 215
Proposed F	lesponse	Respons	se Status W			Comment		т	Comment Status D		EZ
		PT IN PRINCI							alogous to Figure 166-10 for	the transmit dire	
	e "lower than old T_LM".	a given thresh	iold T_LM" to "low	er than an imple	mentation dependent				processing of the PHD		
	—				"	Suggested	Remedy				
C/ 166	SC 166.2	3.2	P 86	L 6	# 215	Add a	figure tha	it is the re	everse of Figure 166-10 and	a reference to it	t.
Pérez-Aran	,		KDPOF			Proposed I	Response	e	Response Status W		
Comment 7 I miss a	<i>Type</i> <b>ER</b> a reference	Comme	ent Status D		EZ	PROP	OSED A	CCEPT.			
Suggested	Remedy										
Replac			C_TYPE of the affe e affected 65-bit b		s equal to E" with "by (see 166.2.3.7.3)"						
	—	Respons	se Status <b>W</b>								

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 166.2.3.4 Page 30 of 53 11/05/2022 18:42:56

C/ 166	SC	166.2.3.5	P 86	L 25	# 217	C/ 166 SC 166
Pérez-Arar	nda, R	ubén	KDPOF			Pérez-Aranda, Rubér
Comment 7	Гуре	TR	Comment Status D		EZ	Comment Type TI
Incorre	ct refe	erence. Bloo	ck types are defined in differe	ent sub-clause.		Redundant shall s
Suggested	Reme	dy				SuggestedRemedy
			e field contains a reserved va erved value (see 166.2.2.8.3		2.8.4)." with "The block	Remove "The PC 166.2.2.3 decode
Proposed F	Respo	nse	Response Status 🛛 🛛 🛛 🖉			codeword is inval
PROP	OSED	ACCEPT.				Proposed Response
C/ 166	SC	166.2.3.5	P86	L 26	# 218	PROPOSED ACC See #276.
Pérez-Arar	nda, R	ubén	KDPOF			C/ 166 SC 166
Comment	Гуре	Е	Comment Status D		EZ	Pérez-Aranda, Rubér
Space	before	e Table 166	-14.			Comment Type T
Suggested	Reme	dy				/E/ is not valid va
Add sp	ace.					SuggestedRemedy
Proposed F PROP		nse ACCEPT.	Response Status W			Replace "The R_ R_BLOCK_TYPE
	~ ~					Proposed Response
C/ <b>166</b>		166.2.3.5	P 86	L 31	# 276	PROPOSED ACC
Thomas, H			Intel			This sentence is
Comment T		Т	Comment Status D		RS-FEC	C/ 166 SC 166
			aph seems out of place here ady covers the concept of e			Pérez-Aranda, Rubér
			ctable errors), and the final p			Comment Type T
line of	the cla	use.				The mapping fror
Suggested	Reme	dy				actual exposition
Delete	the la	st two para	graphs of 166.2.3.5.			in these media in xMII are not expo
Proposed F	Respo	nse	Response Status W			reconciliation laye
PROP	OSED	ACCEPT.				SuggestedRemedy
						Remove "if used" Just period after s

C/ 166	SC 166.2.3.5	P 86	L <b>31</b>	# 219
Pérez-Ara	nda, Rubén	KDPOF		
Comment	Type <b>TR</b>	Comment Status D		RS-FEC
Redun	dant shall stateme	ent. Already in 166.2.3.2.		
Suggested	Remedy			
166.2.		ve function shall check that ctly the 31 received codewo		
Proposed I	Response	Response Status W		
PROP See #2	OSED ACCEPT II 276.	N PRINCIPLE.		
C/ 166	SC 166.2.3.5	P 86	L <b>34</b>	# 220
Pérez-Ara	nda, Rubén	KDPOF		
Comment /E/ is r		Comment Status <b>D</b> R_BLOCK_TYPE, but E.		RS-FEC
Suggested	Remedy			
		_TYPE of an invalid 65-bit b nvalid 65-bit block is set to B		" with "The
	Response OSED ACCEPT II entence is remove			
C/ 166	SC 166.2.3.6	P86	L 39, 41	# 186
Pérez-Ara	nda, Rubén	KDPOF		
Comment	Type <b>TR</b>	Comment Status D		EZ
actual in thes xMII a	exposition of thes e media independ	blocks is specified by figure e xMII interfaces in a PHY in lent interfaces, so it cannot b used) in a PHY implement apped?	nplementation. Spectrum	pecification is provided other words, if these
Suggested	Remedy			
Damas		lines 20 and 44. Full stars		

Remove "if used" in both lines, 39 and 41. Full stop with new paragraph after first sentence. Just period after second sentence.

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 166 SC 166.2.3.6

C/ 166 SC 166.2.	.3.7.2 P89	L <b>14</b>	# 187	C/ 166	SC 166.2.3.	7.3	P 90	L 32	# 229
Pérez-Aranda, Rubén	KDPOF			Martino, Kj	jersti		Inneos		
Comment Type E	Comment Status D		EZ	Comment	Туре Е	Comment	t Status D		PCS encoding
Plural						166-5 for 50GI	MII, but should a	also list Table 166	6-4 to cover XGMII &
SuggestedRemedy				25GMI					
Replace "The leftmo	ost bit in the figure is" with "The	e leftmost bit in the	figures is"	Suggested	-			II	Table 400 4 an 400 5
Proposed Response	Response Status W							in Table 166-4 o	ı Table 166-4 or 166–5. r 166–5.
PROPOSED ACCE	PT.			Proposed I	Response	Response	Status W		
C/ 166 SC 166.2.	.3.7.3 P 89	L 35	# 188		OSED ACCEPT				
Pérez-Aranda, Rubén	KDPOF				in page 90 line ' le 166–4. A valio		ntrol character l	s one containing	a BASE-U control code
Comment Type ER	Comment Status D		EZ	is one	containing a O	code specified	l in Table 166–4	."	
Redundant				C/ 166	SC 166.2.3.	7.3	P 90	L <b>34</b>	# 191
SuggestedRemedy				Pérez-Ara	nda, Rubén		KDPOF		
Replace "and decoo	des the 65B RS-FEC bit vector'	' with "and decode	es it"	Comment	Type <b>TR</b>	Commen	t Status D		EEE capability
Proposed Response PROPOSED ACCE	Response Status W			Classif conver		of LPI not sup	ported is defined	d, however adding	g a note can be
C/ 166 SC 166.2	.3.7.3 P89	L 36	# 400	Suggested	Remedy				
		L 36	# 189						— A BASE-U PHY that
Pérez-Aranda, Rubén	KDPOF			type E.		classifies vec	tors containing o	one or more /LI/ c	control characters as
Comment Type TR	Comment Status D		EZ	Proposed I		Response	Status W		
	in the shall statement.				OSED ACCEPT	,			
SuggestedRemedy				Add no	ote:				
	DDE function shall decode the The DECODE function shall dec			/LI/ cor	ntrol characters	as type E."	. ,		ontaining one or more
Proposed Response	Response Status W			comme	ent #269.				for consistency with
PROPOSED ACCE	PT.				ent #269.			. ,	2

C/ 166 SC 166.2.3.7.3

C/ 166 SC 166.2.	3.7.3 PS	90 <i>L</i> 32,33	# 190	Cl 166 SC 166.2.3.	8 P 91	L <b>39</b>	# 277
Pérez-Aranda, Rubén	KDP	POF		Opsasnick, Eugene	Broadcom		
Comment Type ER	Comment Status	s D	PCS encoding	Comment Type E	Comment Status D		Technical fix required
Lack of reference to	Table 166-4.			In Fig. 166-20, RX_T (T + D + E)	state does not show next stat	te transitions whe	en R_TYPE(rx_block) =
SuggestedRemedy				( )			
			ntrol code in Table 166–5.	SuggestedRemedy	om RX T to RX E when R T	[VPE(ry_block) -	(T + D + E)
		specified in Table 166– trol code in Table 166–4	and Table 166–5. A valid	Proposed Response			(    D   L)
O code is one conta	ning a O code specifie	ed in Table 166–4 and 1	able 166–5."	PROPOSED REJECT	Response Status W		
Proposed Response	Response Status	5 W			X_T state check that the R_ <sup>-</sup>	TYPE_NEXT is n	ot T, is not D, and is not
PROPOSED ACCEI See #229.	PT IN PRINCIPLE.			E. (R TYPE NEXT = (S		_	
C/ 166 SC 166.2.3	3.8 <i>P</i> 9	91 <i>L</i> 10	# 192	C/ 166 SC 166.2.3	8 P91	L <b>41</b>	# 194
Pérez-Aranda, Rubén	KDP	POF		Pérez-Aranda, Rubén	KDPOF		
Comment Type ER	Comment Status	s D	EZ	Comment Type ER	Comment Status D		EZ
Transition R_TYPE(	rx_block) = (E + D + LI	I + T) is disconnected fr	om state RX_INIT	—	TYPE(rx_block) = C" from sta	te RX_T is separ	rated from the transition
= (	rx_block) = (E + D + LI	I + T) is disconnected fr	om state RX_INIT	line.	<pre>TYPE(rx_block) = C" from sta</pre>	ite RX_T is sepai	rated from the transition
= (	rx_block) = (E + D + LI	I + T) is disconnected fr	om state RX_INIT	line. SuggestedRemedy	( _ /	ite RX_T is sepai	rated from the transition
SuggestedRemedy	x_block) = (E + D + Ll Response Status		om state RX_INIT	line. SuggestedRemedy Move transition text c	oser to line.	ite RX_T is sepai	rated from the transition
SuggestedRemedy Connect it	Response Status		om state RX_INIT	line. SuggestedRemedy Move transition text c Proposed Response	oser to line. Response Status W	ite RX_T is sepai	rated from the transition
SuggestedRemedy Connect it Proposed Response PROPOSED ACCE	Response Status	5 W	_	line. SuggestedRemedy Move transition text c	oser to line. Response Status W	ite RX_T is separ	rated from the transition
SuggestedRemedy Connect it Proposed Response PROPOSED ACCEF Cl 166 SC 166.2.3	Response Status	5 W 91 <i>L</i> 11	om state RX_INIT	line. SuggestedRemedy Move transition text c Proposed Response	oser to line. Response Status W	te RX_T is separ	rated from the transition # 41
SuggestedRemedy Connect it Proposed Response PROPOSED ACCEF C/ 166 SC 166.2.3 Pérez-Aranda, Rubén	Response Status PT. 3.8 Ps KDP	<b>91</b> <i>L</i> 11 POF	# 193	line. SuggestedRemedy Move transition text c Proposed Response PROPOSED ACCEP	oser to line. Response Status W		
SuggestedRemedy Connect it Proposed Response PROPOSED ACCEI Cl 166 SC 166.2.3 Pérez-Aranda, Rubén Comment Type ER	Response Status PT. 3.8 Pt KDP Comment Status	5 W 91 L 11 POF 5 D	- # <u>193</u> EZ	line. SuggestedRemedy Move transition text c Proposed Response PROPOSED ACCEP C/ 166 SC 166.3	oser to line. <i>Response Status</i> <b>W</b> Γ. <b>P92</b>		
SuggestedRemedy Connect it Proposed Response PROPOSED ACCEI Cl 166 SC 166.2.3 Pérez-Aranda, Rubén Comment Type ER	Response Status PT. 3.8 Pt KDP Comment Status	5 W 91 L 11 POF 5 D	# 193	line. SuggestedRemedy Move transition text of Proposed Response PROPOSED ACCEP Cl 166 SC 166.3 Torres, Luisma Comment Type ER	oser to line. <i>Response Status</i> W T. <i>P</i> 92 KDPOF	 	# <u>41</u> EZ
SuggestedRemedy Connect it Proposed Response PROPOSED ACCEF C/ 166 SC 166.2.3 Pérez-Aranda, Rubén Comment Type ER Transition R_TYPE( position).	Response Status PT. 3.8 Pt KDP Comment Status	5 W 91 L 11 POF 5 D	- # <u>193</u> EZ	line. SuggestedRemedy Move transition text of Proposed Response PROPOSED ACCEP Cl 166 SC 166.3 Torres, Luisma Comment Type ER	oser to line. Response Status W T. P92 KDPOF Comment Status D	 	# <u>41</u> EZ
SuggestedRemedy Connect it Proposed Response PROPOSED ACCEI Cl 166 SC 166.2.3 Pérez-Aranda, Rubén Comment Type ER Transition R_TYPE(	Response Status PT. 3.8 Pt KDP Comment Status	5 W 91 L 11 POF 5 D	- # <u>193</u> EZ	line. SuggestedRemedy Move transition text of Proposed Response PROPOSED ACCEP CI 166 SC 166.3 Torres, Luisma Comment Type ER "link quality" is not the SuggestedRemedy	oser to line. Response Status W T. P92 KDPOF Comment Status D	 	# <u>41</u> EZ
SuggestedRemedy Connect it Proposed Response PROPOSED ACCEF C/ 166 SC 166.2.3 Pérez-Aranda, Rubén Comment Type ER Transition R_TYPE( position). SuggestedRemedy	Response Status PT. 3.8 Pt KDP Comment Status	91 L 11 POF s D prtical line in the middle	- # <u>193</u> EZ	line. SuggestedRemedy Move transition text of Proposed Response PROPOSED ACCEP CI 166 SC 166.3 Torres, Luisma Comment Type ER "link quality" is not the SuggestedRemedy	oser to line. <i>Response Status</i> W T. <i>P</i> 92 KDPOF <i>Comment Status</i> D name of the state machine of	 	# <u>41</u> EZ

C/ 166 SC 166.3

	P <b>92</b>	L <b>48</b>	# 40	C/ <b>166</b>	SC 166.4.1	P 104	L <b>6</b>	# 20	
Torres, Luisma	KDPOF			Hayashi,Ta	akehiro	HAT Labs			
Comment Type ER Comm 166.3.4 also includes PHD monit	<i>ent Status</i> <b>D</b> or		Hierarchy level	Comment "in the	<i>Type</i> <b>E</b> sense" may be i	Comment Status D ncorrect.			EZ
SuggestedRemedy				Suggested	Remedy				
Replace "PHY control and link m	onitoring" by "PHY o	control, link monif	oring, and PHD	chage	to "in the sense	that".			
monitoring" Proposed Response Respon	se Status W			Proposed I	Response	Response Status W			
PROPOSED ACCEPT.				PROP	OSED ACCEPT.				
			# 405	C/ 166	SC 166.4.2	P 104	L 23	# 196	
C/ 166 SC 166.3.4.3	P 98	L 18	# 195	Pérez-Arai	nda, Rubén	KDPOF			
Pérez-Aranda, Rubén			-7	Comment	Type ER	Comment Status D			ΕZ
Comment Type E Comm State diagram is specified instea	<i>ent Status</i> <b>D</b> d of state machine.		EZ			S physical header transmit b b-clause where physical he			priate
SuggestedRemedy				Suggested	Remedy				
Change "machine" with "diagram	1.			Chang	e "(see 166.2.2.6	6)." with "(see 166.2.2.1)."			
Proposed Response Respon PROPOSED ACCEPT.	ose Status W			Proposed I PROP	Response OSED ACCEPT.	Response Status W			
C/ 166 SC 166.3.5.2	P100	L 53	# 256	C/ 166	SC 166.4.2.4	P 105	L 41	# 230	
Ran, Adee	Cisco			Martino, Kj	ersti	Inneos			
Comment Type T Comm	ent Status D		EZ	Comment		Comment Status D			ΕZ
"If the condition <condition equ<="" in="" td=""><td>ation&gt; holds, the va</td><td>ariable loc_rcvr_s</td><td>tatus is assigned the</td><td>Figure</td><td>166-31 is showr</td><td>n after figure 166-32. Note th</td><td>ne figures are actu</td><td>ally on page 106.</td><td></td></condition>	ation> holds, the va	ariable loc_rcvr_s	tatus is assigned the	Figure	166-31 is showr	n after figure 166-32. Note th	ne figures are actu	ally on page 106.	
value OK"	what hannana if it d			Suggested	Remedy				
value OK" Language can be simplified; and	what happens if it c	loes not?							
Language can be simplified; and	what happens if it c	loes not?			igure 166-31 dire	ectly below figure 166-30			
	status is assigned t		condition in equation>.	Move f Proposed I		Response Status W			
Language can be simplified; and SuggestedRemedy Change to "the variable loc_rcvr_ Otherwise, it is assigned the valu Proposed Response Respon	status is assigned t		condition in equation>.	Move f Proposed I	Response	Response Status W	L 37	# 221	
Language can be simplified; and SuggestedRemedy Change to "the variable loc_rcvr_ Otherwise, it is assigned the valu	status is assigned t e NOT_OK".		condition in equation>.	Move f Proposed I PROP CI 166	Response OSED ACCEPT. SC <b>166.4.3</b>	Response Status W	L 37	# 221	
Language can be simplified; and SuggestedRemedy Change to "the variable loc_rcvr_ Otherwise, it is assigned the valu Proposed Response Respon	status is assigned t e NOT_OK".		condition in equation>.	Move f Proposed I PROP CI 166	Response OSED ACCEPT. SC <b>166.4.3</b> nda, Rubén	Response Status W	L 37	# 221	EZ
Language can be simplified; and SuggestedRemedy Change to "the variable loc_rcvr_ Otherwise, it is assigned the valu Proposed Response Respon	status is assigned t e NOT_OK".		condition in equation>.	Move f Proposed F PROP C/ 166 Pérez-Arai Comment	Response OSED ACCEPT. SC <b>166.4.3</b> nda, Rubén Type <b>ER</b>	Response Status W P106 KDPOF	L 37	# [221	EZ
Language can be simplified; and SuggestedRemedy Change to "the variable loc_rcvr_ Otherwise, it is assigned the valu Proposed Response Respon	status is assigned t e NOT_OK".		condition in equation>.	Move f Proposed F PROP C/ 166 Pérez-Arai Comment	Response OSED ACCEPT. SC <b>166.4.3</b> Inda, Rubén Type <b>ER</b> s 166-32 and 166	Response Status W P106 KDPOF Comment Status D	L 37	# 221	EZ
Language can be simplified; and SuggestedRemedy Change to "the variable loc_rcvr_ Otherwise, it is assigned the valu Proposed Response Respon	status is assigned t e NOT_OK".		condition in equation>.	Move f Proposed I PROP CI <b>166</b> Pérez-Arai Comment Figures Suggested	Response OSED ACCEPT. SC <b>166.4.3</b> Inda, Rubén Type <b>ER</b> Is 166-32 and 160 Remedy	Response Status W P106 KDPOF Comment Status D			EZ
Language can be simplified; and SuggestedRemedy Change to "the variable loc_rcvr_ Otherwise, it is assigned the valu Proposed Response Respon	status is assigned t e NOT_OK".		condition in equation>.	Move f Proposed I PROP CI <b>166</b> Pérez-Arai Comment Figures Suggested	Response OSED ACCEPT. SC 166.4.3 nda, Rubén Type ER s 166-32 and 160 Remedy anchors of the fi	Response Status W P106 KDPOF Comment Status D 6-31 are in reverse order.			EZ

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 166.4.3 11/05/2022 18:42:57 SORT ORDER: Clause, Subclause, page, line

C/ 166 SC	C 166.5.1	P 108	L <b>4</b>	# 22	C/ 166 SC 166.5.	.1 <i>P</i> 108	L 15	# 132	
-layashi,Takehi	iro	HAT Labs			Pérez-Aranda, Rubén	KDPOF			
Comment Type	Е	Comment Status D		Normative wording	Comment Type ER	Comment Status D			ΕZ
"BER test is	s run betweer	n" should be a requirement.			Redundant				
SuggestedRem	ledy				SuggestedRemedy				
use "shall".						link partner receiver is in BER	test mode operati	on mode," with "Whe	ən
Proposed Resp	onse	Response Status W			•	eiver is in BER test mode,"			
This senten		ductory description of a setup			Proposed Response PROPOSED ACCE	Response Status W			
		-			C/ 166 SC 166.5.	.1 <i>P</i> 108	L <b>21</b>	# 133	
	C 166.5.1	P 108	L <b>5</b>	# 23	Pérez-Aranda, Rubén	KDPOF			
Hayashi,Takehi		HAT Labs			Comment Type ER	Comment Status D			ΕZ
Comment Type		Comment Status D		Normative wording	Redundant				
	•	n, "may"should be used.			SuggestedRemedy				
SuggestedRem	nedv				Replace "The transi	mitter shall announce to the link	narthar racaivar	the BER test mode	
change to "	'may".	<b>D</b>				th "The transmitter shall annour			R
Proposed Resp	'may". oonse	Response Status W			operation mode" wit test mode"				R
Proposed Resp PROPOSEI	'may". oonse D REJECT.	<i>Response Status</i> <b>W</b> bility of the BER test mode is	described.		operation mode" wit	th "The transmitter shall annour Response Status W			R
Proposed Resp PROPOSEI In this sente	'may". ponse D REJECT. ence, a capat	,			operation mode" wit test mode" Proposed Response	th "The transmitter shall annour <i>Response Status</i> <b>W</b> PT.			R
Proposed Resp PROPOSEI In this sente IEEE SA St	'may". ponse D REJECT. ence, a capat tandards Style	bility of the BER test mode is e Manual 2021 Clause 9, pag	je 9:	n the limits of the	operation mode" wit test mode" Proposed Response PROPOSED ACCE	th "The transmitter shall annour <i>Response Status</i> <b>W</b> PT.	nce to the link part	ner receiver the BEF	R
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m	'may". oonse D REJECT. ence, a capat tandards Style may is used to nay equals is	bility of the BER test mode is e Manual 2021 Clause 9, pag o indicate a course of action p permitted to).	je 9: permissible with		operation mode" wit test mode" Proposed Response PROPOSED ACCE Cl 166 SC 166.5.	th "The transmitter shall annour <i>Response Status</i> <b>W</b> PT. .4 P109	nce to the link part	ner receiver the BEF	
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m The word ca	'may". oonse D REJECT. ence, a capat tandards Style may is used to nay equals is an is used for	bility of the BER test mode is e Manual 2021 Clause 9, pag o indicate a course of action p permitted to). r statements of possibility and	je 9: permissible with		operation mode" wit test mode" Proposed Response PROPOSED ACCE C/ 166 SC 166.5. Pérez-Aranda, Rubén	th "The transmitter shall annour <i>Response Status</i> W PT. .4 <i>P</i> 109 KDPOF	nce to the link part	ner receiver the BEF	R EZ
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m The word ca or causal (c	'may". onse D REJECT. ence, a capat tandards Style may is used to nay equals is an is used for can is used for can is used for	bility of the BER test mode is e Manual 2021 Clause 9, pag o indicate a course of action p permitted to). r statements of possibility and able to)."	je 9: permissible with I capability, whe	ther material, physical,	operation mode" wit test mode" Proposed Response PROPOSED ACCE C/ 166 SC 166.5. Pérez-Aranda, Rubén Comment Type E	th "The transmitter shall annour <i>Response Status</i> W PT. .4 <i>P</i> 109 KDPOF	nce to the link part	ner receiver the BEF	
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m The word ca or causal (c	'may". oonse D REJECT. ence, a capat tandards Style may is used to nay equals is an is used for	bility of the BER test mode is e Manual 2021 Clause 9, pag o indicate a course of action p permitted to). r statements of possibility and	je 9: permissible with		operation mode" wit test mode" Proposed Response PROPOSED ACCE Cl 166 SC 166.5. Pérez-Aranda, Rubén Comment Type E Confuse sentence. SuggestedRemedy Replace "Bit sequer	th "The transmitter shall annour Response Status W PT. .4 P109 KDPOF Comment Status D nce C is a 5462-bit sequence w	L <b>5</b>	the receiver the BEF # <u>134</u>	EZ
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m The word ca or causal (c C/ <b>166</b> SC Martino, Kjersti	may". onse D REJECT. ence, a capat tandards Style may is used to nay equals is an is used for can equals is C 166.5.1	bility of the BER test mode is e Manual 2021 Clause 9, pag o indicate a course of action p permitted to). r statements of possibility and able to)."	je 9: permissible with I capability, whe	ther material, physical,	operation mode" with test mode" Proposed Response PROPOSED ACCE C/ 166 SC 166.5. Pérez-Aranda, Rubén Comment Type E Confuse sentence. SuggestedRemedy Replace "Bit sequer encoding" with "Bit se	th "The transmitter shall annour Response Status W PT. A P109 KDPOF Comment Status D nce C is a 5462-bit sequence w sequence C is a 5462-bit sequence w	L <b>5</b>	the receiver the BEF # <u>134</u>	EZ
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m The word ca or causal (c C/ 166 SC Martino, Kjersti Comment Type	may". onse D REJECT. ence, a capat tandards Style may is used to nay equals is an is used for can equals is C 166.5.1 E	bility of the BER test mode is e Manual 2021 Clause 9, pag o indicate a course of action p permitted to). r statements of possibility and able to)." P108 Inneos Comment Status D	ge 9: permissible with d capability, whe <i>L</i> <b>9</b>	ther material, physical, # 231 EZ	operation mode" with test mode" Proposed Response PROPOSED ACCE Cl 166 SC 166.5. Pérez-Aranda, Rubén Comment Type E Confuse sentence. SuggestedRemedy Replace "Bit sequer encoding" with "Bit sequer	th "The transmitter shall annour Response Status W PT. 4 P109 KDPOF Comment Status D nce C is a 5462-bit sequence w sequence C is a 5462-bit seque Response Status W	L <b>5</b>	the receiver the BEF # <u>134</u>	EZ
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m The word ca or causal (c C/ 166 SC Martino, Kjersti Comment Type Change wo	may". onse D REJECT. ence, a capat tandards Style may is used to nay equals is an is used for can equals is C 166.5.1 E ording for clari	bility of the BER test mode is e Manual 2021 Clause 9, pag o indicate a course of action p permitted to). r statements of possibility and able to)." P108 Inneos	ge 9: permissible with d capability, whe <i>L</i> <b>9</b>	ther material, physical, # 231 EZ	operation mode" with test mode" Proposed Response PROPOSED ACCE C/ 166 SC 166.5. Pérez-Aranda, Rubén Comment Type E Confuse sentence. SuggestedRemedy Replace "Bit sequer encoding" with "Bit se	th "The transmitter shall annour Response Status W PT. 4 P109 KDPOF Comment Status D nce C is a 5462-bit sequence w sequence C is a 5462-bit seque Response Status W	L <b>5</b>	the receiver the BEF # <u>134</u>	EZ
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m The word ca or causal (c C/ 166 SC Martino, Kjersti Comment Type Change wo SuggestedRem	may". onse D REJECT. ence, a capab tandards Style may is used to nay equals is an is used for can equals is C 166.5.1 E ording for clari- nedy	bility of the BER test mode is a e Manual 2021 Clause 9, pag o indicate a course of action p permitted to). r statements of possibility and able to)." P108 Inneos Comment Status D ity of the following: "regardles:	ge 9: permissible with d capability, whe <i>L</i> <b>9</b>	ther material, physical, # 231 EZ	operation mode" with test mode" Proposed Response PROPOSED ACCE Cl 166 SC 166.5. Pérez-Aranda, Rubén Comment Type E Confuse sentence. SuggestedRemedy Replace "Bit sequer encoding" with "Bit sequer	th "The transmitter shall annour Response Status W PT. 4 P109 KDPOF Comment Status D nce C is a 5462-bit sequence w sequence C is a 5462-bit seque Response Status W	L <b>5</b>	the receiver the BEF # <u>134</u>	EZ
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m The word ca or causal (c C/ 166 SC Martino, Kjersti Comment Type Change wo SuggestedRem	may". onse D REJECT. ence, a capat tandards Style may is used to nay equals is an is used for can equals is C 166.5.1 E ording for clari	bility of the BER test mode is a e Manual 2021 Clause 9, pag o indicate a course of action p permitted to). r statements of possibility and able to)." P108 Inneos Comment Status D ity of the following: "regardles:	ge 9: permissible with d capability, whe <i>L</i> <b>9</b>	ther material, physical, # 231 EZ	operation mode" with test mode" Proposed Response PROPOSED ACCE Cl 166 SC 166.5. Pérez-Aranda, Rubén Comment Type E Confuse sentence. SuggestedRemedy Replace "Bit sequer encoding" with "Bit sequer	th "The transmitter shall annour Response Status W PT. 4 P109 KDPOF Comment Status D nce C is a 5462-bit sequence w sequence C is a 5462-bit seque Response Status W	L <b>5</b>	the receiver the BEF # <u>134</u>	EZ
Proposed Resp PROPOSEI In this sente IEEE SA St "The word r standard (m The word ca or causal (c C/ 166 SC Martino, Kjersti Comment Type Change wo SuggestedRem	may". onse D REJECT. ence, a capating tandards Style may is used to nay equals is an is used for can equals is C 166.5.1 E ording for clari- nedy s of the link sta	bility of the BER test mode is a e Manual 2021 Clause 9, pag o indicate a course of action p permitted to). r statements of possibility and able to)." P108 Inneos Comment Status D ity of the following: "regardles:	ge 9: permissible with d capability, whe <i>L</i> <b>9</b>	ther material, physical, # 231 EZ	operation mode" with test mode" Proposed Response PROPOSED ACCE Cl 166 SC 166.5. Pérez-Aranda, Rubén Comment Type E Confuse sentence. SuggestedRemedy Replace "Bit sequer encoding" with "Bit sequer	th "The transmitter shall annour Response Status W PT. 4 P109 KDPOF Comment Status D nce C is a 5462-bit sequence w sequence C is a 5462-bit seque Response Status W	L <b>5</b>	the receiver the BEF # <u>134</u>	EZ

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C/ 166 SC 166.5.4	P 109	L 32	# 135		C/ 166 SC 166.6.2.	1.2 P111	L <b>45</b>	# 84
Pérez-Aranda, Rubén	KDPOF				Pérez-Aranda, Rubén	KDPOF		
Comment Type <b>TR</b> Incorrect shift register.	Comment Status D			EZ	Comment Type ER Here the transmit cloc	Comment Status <b>D</b> k period term is used, instead	d of transmit symb	ool period of 166.3.1
SuggestedRemedy Replace "r[21]" with "r[2	24]"				SuggestedRemedy Unify using transmit sy	/mbol period.		
roposed Response PROPOSED ACCEPT.	Response Status W				Proposed Response PROPOSED ACCEPT	Response Status W		
C/ 166 SC 166.5.5	P 110	L 12	# 136		C/ 166 SC 166.6.3.2	2 <i>P</i> 113	L <b>41</b>	# 85
Pérez-Aranda, Rubén	KDPOF				Pérez-Aranda, Rubén	KDPOF		
<i>Comment Type</i> <b>T</b> Generation of bit seque	Comment Status <b>D</b> ence A is not correct.			EZ	<i>Comment Type</i> <b>E</b> Change transmitter op	Comment Status <b>D</b> tical specifications to transmi	itter optical chara	cteristics.
"Bit sequence A is form and A3."	A is formed by concatenating and by binary inverting the co				SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT	Response Status W		
roposed Response PROPOSED ACCEPT.	Response Status W				C/ 166 SC 166.6.3.		L <b>52</b>	# 86
C/ 166 SC 166.6.1	P111	L	# 24		Pérez-Aranda, Rubén	KDPOF		
lavashi Takehiro	HAT Labs				Comment Type E	Comment Status D		
-	HAT Labs Comment Status D			ΕZ		Comment Status D	otical characterist	ics.
comment Type E no contents	HAT Labs Comment Status D			EZ			otical characteristi	ics.
omment Type E no contents uggestedRemedy add contents, otherwise	Comment Status D			EZ	Change receive optica SuggestedRemedy Per comment Proposed Response	I specifications to receiver of Response Status W	otical characterist	ics.
omment Type E no contents uggestedRemedy add contents, otherwise	Comment Status D e delete the sub-clause Response Status W			EZ	Change receive optica SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT	Response Status W		
Comment Type E no contents SuggestedRemedy add contents, otherwise Proposed Response	Comment Status D e delete the sub-clause Response Status W			EZ	Change receive optical SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT C/ 166 SC 166.6.3.4	Response Status W	btical characteristi	ics. # <u>87</u>
omment Type E no contents uggestedRemedy add contents, otherwise roposed Response	Comment Status D e delete the sub-clause Response Status W			EZ	Change receive optical SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT Cl 166 SC 166.6.3.4 Pérez-Aranda, Rubén Comment Type <b>TR</b>	Response Status W	L7	# 87
no contents SuggestedRemedy add contents, otherwise Proposed Response	Comment Status D e delete the sub-clause Response Status W			EZ	Change receive optical SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT Cl 166 SC 166.6.3.4 Pérez-Aranda, Rubén Comment Type <b>TR</b>	Response Status W P114 KDPOF Comment Status D	L7	# 87

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/
 166

 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC
 166

 SORT ORDER: Clause, Subclause, page, line
 C/
 166
 166

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C/ 166	SC 166.6.4.1	P 114	L <b>26</b>	# 88	C/ 166 SC 166.6.4.2	2 <i>P</i> 115	L 48	# 279	
Pérez-Aran	ida, Rubén	KDPOF			Simms, William	NVIDIA			
Comment T	ype E	Comment Status D		EZ	Comment Type E	Comment Status D			ΕZ
		the 2.5GBASE-AU, 5GBASE	E-AU, 10GBASI	E-AU, 25GBASE-AU,	footnote b of table 166	-9 has typo "launch power blo	ow this value"		
	GBASE-AU PMD	ls			SuggestedRemedy				
SuggestedF	•				correct 'blow' to below				
•		ange for the BASE-AU PMDs	5		Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			
Proposed R PROPC	SED ACCEPT.	Response Status W			PROPOSED ACCEPT				
C/ 166	SC 166.6.4.2	P 115	L6	# 90	C/ 166 SC 166.6.4.2	2 <i>P</i> 115	L 48	# 25	
Pérez-Aran		KDPOF	20	<i>"</i> <u></u> 50	Hayashi,Takehiro	HAT Labs			
Comment T	,	Comment Status D		TXRX Characteristics	Comment Type E typo "blow"	Comment Status D			ΕZ
perezar	ed with several of randa_3cz_01_2	bjectives: Be consistent with 205_TDFOM_Simpler.pdf, E	xtend upper lim	it of TDFOM to allow	SuggestedRemedy "below"				
perezar larger in with mo impleme SuggestedF	ed with several o randa_3cz_01_2: mplementation pro pre realistic TX in entation (i.e. min Remedy		xtend upper lim P and max OM	hit of TDFOM to allow IA to be more consistent	"below" Proposed Response PROPOSED ACCEPT CI 166 SC 166.6.4.2	2 <i>P</i> 115	L 48	# 26	
propose perezar larger in with mo impleme SuggestedF Change	ed with several of randa_3cz_01_2: mplementation pro- pre realistic TX in entation (i.e. min Remedy e values of Table	205_TDFOM_Simpler.pdf, E. enalties, and reduce max AC nplementation (i.e. reduced c trans-impedance)	xtend upper lim P and max OM current in low te	hit of TDFOM to allow IA to be more consistent	"below" Proposed Response PROPOSED ACCEPT	2 P115 HAT Labs	L <b>48</b>	# 26	
propose perezar larger in with mo impleme SuggestedR Change perezar Proposed R	ed with several of randa_3cz_01_2: mplementation peo- pre realistic TX im entation (i.e. min Remedy e values of Table randa_3cz_02_2:	205_TDFOM_Simpler.pdf, E. enalties, and reduce max AC nplementation (i.e. reduced c trans-impedance) 166–9, according to 205_TXRX_Characteristics.p <i>Response Status</i> <b>W</b>	xtend upper lim P and max OM current in low te	hit of TDFOM to allow IA to be more consistent	"below" Proposed Response PROPOSED ACCEPT CI 166 SC 166.6.4.2 Hayashi,Takehiro Comment Type E Although main body de	2 <i>P</i> 115	et the specificati	ions in Table-9", not	EZ te b
propose perezar larger in with mo impleme SuggestedR Change perezar Proposed R	ed with several of randa_3cz_01_2: mplementation peo- pre realistic TX im entation (i.e. min Remedy e values of Table randa_3cz_02_2: Response	205_TDFOM_Simpler.pdf, E. enalties, and reduce max AC nplementation (i.e. reduced c trans-impedance) 166–9, according to 205_TXRX_Characteristics.p <i>Response Status</i> <b>W</b>	xtend upper lim P and max OM current in low te	hit of TDFOM to allow IA to be more consistent	"below" Proposed Response PROPOSED ACCEPT CI 166 SC 166.6.4.2 Hayashi,Takehiro Comment Type E Although main body de	2 P 115 HAT Labs <i>Comment Status</i> D escribes "transmitter shall mee	et the specificati	ions in Table-9", not	
propose perezar larger in with mo impleme SuggestedF Change perezar Proposed R PROPC	ed with several of randa_3cz_01_2: mplementation pore realistic TX in entation (i.e. min Remedy e values of Table randa_3cz_02_2: Response DSED ACCEPT. SC 166.6.4.2	205_TDFOM_Simpler.pdf, E enalties, and reduce max AC nplementation (i.e. reduced c trans-impedance) 166–9, according to 205_TXRX_Characteristics.p <i>Response Status</i> <b>W</b>	xtend upper lim P and max OM urrent in low te	it of TDFOM to allow IA to be more consistent mperature) and relax RX	"below" Proposed Response PROPOSED ACCEPT Cl 166 SC 166.6.4.2 Hayashi,Takehiro Comment Type E Although main body de says "a value above th SuggestedRemedy	2 P 115 HAT Labs <i>Comment Status</i> D escribes "transmitter shall mee	et the specificati iance". This is ve	ions in Table-9", not	
propose perezar larger ir with mo impleme SuggestedR Change perezar Proposed R PROPC C/ 166	ed with several of randa_3cz_01_2: mplementation poor ore realistic TX in entation (i.e. min Remedy e values of Table randa_3cz_02_2: Response DSED ACCEPT. SC 166.6.4.2 liam	205_TDFOM_Simpler.pdf, E enalties, and reduce max AC nplementation (i.e. reduced c trans-impedance) 166–9, according to 205_TXRX_Characteristics.p <i>Response Status</i> <b>W</b> <i>P</i> <b>115</b>	xtend upper lim P and max OM urrent in low te	it of TDFOM to allow IA to be more consistent mperature) and relax RX	"below" Proposed Response PROPOSED ACCEPT Cl 166 SC 166.6.4.2 Hayashi,Takehiro Comment Type E Although main body de says "a value above th SuggestedRemedy	2 P 115 HAT Labs Comment Status D escribes "transmitter shall mea is does not ensure the compli	et the specificati iance". This is ve	ions in Table-9", not	
propose perezar larger ir with mo impleme SuggestedF Change perezar Proposed R PROPC C/ 166 Simms, Will Comment T	ed with several of randa_3cz_01_2: mplementation poor ore realistic TX in entation (i.e. min Remedy e values of Table randa_3cz_02_2: Response DSED ACCEPT. SC 166.6.4.2 liam	205_TDFOM_Simpler.pdf, E. enalties, and reduce max AC nplementation (i.e. reduced c trans-impedance) 166–9, according to 205_TXRX_Characteristics.p <i>Response Status</i> <b>W</b> <i>P</i> <b>115</b> NVIDIA <i>Comment Status</i> <b>D</b>	xtend upper lim P and max OM urrent in low te	to of TDFOM to allow A to be more consistent mperature) and relax RX # 278	"below" Proposed Response PROPOSED ACCEPT Cl 166 SC 166.6.4.2 Hayashi, Takehiro Comment Type E Although main body de says "a value above th SuggestedRemedy clarify the compliance Proposed Response PROPOSED ACCEPT	P 115 HAT Labs Comment Status D escribes "transmitter shall mee is does not ensure the compli for what, or delete this senten Response Status W IN PRINCIPLE.	et the specificati iance". This is ve nce.	ions in Table-9", not ery confusing.	te b
propose perezar larger in with mo impleme SuggestedF Change perezar Proposed R PROPC C/ 166 Simms, Will Comment T Table e SuggestedF	ed with several of randa_3cz_01_2: mplementation poor ore realistic TX in entation (i.e. min Remedy e values of Table randa_3cz_02_2: Response DSED ACCEPT. SC 166.6.4.2 liam Type E entry has type "dis	205_TDFOM_Simpler.pdf, E. enalties, and reduce max AC nplementation (i.e. reduced c trans-impedance) 166–9, according to 205_TXRX_Characteristics.p <i>Response Status</i> <b>W</b> <i>P</i> <b>115</b> NVIDIA <i>Comment Status</i> <b>D</b>	xtend upper lim P and max OM urrent in low te	to of TDFOM to allow A to be more consistent mperature) and relax RX # 278	"below" Proposed Response PROPOSED ACCEPT Cl 166 SC 166.6.4.2 Hayashi, Takehiro Comment Type E Although main body de says "a value above th SuggestedRemedy clarify the compliance Proposed Response PROPOSED ACCEPT	2 P 115 HAT Labs Comment Status D escribes "transmitter shall mea is does not ensure the compli for what, or delete this senten Response Status W	et the specificati iance". This is ve nce.	ions in Table-9", not ery confusing.	te b

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C/ 166	SC 166.6.4.2	P 115	L <b>49</b>	# 27	C/ 166	SC 166.6.4.3	P 116
Hayashi,1	Takehiro	HAT Labs			Pérez-Ara	anda, Rubén	KDPOF
Comment	Туре Т	Comment Status D		External standards	Comment	Type <b>TR</b>	Comment Status D
	F template specifi e applicable to 980	ed in 61300-1-4 is only for 85 Dnm.	50 nm. Need to	confirm if this template	propo	sed with several of	_2205_TXRX_Characteri
Suggeste	dRemedy						205_TDFOM_Simpler.pd enalties, and reduce max
add "t	etative" in the enfi	rcled flux column, until the co	omfirmation by I	EC is done.	with n	nore realistic TX im	plementation (i.e. reduce
Proposed	Response	Response Status W			•	mentation (i.e. min	trans-impedance)
	POSED REJECT.	d TV abaractoristica ara baa	d on the accum	antian that this FF	Suggester	•	100 10 according to
specif	fication is met.	d TX characteristics are base					166–10, according to 205_TXRX_Characteristi
	kample, OM3 fiber EF specification (	EMB extrapolation at 980 nr	n in previous co	ontributions assume the	Proposed	Response	Response Status W
https:	//www.ieee802.org	/3/cz/public/27_oct_2020/pir			PROF	POSED ACCEPT.	-
	//www.ieee802.org	/3/cz/public/may_2021/abbo	tt_3cz_01_0521	1_Extrapolation_of_IEC_	C/ 166	SC 166.6.4.3	P116
guida		500.pdf)					HAT Labs
		980 nm VCSELs is similar to			Hayashi,1		Comment Status D
		lar. In any case, EF specificansidering the design of optics			Comment typo "	<i>Type</i> <b>E</b> thershold"	
C/ 166	SC 166.6.4.2	P 115	L 49	# 232	Suggester	dRemedy	
Martino, k	Kjersti	Inneos			"thres	hold"	
Comment	Туре <b>Е</b>	Comment Status D		EZ	Proposed	Response	Response Status W
In Tal	ole 166-9 note b, tl	nere is a typo in "launch pow	er blow this valu	ue cannot"	PROF	POSED ACCEPT.	
Suggeste	dRemedy				C/ 166	SC 166.6.4.3	P116
"launo	ch power below thi	s value cannot"			Simms, W		NVIDIA
Proposed	Response	Response Status W			Comment		Comment Status D
PROF	POSED ACCEPT.					51	po" Damage thershold
C/ 166	SC 166.6.4.2	P 115	L 49	# 89	(max		,
	anda, Rubén	KDPOF	- 10		Suggestee	dRemedy	
Comment		Comment Status D		EZ	correc	t "thershold" to "th	reshold"
Chan does	ge "launch power l not ensure complia	blow this value cannot be cor ance" to "launch power belo this does not ensure complia	w this value car	er, a value above this	•	Response POSED ACCEPT.	Response Status W
Suggeste	dRemedy						
	omment						
Proposed	Response	Response Status W					

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

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SC 166.6.4.3	11/05/2022 18:42:57

C/ 166	SC 166.6.4.3	P 116	L <b>3</b>	# 91
Pérez-Aranda	a, Rubén	KDPOF		
Comment Tv	be TR	Comment Status D		TXRX Characteristics

ment Status D

TXRX\_Characteristics.pdf, changes of TX characteristics are s: Be consistent with new TDFOM proposed in FOM\_Simpler.pdf, Extend upper limit of TDFOM to allow , and reduce max AOP and max OMA to be more consistent tation (i.e. reduced current in low temperature) and relax RX npedance)

according to RX\_Characteristics.pdf

~					
C/ 166	SC 166.6.4.3	P 116	L 22	# 28	
Hayashi,Tak	ehiro	HAT Labs			
Comment Ty typo "the	•	Comment Status D			EZ
SuggestedRe "threshol	-				
Proposed Re PROPOS	esponse SED ACCEPT.	Response Status W			
C/ 166	SC 166.6.4.3	P 116	L 22	# 280	
Simms, Willia	am	NVIDIA			
Similis, willing					
		Comment Status D			ΕZ
Comment Ty	pe E	Comment Status D typo" Damage thershold			EZ
Comment Ty table 166	pe E 6-10 entry has t				EZ
Comment Ty table 166 (max)" SuggestedRe	pe E 6-10 entry has t	typo" Damage thershold			EZ

		1 40	# [20]	CL 400	00 400 6 4 4	D44=	1.00	# 04	
C/ 166 SC 166.6		L 48	# 29	C/ 166	SC 166.6.4.4		L 20	# 31	
layashi,Takehiro	HAT Labs			Hayashi,Ta		HAT Labs			
Comment Type E	Comment Status X		TXRX Characteristics	Comment	Туре Т	Comment Status D			EZ
	/ describes "receiver shall meet			Can't u	understand the m	neaning of this row. (minimum	channel lengt	h?)	
-	e this does not ensure the comp	liance". This is \	very confusing.	Suggested	IRemedy				
SuggestedRemedy				please	e clarify.				
clarify the complian	ce for what, or delete this sente	nce.		Proposed I	Response	Response Status W			
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			•	OSED ACCEPT	,			
PROPOSED REJE					units. Substitute				
	t is referring to the complete tab te b is just for the average powe			C/ 166	SC 166.6.4.4	P117	L 20	# 42	
C/ 166 SC 166.6	.4.4 P117	L 14	# 30	Torres, Lu	isma	KDPOF			
Hayashi,Takehiro	HAT Labs			Comment	Type ER	Comment Status D			EZ
Comment Type T	Comment Status D		External standards	Table	166-11; wrong u	nits for the Channel insertion	oss (min)		
• •	n hasn't been specified in IEC.		External standards	Suggested	IRemedy				
					ce "m" by "dB"				
SuggestedRemedy				Proposed I	Response	Response Status W			
	the bandwidth at 980 nm is spe	cified in IEC.		,	OSED ACCEPT	,			
Proposed Response	Response Status W				OOLD AOOLI II	•			
PROPOSED REJE				C/ 166	SC 166.6.4.4	P 118	L <b>3</b>	# 92	
specification is met	s and TX characteristics are bas	sed on the assur	npuon that this EF	Pérez-Ara	nda, Rubén	KDPOF			
For example, OM3	fiber EMB extrapolation at 980 r	nm in previous c	ontributions assume the	Comment	Type <b>TR</b>	Comment Status D		TXRX Charac	teristics
	ion (see 2.org/3/cz/public/27_oct_2020/p 2.org/3/cz/public/may_2021/abb					according to values of 2205_TXRX_Characteristics.p	odf.		
guidance for OM3		011_002_01_002		Suggested	IRemedy				
				Per co	omment				
	ns of 980 nm VCSELs is similar similar. In any case, EF specifio			Proposed I	Response	Response Status W			
	considering the design of optic			•	OSED ACCEPT	,			
,	5 <u>5</u>		·			on "for 50GBASE-AU"			

C/ 166 SC 166.6.4.4

C/ 166 SC 166.7.1.1	P 118	L 34	# 93		C/ 166 SC	66.7.3	P 118	L 48	# 95
érez-Aranda, Rubén	KDPOF				Pérez-Aranda, F	Rubén	KDPOF		
Comment Type ER Replace FSWP with FS0	Comment Status <b>D</b> QWP, for consistency.			EZ			Comment Status <b>D</b> Fibre optic communication sul		
SuggestedRemedy Per comment					power meas	urement fo al fiber cabl	general communication subsy or single-mode optical fibre cal e, specifically OM3 50/125 un )2.3.	ole" and 802.3c	z is targeted to multi-
Proposed Response	Response Status W				SuggestedReme	•			
PROPOSED ACCEPT.							standard 61280-1-1 is valid fo	r optical power	measurement in multi-
C/         166         SC         166.7.1.1           Pérez-Aranda, Rubén	<i>P</i> <b>119</b> KDPOF	L 14, 39	# 94			ccordingly	reference with the one appro in case of replacement. Othe		
Comment Type ER	Comment Status D			EZ	Proposed Respo	onse	Response Status W		
Wrong reference.					PROPOSE	O ACCEPT	IN PRINCIPLE.		
SuggestedRemedy Replace 166.7.8.2.2 with	n 166.7.5.						EC 61280-1-1 in other IEEE 8 a multimode fiber.	02.3 clauses s	pecifiying a test setup
Proposed Response PROPOSED ACCEPT.	Response Status W						er IEC 61280-1-1." with "per I ters length consistent with the		
							etween 1 m and 3 m in length Y type under test (see 166.9.1		meters length
							atch cord is 1 to 3 meters long ength consistent with the PHY		
							Patch cord is 1 to 3 meters lon ength consistent with the PHY		
							Z/O converter is connected to patch cord, consistent with th		
					C/ 166 SC	66.7.3	P 118	L 51	# 32
					Hayashi,Takehi	ro	HAT Labs		
					<i>Comment Type</i> "may should	E I be used fo	Comment Status <b>D</b> or permission.		Normative wording
					SuggestedReme "can" -> "ma	•			
					Proposed Respo PROPOSEI		Response Status W		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/166Page 40 of 53COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC166105/2022 18:42:57SORT ORDER: Clause, Subclause, page, line

C/ 166 SC 166.7.4.1	P 120	L <b>30</b>	# 96		C/ 166 SC 166.7.4.2	2 P 121	L <b>1</b>	# 99
Pérez-Aranda, Rubén	KDPOF				Pérez-Aranda, Rubén	KDPOF		
	Comment Status D O/E converter and the osci	lloscope has a 3 c	IB bandwidth	EZ	Comment Type ER OMAouter measureme This is spec of measur	Comment Status D ent setup —> The setup was	already specified	E2 in previous subclause.
SuggestedRemedy Sign (-) in front of 3 is r oscilloscope has a -3 d	needed. Change to be "The IB bandwidth"	combination of the	e O/E converter ar	nd the	SuggestedRemedy Change to be "OMAou			
Proposed Response PROPOSED ACCEPT.	Response Status W				Proposed Response PROPOSED ACCEPT	Response Status W		
C/ 166 SC 166.7.4.1	P 120	L 31	# 97		C/ 166 SC 166.7.4.2	2 P 121	L <b>9</b>	# 100
Pérez-Aranda, Rubén	KDPOF				Pérez-Aranda, Rubén	KDPOF		
Comment Type <b>TR</b> "fourth-order Bessel-Th	Comment Status D			EZ	<i>Comment Type</i> <b>ER</b> Wrong eq reference	Comment Status D		EZ
SuggestedRemedy Change to be "fourth-or	rder Bessel-Thomson low-p	ass filter"			<i>SuggestedRemedy</i> Change: "Equation (16	6–8) specifies the OMAouter	of the PMD und	er test."
Proposed Response PROPOSED ACCEPT.	Response Status W				Proposed Response PROPOSED ACCEPT	Response Status W		
C/ 166 SC 166.7.4.1	P 120	L 33	# 98		C/ 166 SC 166.7.4.2	2 <i>P</i> 121	L <b>9</b>	# 33
érez-Aranda, Rubén	KDPOF				Hayashi,Takehiro	HAT Labs		
<i>Comment Type</i> <b>ER</b> BW_N is not defined.	Comment Status D			EZ	<i>Comment Type</i> <b>E</b> Typo the number of eq	Comment Status D juation (166-12)		EZ
	ivalent noise bandwidth of fo	ourth-order Bessel	-Thomson filter		SuggestedRemedy 166-8			
response" Proposed Response	Response Status W				Proposed Response PROPOSED ACCEPT	Response Status W		
PROPOSED ACCEPT.					C/ 166 SC 166.7.4.2	2 P121	L12	# 101
					Pérez-Aranda, Rubén	KDPOF		
					Comment Type ER Not valid unitts	Comment Status D		EZ
					SuggestedRemedy			
					Replace "(Watts)" with			
					Proposed Response PROPOSED ACCEPT	Response Status W		
	ed ER/editorial required GR				eneral tten C/closed U/unsatisfied Z		66 66.7.4.2	Page 41 of 53 11/05/2022 18:4

SORT ORDER: Clause, Subclause, page, line

C/ 166 SC 166.7.5	5 P 121	L 23	# 34		C/ 166	SC 166.7.6	P 121	L 37, 40	# 152	
Hayashi,Takehiro	HAT Labs				Pérez-Arar	nda, Rubén	KDPOF			
Comment Type E Typo the number of e	Comment Status <b>D</b> equation (166-19)			ΕZ	Comment Conter	<i>Type</i> <b>ER</b> 3% interval	Comment Status D			EZ
SuggestedRemedy 166-9					<i>Suggested</i> Chang	<i>Remedy</i> e to be "center 3	%"			
Proposed Response PROPOSED ACCEP	Response Status W				Proposed F PROP	Response OSED ACCEPT.	Response Status W			
C/ 166 SC 166.7.5	5 <i>P</i> 121	L 22	# 149		C/ 166	SC 166.7.7	P 121	L 53	# 153	
Pérez-Aranda, Rubén	KDPOF				Pérez-Arar	nda, Rubén	KDPOF			
Comment Type ER Wrong reference.	Comment Status D			EZ	Comment T "test pa		Comment Status <b>D</b> or extinction ratio". We are	e measuring jitter.		EZ
SuggestedRemedy Change to be "Using	Pmin and Pmax obtained in 16	66.7.4.2"			<i>Suggested</i> Chang	<i>Remedy</i> e to be "test patt	ern specified"			
Proposed Response PROPOSED ACCEP	Response Status W				Proposed F PROP	Response OSED ACCEPT.	Response Status W			
C/ 166 SC 166.7.5	5 P121	L 29	# 150		C/ 166	SC 166.7.7	P 122	L 8	# 155	
Pérez-Aranda, Rubén	KDPOF				Pérez-Arar	nda, Rubén	KDPOF			
Comment Type ER Wrong references.	Comment Status D			EZ	Comment T Wrong	<i>Type</i> <b>ER</b> reference.	Comment Status D			EZ
SuggestedRemedy					Suggested	Remedy				
Change with: "Alterna (166–21)."	atively, the ER can be measure	ed as defined in 1	66.7.84, Equatior	n	•		nd Pmin are measured as	specified in 166.7.4.2	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Proposed Response PROPOSED ACCEP	Response Status W				Proposed F	OSED ACCEPT.	Response Status W			
	6 P121	L 34	# 151		C/ 166	SC 166.7.7	P 122	L 2, 6	# 154	
Pérez-Aranda, Rubén	KDPOF					nda, Rubén 	KDPOF			
Comment Type ER	<i>Comment Status</i> <b>D</b> d for extinction ratio". We are m	easuring RIN		ΕZ	Comment T Incorre	<i>Type</i> <b>TR</b> ect equation "(Prr	Comment Status D nax-Pmin)/2"			EZ
SuggestedRemedy					Suggested	Remedy				
Change to be "test pa	attern specified"				Chang	e to be "(Pmax+l	Pmin)/2"			
Proposed Response	Response Status W				Proposed F	•	Response Status W			
PROPOSED ACCEP	,				PROP	OSED ACCEPT.				

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 166.7.7 11/05/2022 18:42:57 SORT ORDER: Clause, Subclause, page, line

C/ 166 SC 166.7.8	P 122	L 18	# 156		C/ 166	SC 166.7.8.1	P 123	L <b>6</b>	# 159
Pérez-Aranda, Rubén	KDPOF				Pérez-Arai	nda, Rubén	KDPOF		
Comment Type ER "using the method speci	Comment Status D fied 166.7.8.2"			EZ	Comment "The te for G=2	est pattern (speci	<i>Comment Status</i> <b>D</b> fied in Table 166–13) is trans	mitted repetitive	EZ ely" Lack of reference
SuggestedRemedy Change to "using the m	ethod specified in 166.7.8.2"				Suggested	Remedy			
Proposed Response	Response Status W				"The te	est pattern (speci	fied in Table 166–13 and Tab	le 166-14) is tra	ansmitted repetitively"
PROPOSED ACCEPT.					Proposed I PROP	Response OSED ACCEPT.	Response Status W		
C/ 166 SC 166.7.8	P 122	L <b>21</b>	# 157		C/ 166	SC 166.7.8.2	P123	L 12	# 160
Pérez-Aranda, Rubén	KDPOF					nda, Rubén	KDPOF	- • -	
Comment Type ER Wrong reference.	Comment Status D			EZ	Comment	Type <b>TR</b>	Comment Status D onsistent with perezaranda 3	Poz 01 2205 T	TDFOM
SuggestedRemedy Change to "(specified in	166.7.8.2)"				Suggested	Remedy	unsistent with perezaranda_	502_01_2205_1	
Proposed Response PROPOSED ACCEPT.	Response Status W				Proposed I	•	Response Status W		
C/ 166 SC 166.7.8.1	P 123	L1	# 158			OSED ACCEPT	IN PRINCIPLE.		
Pérez-Aranda, Rubén	KDPOF				With e	ditorial licence.			
Comment Type TR	Comment Status D			EZ	C/ 166	SC 166.7.8.2	P 123	L 14	# 161
The combination of the	O/E converter and the oscille	oscope has a 3 o	dB bandwidth		Pérez-Ara	nda, Rubén	KDPOF		
SuggestedRemedy					Comment	Type <b>TR</b>	Comment Status D		TDFOM
	eeded and low-pass indication ne oscilloscope has a -3 dB					,	Dv," to be consistent with 205_TDFOM_Simpler.pdf		
order Bessel-Thomson	ow-pass response "				Suggested	Remedy			
Proposed Response	Response Status W				Per co	mment			
PROPOSED ACCEPT.					Proposed I	Response OSED ACCEPT.	Response Status W		

C/ 166 SC 166.7.8.2 Page 43 of 53 11/05/2022 18:42:57

C/ 166 SC 166.7.8.2	P 123	L <b>40</b>	# 162	C/ 166 SC 166.7.8.2	P 123	L <b>49</b>	# 281
Pérez-Aranda, Rubén	KDPOF			Simms, William	NVIDIA		
Comment Type TR	Comment Status D		TDFOM	Comment Type E	Comment Status D		Text improvemen
Change Figure 166-39 perezaranda_3cz_01_2	to be consistent with 2205_TDFOM_Simpler.pdf			Is this correct wording" T yn"	The noise sequence n is ad	ded to y generatin	ig the noisy sequence
SuggestedRemedy Per comment				SuggestedRemedy change " noisy sequence	e yn" to " noise sequence y	'n"	
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE.			PROPOSED REJECT.	Response Status W	n naise added	
With editorial licence.					nal sequence with gaussia		
C/ 166 SC 166.7.8.2	P 123	L 46	# 163	C/ 166 SC 166.7.8.2	P 124	L 13, 17	# 165
Pérez-Aranda, Rubén	KDPOF	L <b>40</b>	# 105	Pérez-Aranda, Rubén	KDPOF		
Perez-Aranda, Ruben	KDPOF			Comment Type TR	Comment Status D		TDFON
Remove "Then, the noi	Comment Status <b>D</b> se sequence n is generated b f) given by Equation (166–12)			Remove lines 13 through perezaranda_3cz_01_22			
Remove "Then, the noi filter with response H1( GHz." to be consistent SuggestedRemedy Per comment	se sequence n is generated b f) given by Equation (166–12) with perezaranda_3cz_01_22	with f1 equal to	sequence by a noise (S × 2.65625 + 0.5)	perezaranda_3cz_01_22 SuggestedRemedy Per comment			
Remove "Then, the noi filter with response H1( GHz." to be consistent SuggestedRemedy Per comment	se sequence n is generated b f) given by Equation (166–12) with perezaranda_3cz_01_22 <i>Response Status</i> <b>W</b>	with f1 equal to	sequence by a noise (S × 2.65625 + 0.5)	perezaranda_3cz_01_22 SuggestedRemedy Per comment Proposed Response	205_TDFOM_Simpler.pdf <i>Response Status</i> W	L 41	# 166
Remove "Then, the noi filter with response H1( GHz." to be consistent SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT.	se sequence n is generated b f) given by Equation (166–12) with perezaranda_3cz_01_22 <i>Response Status</i> <b>W</b>	with f1 equal to	sequence by a noise (S × 2.65625 + 0.5)	perezaranda_3cz_01_22 SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT.	205_TDFOM_Simpler.pdf <i>Response Status</i> W	L 41	# [166
Remove "Then, the noi filter with response H1( GHz." to be consistent SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. Cl 166 SC 166.7.8.2	se sequence n is generated b f) given by Equation (166–12) with perezaranda_3cz_01_22 <i>Response Status</i> <b>W</b>	with f1 equal to	n sequence by a noise (S × 2.65625 + 0.5) npler.pdf	perezaranda_3cz_01_22 SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. Cl 166 SC 166.7.8.2.2 Pérez-Aranda, Rubén Comment Type TR	205_TDFOM_Simpler.pdf Response Status W 2 P126 KDPOF Comment Status D		TDFON
Remove "Then, the noi filter with response H1( GHz." to be consistent SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. Cl 166 SC 166.7.8.2 Pérez-Aranda, Rubén	se sequence n is generated b f) given by Equation (166–12) with perezaranda_3cz_01_22 <i>Response Status</i> <b>W</b>	with f1 equal to	n sequence by a noise (S × 2.65625 + 0.5) npler.pdf	perezaranda_3cz_01_22 SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. CI 166 SC 166.7.8.2.2 Pérez-Aranda, Rubén Comment Type TR "and sigma_n is the stand	205_TDFOM_Simpler.pdf Response Status W 2 P126 KDPOF Comment Status D Idard deviation of the seque	ence n = sn - s." is	TDFON
Remove "Then, the noi filter with response H1( GHz." to be consistent SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. Cl 166 SC 166.7.8.2 Pérez-Aranda, Rubén Comment Type TR Change sentence acco	se sequence n is generated b f) given by Equation (166–12) with perezaranda_3cz_01_22 <i>Response Status</i> <b>W</b> <i>P</i> <b>123</b> KDPOF	with f1 equal to 05_TDFOM_Sin	# 164	perezaranda_3cz_01_22 SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. C/ 166 SC 166.7.8.2.2 Pérez-Aranda, Rubén Comment Type TR "and sigma_n is the stand according to perezaranda SuggestedRemedy	205_TDFOM_Simpler.pdf Response Status W 2 P 126 KDPOF Comment Status D Idard deviation of the seque a_3cz_01_2205_TDFOM_S	ence n = sn - s." is Simpler.pdf	TDFON not longer valid
Remove "Then, the noi filter with response H1( GHz." to be consistent SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. Cl 166 SC 166.7.8.2 Pérez-Aranda, Rubén Comment Type TR Change sentence acco	se sequence n is generated b f) given by Equation (166–12) with perezaranda_3cz_01_22 <i>Response Status</i> <b>W</b> <i>P</i> 123 KDPOF <i>Comment Status</i> <b>D</b> rding to new Figure 166-39 ar	with f1 equal to 05_TDFOM_Sin	# 164	perezaranda_3cz_01_224 SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. Cl 166 SC 166.7.8.2.2 Pérez-Aranda, Rubén Comment Type TR "and sigma_n is the stand according to perezaranda SuggestedRemedy Replace sentence with "a (166-XX) as the equation	205_TDFOM_Simpler.pdf Response Status W 2 P126 KDPOF Comment Status D Idard deviation of the seque	ence n = sn - s." is Simpler.pdf vith Equation (166 .3cz_01_2205_TD	<i>TDFON</i> not longer valid -XX)." Add Equation PFOM_Simpler.pdf,
Remove "Then, the noi filter with response H1( GHz." to be consistent SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. C/ 166 SC 166.7.8.2 Pérez-Aranda, Rubén Comment Type TR Change sentence acco perezaranda_3cz_01_2 SuggestedRemedy	se sequence n is generated b f) given by Equation (166–12) with perezaranda_3cz_01_22 <i>Response Status</i> <b>W</b> <i>P</i> 123 KDPOF <i>Comment Status</i> <b>D</b> rding to new Figure 166-39 ar	with f1 equal to 05_TDFOM_Sin	# 164	perezaranda_3cz_01_224 SuggestedRemedy Per comment Proposed Response PROPOSED ACCEPT. Cl 166 SC 166.7.8.2.2 Pérez-Aranda, Rubén Comment Type TR "and sigma_n is the stand according to perezaranda SuggestedRemedy Replace sentence with "a (166-XX) as the equation which calculates sigma_r	205_TDFOM_Simpler.pdf <i>Response Status</i> W 2 <i>P</i> <b>126</b> KDPOF <i>Comment Status</i> <b>D</b> dard deviation of the seque a_3cz_01_2205_TDFOM_S and sigma_n is calculated w of slide 6 of perezaranda_	ence n = sn - s." is Simpler.pdf vith Equation (166 .3cz_01_2205_TD	<i>TDFON</i> not longer valid -XX)." Add Equation PFOM_Simpler.pdf,

C/ 166 SC 166.7.8.2.2

C/ 166 SC 166.7.8.	2.3 <i>P</i> 126	L 54	# 167	C/ 166 SC 166.7.8.3	B P 127	L <b>45</b>	# 35	
Pérez-Aranda, Rubén	KDPOF			Hayashi,Takehiro	HAT Labs			
	Comment Status <b>D</b> eps are not consistent with _2205_TDFOM_Simpler.pdf.		TDFOM	Comment Type E Typo the number of eq	Comment Status D juation (166-21)			E.
	th steps with the following tw I to 14.			SuggestedRemedy 166-20 Proposed Response PROPOSED ACCEPT	Response Status W			
Proposed Response PROPOSED ACCEP1	Response Status <b>W</b>			C/ <b>166</b> SC <b>166.7.8.3</b> Pérez-Aranda, Rubén	8 <i>P</i> 127 KDPOF	L <b>45</b>	# 170	
C/ <b>166</b> SC <b>166.7.8</b> . Pérez-Aranda, Rubén	2.4 P 127 KDPOF	L 15	# 168	Comment Type TR Not valid reference	Comment Status D			EZ
SuggestedRemedy	Comment Status D o consistent with perezarance to make the Equation consi		<i>TDFOM</i> TDFOM_Simpler.pdf	SuggestedRemedy Replace with "The OM Proposed Response PROPOSED ACCEPT	Aouter can be calculated as d <i>Response Status</i> <b>W</b>	lefined in Equation	on (166–20)"	
Proposed Response PROPOSED ACCEPT	Response Status W			C/ 166 SC 166.7.8.3 Pérez-Aranda, Rubén	3 <i>P</i> 127 KDPOF	L <b>46</b>	# 102	
C/ <b>166</b> SC <b>166.7.8</b> . Pérez-Aranda, Rubén	2.4 P 127 KDPOF	L <b>32</b>	# 169	Comment Type ER Specifications vs desc	Comment Status D			EZ
perezaranda_3cz_01_ SuggestedRemedy	Comment Status D ot longer valid for new TDFC 2205_TDFOM_Simpler.pdf		TDFOM	SuggestedRemedy Replace "as described Proposed Response PROPOSED ACCEPT	in 166.7.8.2." with "as specifi Response Status W	ed in 166.7.8.2."		
Proposed Response	nes of perezaranda_3cz_01_ Response Status W	_2205_1DFOM_5	impier.pai	C/ 166 SC 166.7.8.3	B P127	L <b>49</b>	# 171	
PROPOSED ACCEPT				Pérez-Aranda, Rubén <i>Comment Type</i> <b>TR</b> Not valid unitts	KDPOF Comment Status D			Ež
				SuggestedRemedy Replace "(dB)" with "(V	V)"			
				Proposed Response	Response Status W			

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

SC 166.7.8.3

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C/ 166 SC 166.7.8.4	P 128	L <b>4</b>	# 103		C/ 166	SC 166.7.9	P 128	L16	# 107	
Pérez-Aranda, Rubén	KDPOF				Pérez-Ara	nda, Rubén	KDPOF			
Comment Type ER Specifications vs descrip	Comment Status D			ΕZ	<i>Comment</i> Stress	<i>Type</i> <b>TR</b> ed receiver is de	Comment Status D fined.			EZ
SuggestedRemedy					Suggestea	Remedy				
Replace "as described in	n 166.7.8.2." with "as specifi	ed in 166.7.8.2.'	,				E-AU, receiver sensitivity" wi			
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉					,	change for 5, 10, 25 and 50 0	BASE-AU, in the	e following paragra	iphs.
PROPOSED ACCEPT.					Proposed PROP	Response OSED ACCEPT.	Response Status W			
C/ 166 SC 166.7.8.5	P128	L 12	# 104		C/ 166	SC 166.7.9	P 128	L 16	# 105	
Pérez-Aranda, Rubén Comment Type ER	KDPOF Comment Status <b>D</b>			EZ	Pérez-Ara	nda, Rubén	KDPOF			
Specifications vs description				EZ	Comment	Type <b>TR</b>	Comment Status D		TL	DFOM
SuggestedRemedy Replace "as described in	n 166.7.8.2." with "as specifi	ed in 166.7.8.2.'			measu	ired according to	4, modify the STDFOM value new Table 166-10 of RX cha 2205_TXRX_Characteristics.	aracteristics of	X sensitivity is	
Proposed Response PROPOSED ACCEPT.	Response Status W				Suggestea Per co	<i>Remedy</i> mment				
C/ 166 SC 166.7.9	P128	L 16	# 106		Proposed PROP	Response OSED ACCEPT	Response Status <b>W</b> IN PRINCIPLE.			
Pérez-Aranda, Rubén	KDPOF				With o	ditorial license				
Comment Type TR	Comment Status D , modify the range of values			FOM						
	g to new Table 166-9 of TX			ivity	C/ 166	SC 166.7.9	P 128	L 36	# 108	
perezaranda_3cz_02_2	205_TXRX_Characteristics.	pdf				nda, Rubén	KDPOF			
SuggestedRemedy					Comment		Comment Status D			EZ
Per comment					•	on is not correct.				
Proposed Response	Response Status W				Suggestea	-				
PROPOSED ACCEPT I	N PRINCIPLE.					ce "=" with "<="				
With editorial license					Proposed	Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			

C/ 166 SC 166.7.9

C/ <b>166</b>	SC 166.7.10	P 128	L <b>48</b>	# 110		C/ 166	SC 166.7.10	P 129	L 28	# 111	
Pérez-Ara	inda, Rubén	KDPOF				Pérez-Ara	nda, Rubén	KDPOF			
Comment Incorre	<i>Type</i> <b>ER</b> ect reference.	Comment Status D			EZ	Comment Receiv	51	Comment Status <b>D</b> n only be defined for a comp	lete PHY, but not	for a PMD sublay	E. er.
Suggested Replac	,	within the limits given in Table 1	66–10"			Suggested Replac	,	eceiver under test" with "to t	ne PHY receiver ι	under test"	
	Response POSED ACCEPT	Response Status W				Proposed I PROP	Response OSED ACCEPT	Response Status W			
C/ 166	SC 166.7.10	P 129	L <b>2</b>	# 109		C/ 166	SC 166.7.10	.1 <i>P</i> 129	L <b>42</b>	# 119	
<sup>&gt;</sup> érez-Ara	inda, Rubén	KDPOF				Pérez-Ara	nda, Rubén	KDPOF			
Comment Update		Comment Status <b>D</b> to be consistent with		TXRX Characte	eristics	Comment Nomin	• •	Comment Status D			Ež
pereza Suggested Per co	aranda_3cz_02_	2205_TXRX_Characteristics.pdf Response Status W				Suggested Replac Proposed I	<i>Remedy</i> ce "of the receive	er under test" with "of the tes Response Status W	t-pattern generate	Dr"	
PROP	POSED ACCEPT	IN PRINCIPLE.									
With e	editorial license.					C/ <b>166</b> Hayashi,Ta	SC 166.7.10	.1 <i>P</i> 129 HAT Labs	L <b>46</b>	# 36	
C/ 166	SC 166.7.10	P 129	L 28	# 112		Comment		Comment Status D			Ež
Pérez-Ara	ında, Rubén	KDPOF					he number of eq				
Comment Not cle	<i>Type</i> <b>TR</b> ear specification	Comment Status <b>D</b>			ΕZ	Suggested 166-23	Remedy				
	ce "The signal b	eing transmitted is asynchronous d by the PHY under test is async				Proposed I PROP	Response OSED ACCEPT	Response Status W			
-	Response	Response Status W		0		C/ 166	SC 166.7.10	.1 <i>P</i> 129	L 51	# 113	
PROP	OSED ACCEPT					Pérez-Ara	nda, Rubén	KDPOF			
						<i>Comment</i> Some	51	Comment Status <b>D</b> defined in Table 166-9.			Ež
						Suggested Replac	-	able 166–10" with "specified	l in Table 166–9 a	and Table 166-10"	
						Proposed I PROP	Response OSED ACCEPT	Response Status W			

C/ 166 SC 166.7.10.	1 <i>P</i> 130	L 47	# 114	C/ 166 SC 166.7.10.1 P131 L11 # 116
Pérez-Aranda, Rubén	KDPOF			Pérez-Aranda, Rubén KDPOF
Comment Type TR	Comment Status D		Technical fix required	Comment Type ER Comment Status D E2
	e configuring the right test par	ttern.		Delete "using test setup defined in Figure 166–44.". It does not make sense here. Broken reference to figure.
	test-pattern generator is conf tivity in Table 166–13 and Ta		ate specified pattern for	SuggestedRemedy Per comment
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response Response Status W PROPOSED ACCEPT.
C/ 166 SC 166.7.10.	1 <i>P</i> 130	L 53	# 115	C/ 166 SC 166.7.10.2 P131 L 19 # 118
Pérez-Aranda, Rubén	KDPOF			Pérez-Aranda, Rubén KDPOF
Comment Type <b>TR</b> incorrect register and re	Comment Status D		EZ	Comment Type TR Comment Status D E2 Incorrect reference. Primary params are STDFOM, ER and RIN.
SuggestedRemedy				SuggestedRemedy
Replace with "Local link Proposed Response PROPOSED ACCEPT.	<margin in="" register<br="" reported="">Response Status W</margin>	3.2350 (see 45	.2.3.87e) is lower than 0."	Replace "The primary parameters of the stressed receiver conformance test signals are its stressed TDFOM (STDFOM), and RIN, as specified in 166.7.10.4." with "The primary parameters of the stressed receiver conformance test signals are its stressed TDFOM (STDFOM), ER, and RIN."
C/ 166 SC 166.7.10. Pérez-Aranda, Rubén	1 <i>P</i> 131 KDPOF	L <b>9</b>	# 117	Proposed Response Response Status W PROPOSED ACCEPT.
Comment Type TR	Comment Status D		EZ	C/ 166 SC 166.7.10.2 P131 L 39 # 121
Incorrect units.				Pérez-Aranda, Rubén KDPOF
SuggestedRemedy				Comment Type TR Comment Status D E2
Replace "(Watts)" with				Incorrect references. The ones provided are to measure AOP and OMAouter with different test patterns.
Proposed Response	Response Status W			SuggestedRemedy
PROPOSED ACCEPT.				Replace "Measure OMAouter and AOP as specified in 166.7.4 and 166.7.3 to calculate gamma_tx = OMAouter/AOP." with "Measure OMAouter and AOP as specified in 166.7.8.3 and 166.8.5 to calculate gamma_tx = OMAouter/AOP."
				Proposed Response Response Status W PROPOSED ACCEPT.

C/ 166 SC 166.7.10.2

C/ 166 SC 166.7.10	).2 P131	L 50	# 122	C/ 166 SC 166.7.10.3 P132 L21 # 124	
Pérez-Aranda. Rubén	KDPOF	2 50	# 122	Pérez-Aranda. Rubén KDPOF	
Comment Type TR	Comment Status D ude has to be adjusted too.		I	Comment Type ER Comment Status D tolerance test? not defined	EZ
	sinusoidal jitter according to 1 plitude according to 166.7.10 <i>Response Status</i> <b>W</b> Г.		urn on the sinusoida	SuggestedRemedy Replace "Running the receiver tolerance test" with "Running the receiver sensitivity tes Proposed Response Response Status W PROPOSED ACCEPT.	st"
C/ 166 SC 166.7.10		L 27, 43	# 120	C/         166         SC         166.7.10.4         P 132         L 35         #         233           Martino, Kjersti         Inneos	
Pérez-Aranda, Rubén Comment Type ER Incorrect reference.	KDPOF Comment Status D		I	Comment Type         E         Comment Status         D           Change wording for clarity of the following: "for the equations the table."	EZ
SuggestedRemedy Replace "Table 166-9	" with "Table 166-10".			SuggestedRemedy "for the equations in the table." Proposed Response Response Status <b>W</b>	
Proposed Response PROPOSED ACCEP	Response Status W			PROPOSED ACCEPT.	
Cl 166 SC 166.7.10 Pérez-Aranda, Rubén Comment Type ER	0.3 P132 KDPOF Comment Status D	L 15	# 123	C/       166       SC       166.7.10.4       P 132       L 49       # 125         Pérez-Aranda, Rubén       KDPOF         Comment Type       ER       Comment Status       D         Replace KHz with kHz in Table 166-18	EZ
sinusoidal jitter compo	scilloscope to calibrate the fin onent" with "To use an oscillos e sinusoidal jitter component" <i>Response Status</i> <b>W</b>			SuggestedRemedy Per comment. Proposed Response Response Status W PROPOSED ACCEPT.	

PROPOSED ACCEPT.

C/ 166 SC 166.7.10.4

I66         SC 166.9.1         P 133         L 35         # 37           vashi, Takehiro         HAT Labs         Text improvement           nment Type         E         Comment Status         D         Text improvement	C/ 166 SC 166.9.1 P 133 L 50 # 128
	Pérez-Aranda Rubén KDPOF
ament Type E Comment Status D Text improvement	
The optical fiber should meet both of requirements	Comment Type         ER         Comment Status         D         E.           Replace "Dispersion slop" with "Chromatic dispersion slope"         E.         E.         E.         E.
gestedRemedy	SuggestedRemedy
change "or" to "and"	Per comment.
posed Response Response Status W	Proposed Response Response Status W
PROPOSED ACCEPT IN PRINCIPLE.	PROPOSED ACCEPT.
Replace "The fiber contained within the BASE-AU fiber optic cabling shall comply with the requirements of IEC 60793-2-10 for optical fiber Type A1a.2 (OM3) or the requirements of	C/ 166 SC 166.9.1 P133 L 50 # 126
Table 166–19 where they differ" with "The fiber contained within the BASE-AU fiber optic cabling shall comply with the	Pérez-Aranda, Rubén KDPOF
requirements of IEC 60793-2-10 for optical fiber Type A1a.2 (OM3) and the requirements of	Comment Type TR Comment Status D E
Table 166–19. For parameters where they differ, Table 166–19 prevails."	Incorrect units. Replace "ps/nm^2.km" with "ps/(nm^2·km)
166 SC 166.9.1 P133 L47 # 129	SuggestedRemedy
ez-Aranda, Rubén KDPOF	Per comment.
nment Type TR Comment Status D EZ	Proposed Response Response Status W
It should be effective modal bandwidth	PROPOSED ACCEPT.
gestedRemedy	C/ 166 SC 166.9.2.1 P134 L10 # 130
Replace "Modal bandwidth" with "Effective modal bandwidth" and add foot note: "When measured with the launch conditions specified in Table 166-9"	Pérez-Aranda, Rubén KDPOF
posed Response Response Status W	Comment Type TR Comment Status D E.
PROPOSED ACCEPT.	The sentence does not make technical sense.
166 SC 166.9.1 P133 L47 # 127	SuggestedRemedy
ez-Aranda. Rubén KDPOF	Replace "The maximum link distances are calculated based on the allocation of total connection insertion loss shown in Table 166–20." with "The maximum number of
nment Type TR Comment Status D EZ	connections are calculated based on the allocation of total connection insertion loss shown
Incorrect units. Replace "MHz.km" with "MHz·km"	in Table 166–20."
igestedRemedy	Proposed Response Response Status W
Per comment.	PROPOSED ACCEPT.
posed Response Response Status W	

C/ 166 SC 166.9.2.1

	2 <i>P</i> 134	L 34	# 38	C/ 166 SC 166.16.5	6 <i>P</i> 144	L 27	# 234
Hayashi,Takehiro	HAT Labs			Martino, Kjersti	Inneos		
Comment Type <b>T</b> "return loss" is genera	Comment Status <b>D</b> ally used with a positive value.		Text improvement	<i>Comment Type</i> <b>E</b> Typo, extra "s" in "LPI	Comment Status <b>D</b> is treated ass an error if"		EZ
SuggestedRemedy change "reflectance" t	to "return loss" and delete "-" fr	om "-20"		SuggestedRemedy "LPI is treated as an e	rror if"		
Proposed Response PROPOSED REJECT				Proposed Response PROPOSED ACCEP1	Response Status W		
C/ 166 SC 166.14.2	sistent with many others -SR c	L8	# 025	C/ 166A SC 166A	P 154	L1	# 250
		-	# 235	Nicholl, Shawn	AMD		
Marris, Arthur	Cadence Des	ign Systems		Comment Type <b>T</b>	Comment Status D		RS-FEC
Comment Type <b>T</b>	Comment Status D		External standards	Add an Annex contain	ing RS(544,522) FEC codew	ord examples.	
	referencing Annex J.2 as other 262 is not specifc enogh.	Phi clauses d	io, also saying	SuggestedRemedy			
SuggestedRemedy Consider adding text '	'Equipment subject to this clau	se shall conforn	n to the general safety		Annex 166A (thus updating e contain RS(544,522) FEC c a after Annex 91A.		
requirements in J.2."				Proposed Response	Response Status W		
Say exactly which par ISO 26262 altogether	t of ISO 26262 needs to be co	nformed to or de	elete the reference to	PROPOSED ACCEPT	,	nis Annex.	
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			C/ 166A SC 166A	P154	L1	# 6
					Huawei	- 1	" 0
PROPOSED ACCEP	T IN PRINCIPLE.						
	h with "Equipment subject to th	is clause shall o	conform to the general	Brown, Matt Comment Type E Missing editorial instru	Comment Status D		EZ
Replace full paragraph safety requirements ir	h with "Equipment subject to th		-	Comment Type E Missing editorial instru SuggestedRemedy	Comment Status D action to add annex.	new Annex 1664	
Replace full paragraph safety requirements in Synchronize wording Clause 149.9.	h with "Equipment subject to th n J.2." of Environmental safety and ele		afety subclauses with	Comment Type E Missing editorial instru SuggestedRemedy Add and editorial note	Comment Status D action to add annex. at the top of the page "Insert	new Annex 166A	
Replace full paragraph safety requirements in Synchronize wording Clause 149.9.	h with "Equipment subject to th n J.2." of Environmental safety and ele	ectromagnetic s	-	Comment Type E Missing editorial instru SuggestedRemedy	Comment Status D action to add annex. at the top of the page "Insert Response Status W	new Annex 166A	
Replace full paragraph safety requirements in Synchronize wording Clause 149.9. Cl 166 SC 166.14.8 Pérez-Aranda, Rubén	h with "Equipment subject to th n J.2." of Environmental safety and ele	ectromagnetic s	afety subclauses with	Comment Type E Missing editorial instru SuggestedRemedy Add and editorial note Proposed Response	Comment Status D action to add annex. at the top of the page "Insert Response Status W	new Annex 166A	
Replace full paragraph safety requirements in Synchronize wording Clause 149.9. C/ 166 SC 166.14.8 Pérez-Aranda, Rubén Comment Type ER	h with "Equipment subject to the n J.2." of Environmental safety and ele 5 P 138 KDPOF <i>Comment Status</i> D roductexplicitly defines requirer	ectromagnetic s	afety subclauses with # 143 EZ	Comment Type E Missing editorial instru SuggestedRemedy Add and editorial note Proposed Response	Comment Status D action to add annex. at the top of the page "Insert Response Status W	new Annex 166A	
Replace full paragraph safety requirements in Synchronize wording Clause 149.9. Cl 166 SC 166.14.5 Pérez-Aranda, Rubén Comment Type ER Replace "about the pr	h with "Equipment subject to the n J.2." of Environmental safety and ele 5 P 138 KDPOF <i>Comment Status</i> D roductexplicitly defines requirer	ectromagnetic s	afety subclauses with # 143 EZ	Comment Type E Missing editorial instru SuggestedRemedy Add and editorial note Proposed Response	Comment Status D action to add annex. at the top of the page "Insert Response Status W	new Annex 166A	

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/ 166A SC 166A Page 51 of 53 11/05/2022 18:42:58

C/ 166A SC 166A.2 P154 L22 # 257	C/ 166A SC 166A.2 P154 L33 # 18
Ran, Adee Cisco	Hajduczenia, Marek Charter Communications
Comment Type T Comment Status D LFSR	Comment Type E Comment Status D EZ
The title includes "LFSR binary scrambler sequence", but the content of Table 166A-1 is not necessarily generated by an LFSR, and is not listed as a binary sequence.	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.
Similarly in Table 166A-2.	SuggestedRemedy
SuggestedRemedy	Per comment. The same applies to Table 166A–2
Change the title to "2.5GBASE-U, 5GBASE-U, 10GBASE-U, and 25GBASE-U scrambler sequence".	Proposed Response Response Status W PROPOSED ACCEPT.
Change 166A.3 accordingly.	CI 166A SC 166A.2 P154 L33 # 19
Proposed Response Response Status W	Hajduczenia, Marek Charter Communications
PROPOSED ACCEPT IN PRINCIPLE. Change the subclause title to "2.5GBASE-U, 5GBASE-U, 10GBASE-U, and 25GBASE-U binary scrambler sequence".	Comment Type         TR         Comment Status         D         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
Change 166A.3 accordingly.	SuggestedRemedy
Change the annex title to "BASE-U binary scrambler sequence"	Per comment
	Proposed Response Response Status W
Revise other occurences of "LFSR" in the draft accordingly.	PROPOSED ACCEPT IN PRINCIPLE.
Cl 166A       SC 166A.2       P 154       L 26       # 258         Ran, Adee       Cisco         Comment Type       T       Comment Status       D       EZ         "Table 166A-1 shows the first and last 2048 bits of tx_lfsr<0:195839>"       The table content is hexadecimal digits, not bits.       Similarly in Table 166A-2.         SuggestedRemedy       Change to "Table 166A-1 shows the hexadecimal representation of the first and last 2048 bits of tx_lfsr<0:195839>"	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 C/166: SSPR-NRZ, SSPR-PAM4 and pattern for stressed receiver sensitivity. A total of five files are provided: C166_G1_LFSR_binary_scrambler_sequence.txt C166_G2_LFSR_binary_scrambler_sequence.txt C166_SSPR-NRZ_pattern.txt C166_SSPR-PAM4_pattern.txt
Change 166A.3 accordingly.	C166_Stressed_Receiver_Sensitivity_pattern.txt
Proposed Response Response Status W PROPOSED ACCEPT.	

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

C/ **166A** SC **166A.2**  Page 52 of 53 11/05/2022 18:42:58

C/ 166A	SC	166A.2		P 154	L 35	# 259	
Ran, Adee	9		C	Cisco			
Comment	Туре	Е	Comment St	atus D			ΕZ
					66A-1 is no impro naracters in differ	ove readability, it is rent rows.	
The co unders			asier to follow if	fixed-width f	ont is used, resu	lting in alignment o	of all
Simila	rly in T	able 166A-	2.				
Suggested	IReme	dy					
Forma	t the c	ontent of th	e right column i	n a fixed-wid	th font (e.g., Cou	irier) or use other	
		t a similar e	•				
means	s to get	t a similar e	•				
means Proposed	s to get Respo	t a similar e	ffect.				
means Proposed PROP	s to get <i>Respo</i> OSED	t a similar e nse	ffect.		L1	# 14	
means Proposed PROP CI TOC	s to get Respo OSED SC	t a similar e nse ACCEPT. <b>TOC</b>	ffect. Response Sta	atus W	L1	, 	
means Proposed PROP C/ TOC Hajduczer	s to get Respo OSED SC nia, Ma	t a similar e nse ACCEPT. <b>TOC</b>	ffect. Response Sta	<i>P</i> 13 Charter Com	L1	, 	EZ
means Proposed / PROP C/ TOC Hajduczer Comment	s to get Respo OSED SC nia, Ma Type thing is	t a similar e nse ACCEPT. <b>TOC</b> rek <b>E</b>	ffect. Response Sta	Atus W P13 Charter Comr atus D	L1 munications	, 	
means Proposed I PROP CI TOC Hajduczer Comment Somet version Suggested	s to get Respo OSED SC hia, Ma Type thing is n?	t a similar e nse ACCEPT. TOC rek E s wrong with	ffect. Response Sta	Atus W P13 Charter Comr atus D	L1 munications	# [ <u>14</u>	
means Proposed P PROP CI TOC Hajduczer Comment Somet version Suggested Please	s to get Respo OSED SC nia, Ma Type thing is n? IReme e fix	t a similar e nse ACCEPT. TOC rek E s wrong with dy	offect. Response Sta Comment Sta n indentation of	atus W P13 Charter Com atus D Level 1 heac	L1 munications	# [ <u>14</u>	
means Proposed PROP Cl TOC Hajduczer Comment Somet versiol Suggested Please	s to get Respo OSED SC hia, Ma Type thing is n? IReme e fix Respo	t a similar e nse ACCEPT. TOC rek E s wrong with dy	ffect. Response Sta	atus W P13 Charter Com atus D Level 1 heac	L1 munications	# [ <u>14</u>	

CI **TOC** SC **TOC**  Page 53 of 53 11/05/2022 18:42:58