2/25/2005

C/ 01 SC 1.3 Booth, Brad	P 3 Intel	L 24	# 121	C/ 28 SC P5 L1 # 124 Booth, Brad Intel
Comment Type E Typo.	Comment Status A			Comment Type E Comment Status A Remove unedited text.
Suggested Remedy Change "augemented	d" to "augmented".			Suggested Remedy Remove 28.1, 28.4 and 28.6.
Response ACCEPT.	Response Status C			Response Response Status C ACCEPT.
C/ 01 SC 1.4 Booth, Brad	P 3 Intel	L 35	# 122	C/ 28 SC 28.2.1.2 P12 L34 # 126 Booth, Brad Intel Intel
Comment Type E	Comment Status A			Comment Type T Comment Status A
Text not required. Suggested Remedy				In Figure 28-7, the Technology Ability Field arrow includes bit D12 (A7). This bit has been modified to be an indication for extended next pages which is less of a technology ability as it is an auto-negotiation ability.
Remove "is used in 1	0GBASE-T".			Suggested Remedy
Response ACCEPT.	Response Status C			Change A7 to be XNP. Shift the arrow to only point to A6. Shift 28.2.1.2.3-5 to be 28.2.1.2.4-6. Add new 28.2.1.2.3 as found in 28B.3. Remove A7 and extended next page information from Annex 28B.
C/ 01 SC 1.5 Booth, Brad	P 3 Intel	L 56	# 123	Response Response Status C ACCEPT.
Comment Type E Change "CAT6" to be	Comment Status A			C/ 28 SC 28.2.3.4.2 P18 L28 # 75
Suggested Remedy As per comment.				Comment Type E Comment Status A management Two periods at end of sentence.
Response ACCEPT.	Response Status C			Suggested Remedy Remove period.
Cl 28 SC Booth, Brad	P 5 Intel	L1	# 125	Response Response Status C ACCEPT.
Comment Type T This should be a revis	Comment Status A sion to 802.3REVam.			
Suggested Remedy Verify that this is a rev	vision to the existing REVam d	raft.		
Response	Response Status C			

ACCEPT.

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R/rejected SORT ORDER: Clause, Page, Line, Subclause Page RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn

C/ 28 SC 28.2.4.1		L 34	# 12	C/ 28 SC 28.3.1	P 30	L 31	# 128
Thompson, Todd	SolarFlare C	ommunica		Booth, Brad	Intel		
Comment Type E The register definition	Comment Status A	efined in 22.2.4.1.		Comment Type E Remove wasted spa	Comment Status A		
Suggested Remedy				Suggested Remedy			
Change 28.2.4.1 to 22	2.2.4.1.			Fix.			
Response ACCEPT.	Response Status C		<i></i>	Response ACCEPT.	Response Status C		
This is an error also e caught in 802.3REVar	existing in the 2002 edition. W	ill also check to s	see if this has been	C/ 28 SC 28.3.2	P36	L	# 14
C/ 28 SC 28.2.4.1		L 54	# 13	_ Thompson, Todd	SolarFlare Co	ommunica	" 1
Thompson, Todd	SolarFlare C		# 13	Comment Type T	Comment Status A		
Comment Type E The MII status registe Suggested Remedy	Comment Status A er 1 is defined in 22.2.4.2 not 2	28.2.4.2.		time out values for n whether a PHY supp extended next pages extended next pages	nes 57-59 and page 37 lines 1- lp_test_min_timer, I don't think ports extended next pages or is s. The spec seems to be saying s should always use the 6.75-7. the standard protocol and as s	it's clear if the tim currently in the p that a phy that h .25 timeout value.	ne out values is tied to rocess of exchanging as support of . The base page is to
Change 28.2.4.2 to 22 Response ACCEPT.	Response Status C			page exchange to us this part of the spec	se all the non-extended next pa seems to be saying that the ext	ige timeout values	s and counts. However,
Response ACCEPT.	Response Status C	Vill also check to	see if this has been	page exchange to us this part of the spec even during base pa	se all the non-extended next pa seems to be saying that the ext	ige timeout values	s and counts. However,
Response ACCEPT. This is an error also e caught in 802.3REVar	Response Status C existing in the 2002 edition. W m.			page exchange to us this part of the spec even during base pa Suggested Remedy	se all the non-extended next pa seems to be saying that the ext ge exchange. ond timeout value of 6.75-7.25	ige timeout values tended next page	s and counts. However, value is to be used
Response ACCEPT. This is an error also e caught in 802.3REVar Cl 28 SC 28.2.4.1	Response Status C existing in the 2002 edition. W m. .8 P26	Vill also check to s	see if this has been # 127	page exchange to us this part of the spec even during base pa <i>Suggested Remedy</i> Clarify when the sec timeout value is to b	se all the non-extended next pa seems to be saying that the ext ge exchange. ond timeout value of 6.75-7.25 e used.	ige timeout values tended next page	s and counts. However, value is to be used
Response ACCEPT. This is an error also e caught in 802.3REVar C/ 28 SC 28.2.4.1 Booth, Brad	Response Status C existing in the 2002 edition. W m. .8 P26 Intel			page exchange to us this part of the spec even during base pa Suggested Remedy Clarify when the sec	se all the non-extended next pa seems to be saying that the ext ge exchange. ond timeout value of 6.75-7.25 e used. <i>Response Status</i> C	ige timeout values tended next page	s and counts. However, value is to be used
Response ACCEPT. This is an error also e caught in 802.3REVar Cl 28 SC 28.2.4.1 Booth, Brad Comment Type E	Response Status C existing in the 2002 edition. W m. .8 P26	L1		page exchange to us this part of the spec even during base pa Suggested Remedy Clarify when the sec timeout value is to b Response ACCEPT IN PRINCI	se all the non-extended next pa seems to be saying that the ext ge exchange. ond timeout value of 6.75-7.25 e used. <i>Response Status</i> C	ige timeout values tended next page ms is to be used	s and counts. However, value is to be used and when the 5-7 ms
Response ACCEPT. This is an error also e caught in 802.3REVar Cl 28 SC 28.2.4.1 Booth, Brad Comment Type E	Response Status C existing in the 2002 edition. W m. .8 P26 Intel Comment Status A	L1		page exchange to us this part of the spec even during base pa Suggested Remedy Clarify when the sec timeout value is to b Response ACCEPT IN PRINCI	se all the non-extended next pa seems to be saying that the ext ge exchange. ond timeout value of 6.75-7.25 e used. <i>Response Status</i> C PLE.	ige timeout values tended next page ms is to be used	s and counts. However, value is to be used and when the 5-7 ms
Response ACCEPT. This is an error also e caught in 802.3REVar Cl 28 SC 28.2.4.1 Booth, Brad Comment Type E In Table 28-8, break th Suggested Remedy	Response Status C existing in the 2002 edition. W m. .8 P26 Intel Comment Status A	L1 columns.	# 1 <u>27</u>	page exchange to us this part of the spec even during base pa Suggested Remedy Clarify when the sec timeout value is to b Response ACCEPT IN PRINCI Add text to clause 55	se all the non-extended next pa seems to be saying that the ext ge exchange. ond timeout value of 6.75-7.25 e used. <i>Response Status</i> C PLE. 5 that clarifies 10GBASE-T will	ige timeout values tended next page ms is to be used always use the o	s and counts. However, value is to be used and when the 5-7 ms ptimized timers.
Response ACCEPT. This is an error also e caught in 802.3REVar Cl 28 SC 28.2.4.1 Booth, Brad Comment Type E In Table 28-8, break th Suggested Remedy	Response Status C existing in the 2002 edition. W m. Intel Intel Intel Comment Status A the MII/MDIO column into two Intel or MII (Clause 22), and anothe Response Status C	L1 columns.	# 1 <u>27</u>	page exchange to us this part of the spec even during base pa Suggested Remedy Clarify when the sec timeout value is to b Response ACCEPT IN PRINCI Add text to clause 55 Cl 28 SC 28.3.2	se all the non-extended next pa seems to be saying that the ext ge exchange. ond timeout value of 6.75-7.25 e used. <i>Response Status</i> C PLE. 5 that clarifies 10GBASE-T will <i>P</i> 37 Intel <i>Comment Status</i> A	ige timeout values tended next page ms is to be used always use the o	s and counts. However, value is to be used and when the 5-7 ms ptimized timers.
Response ACCEPT. This is an error also e caught in 802.3REVar Cl 28 SC 28.2.4.1 Booth, Brad Comment Type E In Table 28-8, break th Suggested Remedy Create one column for Response	Response Status C existing in the 2002 edition. W m. Intel Intel Intel Comment Status A the MII/MDIO column into two Intel or MII (Clause 22), and anothe Response Status C	L1 columns.	# 1 <u>27</u>	page exchange to us this part of the spec even during base pa Suggested Remedy Clarify when the sec timeout value is to b Response ACCEPT IN PRINCI Add text to clause 55 C/ 28 SC 28.3.2 Booth, Brad Comment Type E	se all the non-extended next pa seems to be saying that the ext ge exchange. ond timeout value of 6.75-7.25 e used. <i>Response Status</i> C PLE. 5 that clarifies 10GBASE-T will <i>P</i> 37 Intel <i>Comment Status</i> A	ige timeout values tended next page ms is to be used always use the o	s and counts. However, value is to be used and when the 5-7 ms ptimized timers.

2/25/2005

C/ 28 SC 28.5.3 Booth, Brad	P 44 Intel	L37	# 130	Cl 28C SC Booth, Brad	P 65 Intel	L 9	# 132
Comment Type T It should be mandaton optimized FLP-to-FLP required to be listed an suggested Remedy Remove *RNP and *R Pesponse ACCEPT.	Comment Status A y that AN support non-extende burst timing. Therefore, the o	nly options/capal	bilities that should be	Comment Type E In Table 28C-1, the 10 about 1000BASE-T. Suggested Remedy	Comment Status A GBASE-T Technology Messa ne message code description. Response Status C P66	ge Code also co	ntains information
28 SC 28.6 ynskey, Eric	sarily supports regular next pag P 57 UNH-IOL	ges and FLP Bur <i>L</i> 54	st spacing. # <mark>76</mark>	C C	Intel <i>Comment Status</i> R uld be able to work even if ext	ended next page	es are not used.
omment Type E Missing text. I don't re uggested Remedy Insert "Annex 28B" in a	Comment Status A emember removing this text. appropriate location.			Suggested Remedy Remove "extended" fro Response REJECT.	om first sentence. Delete last Response Status C	sentence.	
Response ACCEPT.	Response Status C			C/ 28C SC 28C.11 Booth, Brad	P 66 Intel	L 55	# 134
ooth, Brad	P 64 Intel	L18	# 131	Comment Type T Replace TBD.	Comment Status A		
have exchanged exter Suggested Remedy	Comment Status A icate extended next pages see nded next page capabilities in t	he base page.	considering that we	Suggested Remedy Cross-reference to 55. Response ACCEPT.	6.1. Response Status C		

Response

Response Status C

ACCEPT.

2/25/2005

C/ 28D SC 28D.5 Booth, Brad	P 69 Intel	L 45	# 135	C/ 45 SC 45.2.1 .9 Booth, Brad	59.1 P104 Intel	L 35	# 142
now supports extend message code #9, w	Comment Status A nded next pages" in this norma ed next pages. While the Task e don't need to call out "extend	Force is permitti		Comment Type E Sentence does make Suggested Remedy Change " during th	Comment Status A e sense. e startup protocol and invalid.'	' to " during the	startup protocol are
Suggested Remedy Remove inserted text	t in item b).			invalid."		0	
Response ACCEPT IN PRINCIF	Response Status C PLE.			Response ACCEPT.	Response Status C		
Insert word "optionall	y" with appropriate commas in	item b.		C/ 45 SC 45.2.1 .9 Booth, Brad	59.1 P104 Intel	L 36	# 143
C/ 44 SC 44 ₋ynskey, Eric	P 89 UNH-IOL	L 20	# 33	Comment Type T Replace TBD.	Comment Status A		
Comment Type E The draft includes an Suggested Remedy	Comment Status A Annex 55A that is not listed he	ere.		Suggested Remedy Change TBD to read PMA link_status = F/			
Change text to read '	and Annex 44A through Anne	ex 55A."		Response ACCEPT.	Response Status C		
Response ACCEPT.	Response Status C			C/ 45 SC 45.2.1.0 Booth, Brad	61 P106	L 41	# 144
C/ 45 SC 45.2.1 Booth, Brad	P101 Intel	L 47	# 136	Comment Type E	Comment Status A		
Comment Type E Numbering is not in c	Comment Status A order.			Suggested Remedy Change 1.133 to be			
Suggested Remedy Change 1.132 to 1.13 Response	31. Change the next row of the <i>Response Status</i> C	table to start at	1.132 instead of 1.133.	Response ACCEPT.	Response Status C		
ACCEPT.				Cl 45 SC 45.2.1 . Booth, Brad	7.4 P102 Intel	L 50	# 137
				Comment Type E Replace TBD.	Comment Status A		
				Suggested Remedy Change TBD to 55.4	2.2.		
				Response ACCEPT.	Response Status C		

 TYPE: TR/technical required T/technical E/editorial COMMENT STATUS: D/dispatched A/accepted R/rejected SORT ORDER: Clause, Page, Line, Subclause Pag
 Pag

 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 Clause

Page 4 of 30 C/ 45 SC 45.2.1.7.4

2/25/2005

C/ 45 SC 45.2.1.7. Booth, Brad	5 P103 Intel	L 8	# 139	C/ 45 SC 45.2.3.1 Booth, Brad	1.1 P113 Intel	L 36	# 145
Comment Type T Replace TBD with refe	Comment Status A rence.			Comment Type E Need a space.	Comment Status A		
Suggested Remedy Change TBD to be 55.	4.2.3.			Suggested Remedy Insert a space betwee	en & and 10GBASE-T.		
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
C/ 45 SC 45.2.1.8 Booth, Brad	P103 Intel	L 28	# 141	Cl 45 SC 45.2.7 Thompson, Todd	P 115 SolarFlare C	<i>L</i> ommunica	# 1 <u>5</u>
Comment Type E There is only one 10GI Suggested Remedy Insert a "the" before 10	Comment Status A BASE-CX4 PMD. DGBASE-CX4 and change PM	/IDs to PMD.		4 in Clause 55.6.	Comment Status A entire clause 45.2.7 numberin ole 45-117 on page 115 is mis		es not match Table 55-
Response ACCEPT.	Response Status C			Suggested Remedy Make table 55-4 matc	h Table 45-117 or vise versa.		
C/ 45 SC 45.2.3.1.	2 P	L	# 83	Fix the bottom outline	of Table 45-117 on page 115	5.	
McClellan, Brett	Solarflare			Response	Response Status C		
Comment Type T	Comment Status R		Gpcspma	ACCEPT IN PRINCIP	LE.		
Suggested Remedy Add text: When bit 3.0.14 is set	bit description needs to be u to a one, the 10GBASE-T PC e receive path. The specific b n 55.3.	S shall accept da:	ata on the transmit		8 will change and consolidate to ensure c55 will match c45		Once concluded
Response REJECT.	Response Status C						

Suggested text was already in the draft.

18

-					
C/ 45	SC 45.2.7	P115	L25	# 23	Cl 45
Thompso	on. Todd	SolarFlare Co	mmunica		Thomp

Thompson, Todd

Comment Status A Comment Type TR

This comment applies to all of Clause 45.2.7 and also 55.6.

Only when coming upon a reference to bit 6.1 in Table 45-121 and Clause 45.2.7.6.5 did it become clear that it's intended that a mixture of Clause 22/28 registers and Clause 45 registers will be required to manage auto-negotation for a 10GBASE-T PHY.

All other functions for 10GBASE-T PHYs can be accomplished using only Clause 45 registers.

A single-speed 10GBASE-T PHY should be capable of being managed entirely using Clause 45 registers.

Suggested Remedy

Duplicate the functionality of Clause 22/28 Registers needed for auto-negoation in Clause 45 so that a 10GBASE-T PHY may be managed entirely with an auto-negoation MMD.

Make the Clause 22/28 registers optional for 10GBASE-T, so that an implementor who is implementing a multi-speed PHY can manage the auto-negotiation using Clause 22/28 and only needs to turn to Clause 45 registers when needed to support the extended next page functionality offered in Clause 45.

If this approach is not taken, and an approach that splits the functionality between Clause 22/28 and 45 is used, then write a section documenting the bits and their usage for all bits in the Clause 22/28 registers which apply and do not apply to managing the PHY. (For example, there's a reset bit in the clause 22 register 0. Does setting this bit result in resetting all MMD's within the PHY? Just the auto-neg MMD? Etc. There are several other bits in the Clause 22 registers whose usage become vague when these registers get pulled in. (status bits. etc.)

Finally, some of the bits in Clause 22/28 were moved to Clause 45 registers. If the Clause 22/28 registers are left, these should be removed from Clause 45 (for example, 7.0.12 and 7.0.9 are also located in Clause 22 Register 0.

Response Response Status C

ACCEPT IN PRINCIPLE.

See response to comment 148

45	SC 45.2.7	P116	L15
			= 10

Thompson, Todd

Comment Type E

Comment Status A

Lines 15-17, Table 45-117. This comment also applies to Table 55-4 in Clause 55.6 and throughout Clause 45.2.7 in all other places.

SolarFlare Communica

The names in these two tables do not match and the names in Table 45-117 are incorrect (and throughout Clause 45.2.7). They are inconsistent with the names in Clause 28 and Clause 22 even though they share the same functionality.

Suggested Remedy

Both tables should have the same register names and register numbering.

Registers 7.19-7.21 in both tables and throughout 45.2.7 should be changed from "AN LD XNP ability register" to "AN XNP Transmit Register" to match the similar name in Clause 28 and to match it's functionality.

Registers 7.22-7.24 in both tables and throughout 45.2.7 should be changed from "AN LP XNP ability register" to either "AN LP Next Page Ability Register" to match Clause 28 or "AN LP Received Next Page" to match Clause 22. At least it should have the words "next page" in the name so as not to confuse it with register 7.16 in that same table (45-117).

Response Status C Response

ACCEPT IN PRINCIPLE.

Names should match. Ability register will become transmit register only for 7.19 through 7.21

XNP has already been used for "extended next page" thus 7.22-7.24 current name should be ok.

C/ 45 SC 45.2.7.1		L 36	# 146	C/ 45 SC 45.2.7.2	P 117 SolarFlare Co	L 34	# 17
Booth, Brad	Intel			Thompson, Todd		ommunica	
Comment Type T Table 45-118 for regis	Comment Status A ster 7.0 should have a reset bit				Comment Status A be SC and LH in addition to		
Resetting AN is accor registers to their defau state of AN and the st other MMDs that are i	to the table and the following t nplished by setting bit 7.0.15 t ult states. As a consequence, f ate of the physical link. This a nstantiated in the same packa one in bit 7.0.15 when a reset	o a one. This action his action may ch ction may also init ge. This bit is self	on shall set all AN ange the internal iate a reset in any -clearing, and AN	Add SC and LH to the F Response ACCEPT IN PRINCIPLI Make sure footnote has	Response Status C E.	ition in Clause 2.	2.
otherwise. AN is not r reset process is comp	equired to accept a write trans leted. The reset process shall vuring a reset, AN shall respon	action to any of its be completed wit	s registers until the hin 0.5 s from the	Cl 45 SC 45.2.7.2.1 Thompson, Todd Comment Type E		L 47 ommunica	# 19
NOTE—This operatio	n may interrupt data communi	cation.		Lines 47-53.			
Response ACCEPT.	Response Status C			The references to 7.16	and 7.19-7.21 are incorrect.		
C/ 45 SC 45.2.7.1 Booth, Brad	0 P122 Intel	L 50	# 150	Looking at the similar C are the registers "AN A Expansion Register".	dvertisement Register", "LP	rs listed are 4,5, AN Ability Regist	6 (in Clause 28) which er", and the "AN
	Comment Status A -124 seems a bit strange. Non natted code messages. From ne data.			Registers 7.19-21 being Suggested Remedy	o have been partially a resul g labelled "ability" when it is i		
Suggested Remedy				7.16 should be listed, be	ut not 7.19-21.		
List register 19, then 2	20, followed by 21.			Until the Clause 22/28 i listed in addition to 7.16	ssues are resolved, it's not o 3.	lear which other	registers should be
Same applies to Table Response ACCEPT.	e 45-125. Response Status C				sters are left, then registers sters 4 and 6 are moved to e ed.		
C/ 45 SC 45.2.7.2	P 117 SolarFlare Co	L 20 mmunica	# 16	Response ACCEPT IN PRINCIPLI	Response Status C E.		
Comment Type E Table 45-122 reference	Comment Status A ce is wrong.			Should be registers 7.1	6 and 7.22-7.24 for a link pa	rtner	
Suggested Remedy It should be Table 45-	- 119.						
Response	Response Status C						

C/ 45 SC 45.2.7.2 Booth, Brad	2.2 P117	L 55	# 147	Cl 45 SC 45 . Thompson, Todd	2.7.5.5	P 119 SolarFlare Co	L 37 mmunica	# 22
comment Type E	Comment Status A ences PMA/PMD when this bit	is only associated	with AN.	Comment Type E 211 should be 2		nment Status A		
uggested Remedy Change PMA/PMD in	the subclause to be AN.			Suggested Remedy Modify 11 to be a	an exponent of	2.		
esponse ACCEPT IN PRINCIF	Response Status C PLE.			Response ACCEPT.	Resp	onse Status C		
Delete remote fault b		L 26	# 148	C/ 45 SC 45 . Booth, Brad	2.7.6	P 120 Intel	L1	# 149
ooth, Brad omment Type TR The setup of the regis functionality. Unlike (of the PHY. AN shou uggested Remedy In Table 45-117, shift LD base page ability transmissions (as in I to registers 7.32 and	Intel <i>Comment Status</i> A sters here are a little jumbled b Clause 22, Clause 45 has the a Id be treated as a separate en registers 7.16 to 7.24 to be 7.7 register. Change register 7.7 t VII register 6), delete all other i 7.33. Register 7.32 should be for the base pages and next p <i>Response Status</i> C	ecause there is a r ability to separately tity. 19 to 7.27. Add re o indicate the statu nformation. Move renamed "10GBA	mix of Clause 22 y manage each part gister 7.16 to be AN us of next page registers 7.8 and 7.9 SE-T AN status	device and link p Suggested Remedy Change heading resolution status Response ACCEPT. CI 45 SC 45. Thompson, Todd	ot about the st partner. and supportin register". <i>Resp</i> 2.7.7	ament Status A atus of 10GBASE-T, I ig text to reference re- nonse Status C P121 SolarFlare Co ament Status A	gister as "10GBA L 26	
ACCEPT. PROPOSE Appropriate bits in cla 45 SC 45.2.7.5 nompson, Todd	ause 22 will be mirrored in clau 5.1 P119 SolarFlare Co	L 4	# 21	Test Mode Regis Suggested Remedy	ster 7.9 does n ode control req to-negotiation.	ot seem to be auto-no	0	
Comment Type E	Comment Status A				,			

2/25/2005

<i>CI</i> 45 Thompson	SC 45.2.7.9 Todd	P 122 SolarFlare Con	L 123 nmunica	# 25	C/ 55 Eisler, Geo	SC 55.1	P 139 Solarflare	L12	# 9
Comment		Comment Status A			Comment	0	Comment Status A		intro-cabling
	•••	to pages 122-123, all sections	s and tables rela	ated to the registers		51	testing all cabling systems	prior to installation	0
below.					Suggested	Remedy			
	mes are incorrec	t for registers 7.19-21 and 7.2	2-24. See previ	ous comment		e following text			
Suggested Chang		per previous comment.			measu	ured/tested befo	nded that any cabling syste ore the installation of 10GB ed) ANSI/TIA/EIA TSB 155	ASE-T equipmentb	
Response		Response Status C			Response		Response Status C		
•	PT IN PRINCIPLI					PT IN PRINCIF	•		
See co	mment 18.				Motior Yes: 2		oosed response:		
C/ 55 Booth, Bra	SC	P 225 Intel	L1	# 154	No: 15				
Comment		Comment Status A		annex	Motior	n fails			
		w the correct format.		annex			nat the guidelines (propose		
Suggested Update		mply with the IEEE style guide	9		systen		lered before the installation	TO TUGBASE-T ed	quipment for any cabling
Response		Response Status C			Follow	ring text is appr	oved by acclamation		
ACCE	РТ.				B.2-10		nat the guidelines (propose 11801 Edition 2.1 be consid bling system."		
					C/ 55	SC 55.1	P139	L35	# 32
					Powell, Sc	ott	Broadcon	1	
					Comment	Type TR	Comment Status R		cablingafext
					FEXT E cabl	measurements ing. No data ha	objective is misleading as indicate that 10Gbps can as been presented to indic ng is capable of supporting	ot be broadly supp ate what percentag	orted over bundled class
					Suggested	l Remedy			
					Some	portion of the ir	objective (f) to "cat 6a" (or nstalled Class E will meet of ffic. See presentation for r	at 6a specifications	s and this portion can
					Response REJE	CT.	Response Status C		
					_	DRAWN. esponse to com	ment #31		

C/55 SC 55.1

C/ 55 SC 55.12 _ynskey, Eric	P 219 UNH-IOL	L1	# 51	<i>CI</i> 55 SC 55.3.10 Lynskey, Eric	P164 UNH-IOL	L 59	# 42
Comment Type E PICS are incomplete, a	Comment Status A and in different format than ot	her recent clause	pics es.	Comment Type E Missing period at end	Comment Status A of sentence.		pcspma
Suggested Remedy Commenter volunteers	s to help out with this.			Suggested Remedy Add period.			
Response ACCEPT IN PRINCIPI PICs will be taken out	Response Status C LE. of current draft and generated	d from Shalls in o	ther sections	Response ACCEPT.	Response Status C		
C/ 55 SC 55.2.1.2.	-	L31	# 87	<i>Cl</i> 55 SC 55.3.11 Lynskey, Eric	P165 UNH-IOL	L 6	# 44
Comment Type T	Comment Status A = READY is defined but nevel	rused	pcspma	Comment Type E Give full primitive nar	Comment Status A		pcspma
uggested Remedy Remove this value. esponse ACCEPT IN PRINCIPI	Response Status C E.			Suggested Remedy Replace UNIDATA.re Response ACCEPT.	quest with PMA_UNITDATA.re Response Status C	equest.	
Add text to clause 55 s "READY"	saying that for 10GBASE-T, li	nk_status does n	ot take the value	C/ 55 SC 55.3.12 Tellado, Jose <i>Comment Type</i> T	P165 Teranetics Comment Status A	L 8	# 99 testpattern
7 55 SC 55.3.10 ynskey, Eric comment Type E	P 164 UNH-IOL Comment Status A	L 58	# 4 <u>3</u> pcspma	values were replaced The second test is no	generator text was copied direct by TBD. The first test should be t useful. The third test is intend clude the LDPC error correctir	be covered by the	e PMA electrical tests.
	erence does not contain a figu	re number.	poopina	Suggested Remedy			
Suggested Remedy Replace with Figure 55	Ŭ			LDPC encoder and L	lder reference test 1 and 2 and DPC decoder. Moreover, to red bit PCS scrambler PRBS to get	uce the number	of PRBS generators
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		

C/ 55 SC 55.3.12 P 165 L 8 # 78 AcClellan, Brett Solarflare	C/ 55 SC 55.3.12 P165 L 9 # 45 Lynskey, Eric UNH-IOL
Comment Type T Comment Status D pcspma This test pattern section was copied from clause 49, but doesn't add any value for 10GBASE-T. 55.5.3 already specifies Transmitter test modes Suggested Remedy Remove this section. Response Status Z	Comment TypeTRComment StatusRtestpatterAre additional test patterns needed besides the ones defined in 55.5.3?Presently, I am not aware of tests that are being defined that would require these test patterns. Currently, these test patterns are defined to bypass all of the scrambling and coding of the PCS, and connect directly to the PMA. Unless a proposal is brought forward to fully define these patterns, I recommend removing this section.Suggested Remedy
, vithdrawn.	Remove subclause 55.3.12.
Cl 55 SC 55.3.12 P 165 L 8 # 111 Seki, Katsutoshi NEC Electronics	Response Response Status C REJECT.
Comment TypeTComment StatusAtestpatternI propose Pseudo random test pattern for BER monitor. The proposed pattern is useful to evaluate link including LDPC encoder/decoder, tx and rx AFE and cable.AFE	WITHDRAWN. Modify subclause 55.3.12 once the test patterns are defined
Test patterns for transmitter and thier control MDIO register are also defined in 55.5.3. Pseudo random test mode should be marged into MDIO register for transmitter test mode.	defer till test patterns are defined.
uggested Remedy See proposal in seki_1_0205.pdf	CI 55 SC 55.3.14 P166 L14 # 46 Lynskey, Eric UNH-IOL Comment Type TR Comment Status A pcspn
Response Response Status C ACCEPT.	Comment Type TR Comment Status A pcspn The sentence is incomplete. Also, the descrambler being used by the MASTER should be defined.
	Suggested Remedy Finish sentence with "for the SLAVE, and shall produce the same result as the implementation shown in Figure 55-12 for the MASTER." Also, add figure 55-12 to show the MASTER descrambler. Response Response Status C ACCEPT.
	C/ 55 SC 55.3.16 P167 L 22 # 47 Lynskey, Eric UNH-IOL
	Comment Type E Comment Status A pcspn Wrong word for Auto-Negotiation. Also occurs on line 30 on this same page and subclause
	Suggested Remedy Replace autoneg with Auto-Negotiation.
	Response Response Status C

Cl 55 SC 55.3.16	P167	L 22	# 100	C/ 55	-	5.3.16.2	P169	L10	# 101
Tellado, Jose	Teranetics			Tellado, Jo			Teranetics		
	Comment Status A riodic PMA training sequence repetition period of the pair / ary				eld bits m PBO desi	ed remot	Comment Status R fined to indicate current loca e tx THP/PBO, counters, SN		
Suggested Remedy Replace TBDperiodic wi Response ACCEPT.	ith 2^16=16384 Response Status C			'4' bits multip 335ms numbe	for each les of PM s), 5 bits f er of cour	THP inde A training for slicer s iters shou	ex, '3' bits for each PBO inde g periods with a max time int SNR margin in 0.5dB increm Ild include remaining periods nd periods to transition to da	erval of 2^14/8 ents from -5dB s to Master TH	00e6*(2^12-1) = to 10.5dB. The
C/ 55 SC 55.3.16 Lynskey, Eric	P 167 UNH-IOL	L 22	# 50	Response REJE			Response Status C		
Suggested Remedy Remove this from the A Response ACCEPT IN PRINCIPLE	Comment Status A hat allow for the resetting of t uto-Negotiation process or d <i>Response Status</i> C E. uto-negotiation process; this	efine these page	S.	Cl 55 McClellan, Comment The de Suggested	Brett <i>Type</i> escriptior <i>Remed</i> y	/	P169 Solarflare <i>Comment Status</i> A to field is incomplete.	L 8	# 80
<i>Cl</i> 55 SC 55.3.16 Lynskey, Eric	<i>P</i> 167 UNH-IOL	L 29	# 49	Response ACCE		RINCIPLE	Response Status C		
between link partners du Suggested Remedy	Comment Status A o page defined to transmit th uring Auto-Negotiation. uto-Negotiation process or d			Cl 55 McClellan, Comment	SC 5 Brett <i>Type</i>	5.3.16.3 T	ellan_2_205.pdf P169 Solarflare <i>Comment Status</i> A	L 20	# <mark>79</mark> pcspma
Response ACCEPT IN PRINCIPLE Remove this from the au	Response Status C E. uto-negotiation process; the s	seeds will be har	dcoded	Suggested	<i>l Remed</i> y ve the se	/	t from clause 40 and should Response Status C	de eliminated.	

2/25/2005

Cl 55 SC 55.3.16.3 Tellado, Jose	P169 Teranetics	L 21	# 102	<i>Cl</i> 55 <i>SC</i> 55.3.18.2 Lynskey, Eric	P 174 UNH-IOL	L14	# 54
Comment Type E This section header wa currently empty	Comment Status A s copied from clause 40 and	is not needed he	<i>pcspma</i> ere. This section is	Relating to Figure 55-13, the	<i>mment Status</i> A 125us_timer is not defi	ned.	pcspma
Suggested Remedy Remove this header				Suggested Remedy Need to add subclause prior t	o the state diagrams.		
Response ACCEPT.	Response Status C			55.x.x.x Timers State diagram timers follow th	e conventions of 14.2.	3.2.	
C/ 55 SC 55.3.18.2 Tellado, Jose	P 173 Teranetics	L 39	# 103	125us_timer Timer that is triggered every Response Res	/ 125us +1%, -25% ponse Status C		
Comment Type T Error block counter is T	Comment Status R		Gpcspma	ACCEPT.			
Suggested Remedy Replace with 6 bit coun	ter			C/ 55 SC 55.3.18.2 Lynskey, Eric	P174 UNH-IOL	L 3	# 53
Response REJECT.	Response Status C			Comment Type T Con As shown in Figure 55-13, the	mment Status A e variable r_test_mode	is not defined a	<i>testpattern</i> nyplace.
WITHDRAWN.				Suggested Remedy If no PCS test modes are defi	,		
Cl 55 SC 55.3.18.2 McClellan, Brett	P 173 Solarflare	L 39	# 81	diagram. Or, if PCS test mode Recommend renaming to rx_t	est_mode and defining	g as such:	
Comment Type T Error blocks counter is	Comment Status A defined in 45.2.3.12.4 to be 8	bits.	pcspma	rx_test_mode: Boolean variab the receive channel operates test-pattern mode.			
Suggested Remedy Change TBD-bit to 8-bi	t.			Response Res ACCEPT IN PRINCIPLE.	ponse Status C		
Response ACCEPT.	Response Status C						
				remove reference to r_test_m	ode from the state diag	gram	

Page 13 of 30 C/ 55 SC 55.3.18.2

<i>CI</i> 55 Lynskey, E	SC 55.3.18.2 ric	P174 UNH-IOL	L 4	# 55	<i>Cl</i> 55 <i>SC</i> 55.3.2 Seki, Katsutoshi	P.1 P154 NEC Electroni	L16	# 108
Comment :	Туре т	Comment Status A		pcspma	Comment Type T	Comment Status A		pcspma
As sho or RX_	wn in Figure 55-1 INIT states if !blo	13 and Figure 55-15, the devic ck_lock is true. None of the s	tate diagrams i	in the LFER_MT_INIT in this clause define	••	ates(SIGNAL_OK)" and "sync_st ause55	tatus" are not de	
		able is set or used. Its definition delineation, but this is never e			Suggested Remedy			
Suggested	•				Chenge "PMA_SIG Chenge "sync_statu	NAL.indicates(SIGNAL_OK)" to " us" to "block_lock"	PMA_RXSTATU	US.indicates(OK)"
•	tly define the circu diagram.	umstances that set block_lock	(and also how	it is lost), preferably in	Response	Response Status C		
Response		Response Status C			ACCEPT.			
ACCE					<i>CI</i> 55 <i>SC</i> 55.3.2 Lynskey, Eric	2.2 P154 UNH-IOL	L16	# 34
C/55	SC 55.3.18.2	P176	L 2	# 56	Comment Type T	Comment Status A		pcspma
ynskey, E		UNH-IOL			21	indicate primitive used here is no	ot defined anypla	
Comment		Comment Status A		pcspma	 Suggested Remedy	·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
seems		a reset variable that brings you need to have both a pcs_reset igure 55-15).			,	MA_RXSTATUS.indicate(loc_rcv	vr_status). Whe	n loc_rcvr_status
		o ,						
Suggested	Remedy				Response	Response Status C		
	-	ariable and make consistent th	nroughout diagi	ams.	Response ACCEPT.	Response Status C		
Collap: Response	se into a single va	ariable and make consistent th <i>Response Status</i> C	nroughout diagr	ams.	•		L17	# 35
Collaps	se into a single va		nroughout diagi	ams.	ACCEPT.		L17	# 35
Response	se into a single va PT. SC 55.3.18.3		nroughout diagr	rams. # <mark>82</mark>	ACCEPT. Cl 55 SC 55.3.2 Lynskey, Eric Comment Type E	2 P154		# <u>35</u> pcspma
Collaps Response ACCEI Cl 55 McClellan, Comment	se into a single va PT. SC 55.3.18.3 Brett <i>Type</i> T	Response Status C			ACCEPT. <i>Cl</i> 55 SC 55.3.2 Lynskey, Eric <i>Comment Type</i> E The PMA_UNITDA ⁻ <i>Suggested Remedy</i>	.2 P154 UNH-IOL Comment Status A		
Collap: Response ACCEI Cl 55 McClellan, Comment The Lo Suggested Chang	se into a single va PT. SC 55.3.18.3 Brett Type T popback mode reg <i>Remedy</i> e TBD to 3.0.14.	Response Status C P174 Solarflare Comment Status A gister bit is located in 3.0.14.		# 82	ACCEPT. <i>Cl</i> 55 SC 55.3.2 Lynskey, Eric <i>Comment Type</i> E The PMA_UNITDA ⁻ <i>Suggested Remedy</i>	2.2 P154 UNH-IOL Comment Status A TA primitive name is chopped off		
Collaps Response ACCEI Cl 55 McClellan, Comment The Lo Suggested Chang Also up Response	se into a single va PT. SC 55.3.18.3 Brett Type T popback mode reg Remedy e TBD to 3.0.14. podate 45.2.3.1.2 (Response Status C P174 Solarflare Comment Status A gister bit is located in 3.0.14. See other comment). Response Status C		# 82	ACCEPT. <i>Cl</i> 55 <i>SC</i> 55.3.2 Lynskey, Eric <i>Comment Type</i> E The PMA_UNITDA ^T <i>Suggested Remedy</i> Change to "PMA_U <i>Response</i>	2.2 P154 UNH-IOL Comment Status A TA primitive name is chopped off NITDATA.indicate primitive". Response Status C		
Collaps Response ACCEI Cl 55 AcClellan, Comment The Lo Suggested Chang Also up Response ACCEI	se into a single va PT. SC 55.3.18.3 Brett Type T popback mode reg <i>Remedy</i> e TBD to 3.0.14.	Response Status C P174 Solarflare Comment Status A gister bit is located in 3.0.14. See other comment). Response Status C		# 82	ACCEPT. <i>Cl</i> 55 <i>SC</i> 55.3.2 Lynskey, Eric <i>Comment Type</i> E The PMA_UNITDAT <i>Suggested Remedy</i> Change to "PMA_U <i>Response</i> ACCEPT. <i>Cl</i> 55 <i>SC</i> 55.3.2 Lynskey, Eric <i>Comment Type</i> T	2.2 P154 UNH-IOL Comment Status A TA primitive name is chopped off NITDATA.indicate primitive". Response Status C		pcspma
Collaps Response ACCEI Cl 55 McClellan, Comment The Lo Suggested Chang Also up Response ACCEI	se into a single va PT. SC 55.3.18.3 Brett Type T popback mode reg Remedy e TBD to 3.0.14. podate 45.2.3.1.2 (PT IN PRINCIPLE	Response Status C P174 Solarflare Comment Status A gister bit is located in 3.0.14. See other comment). Response Status C		# 82	ACCEPT. <i>Cl</i> 55 <i>SC</i> 55.3.2 Lynskey, Eric <i>Comment Type</i> E The PMA_UNITDAT <i>Suggested Remedy</i> Change to "PMA_U <i>Response</i> ACCEPT. <i>Cl</i> 55 <i>SC</i> 55.3.2 Lynskey, Eric <i>Comment Type</i> T	2.2 P154 UNH-IOL Comment Status A TA primitive name is chopped off NITDATA.indicate primitive". Response Status C 2.2 P154 UNH-IOL Comment Status A		pcspma # <mark>36</mark>

2/25/2005

C/ 55	SC 55.3.4.1	P155	L 51	# 109	C/ 55	SC	55.3.6	P163	L1	# 39
Seki, Katsu		NEC Electronic	-	" 100	Lynskey, E		00.0.0	UNH-IOL	- 1	" 33
Comment 7	Туре Т	Comment Status A		pcspma	Comment	Туре	т	Comment Status A		scrambler
corresp	oondence betwee	en DSQ symbols and air A/B/C	/D should be c	defined	Since	this is a	self synd	chronizing scrambler, is it ne	cessary to define	e initial values?
Pair A :	correspondence : DSQ<4*n>	as follow				ce the fi	•	entences on this page with "" "	There is no requi	rement on the initial
Pair C :	: DSQ<4*n+1> : DSQ<4*n+2> : DSQ<4*n+3>				Response ACCE	PT.		Response Status C		
Response ACCEF	PT.	Response Status C			<i>CI</i> 55 Tellado, Jo		55.3.6	P163 Teranetics	L1	# 98
C/ 55	SC 55.3.4.6	P160	L11	# 110	Comment	Туре	т	Comment Status A		scrambler
Seki, Katsu		NEC Electronic	6				ave have dition is d	e different 58bit self sync scra ifferent	amblers. There is	s no need make sure
	yload of invalid F	PHY frame and first 65B block prevent undetected packet er		<i>pcspma</i> ame should be forced	S <i>uggested</i> Make i		•	ementer's choice		
Suggested	Remedy				Response			Response Status C		
		tions for invalid block. alid PHY frame and the first blo	ck of next PHነ	frame	ACCE	PT.				
Response ACCEF	PT.	Response Status C			Cl 55 McClellan,		55.3.6	P 163 Solarflare	L1	# 77
Cl 55	SC 55.3.6	P162	L 53	# 37	<i>Comment</i> The sc		T r initial st	Comment Status D ates are TBD.		scrambler
	<i>Type</i> T gram currently ex	UNH-IOL Comment Status A xists for SLAVE scrambler.		pcspma	"The n	ce with: naster a	ind slave	scrambler initial values shal Id local device as well as adj		e sufficient randomness
Suggested Add dia	<i>Remedy</i> agram for SLAVE	E scrambler.			Response			Response Status Z		
Response		Response Status C								
ACCEF	PT.				<i>CI</i> 55 Lynskey, E		55.3.7	P 163 UNH-IOL	L 27	# 38
					<i>Comment</i> No dia		T urrently e	Comment Status A xists for CRC8.		pcspma
					<i>Suggestea</i> Add di	<i>l Remeo</i> agram.	dy			
					Response ACCE	PT.		Response Status C		

 TYPE: TR/technical required T/technical E/editorial COMMENT STATUS: D/dispatched A/accepted R/rejected SORT ORDER: Clause, Page, Line, Subclause Page 15 of 30
 Page 15 of 30

 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 C/ 55
 SC 55.3.7

C/ 55 SC 55.3.8 Lynskey, Eric	P 163 UNH-IOL	L32	# 41	C/ 55 SC 55.4.2.2 Booth, Brad	P 178 Intel	L 48	# 138
Comment Type T It is not clear, from my uncoded. Figure 55-8 However, this diagram	Comment Status A reading of the text, which bits seems to show that 3 bits are appears to be informational, ks. Since I am not exactly cle	uncoded, skip 4 and not supportir	, then the next 3 ng mandatory text	Comment Type T Insert text for transmit fau Suggested Remedy Insert the following paragr	Comment Status A		pcspma
offer a detailed sugges Suggested Remedy Define how the scramb Response ACCEPT.	ted remedy. led bits enter the LDPC enco <i>Response Status</i> C	der.		mapped to the transmit fa	nction is optional. The fau If the MDIO interface is imp ult bit as specified in 45.2. Response Status C	plemented, then t	
C/ 55 SC 55.3.8	P163 UNH-IOL	L 42	# 40	C/ 55 SC 55.4.2.3 Booth, Brad	P 179 Intel	L9	# 140
Comment Type E Wrong word Suggested Remedy Change Appendix to Ar Response ACCEPT.	Comment Status A		pcspma		raph:	ecific fault. If the	MDIO interface is
C/ 55 SC 55.3.8.2 Lynskey, Eric	Р 173 UNH-IOL	L 39	# 52	Response ACCEPT.	Response Status C		
Comment Type E Since 8 bits are defined	<i>Comment Status</i> A I for this counter, maybe it sh	ould be an 8-bit o	<i>pcspma</i> counter.	C/ 55 SC 55.4.2.4 Tellado, Jose	P 179 Teranetics	L 14	# 105
Suggested Remedy Change TBD to 8. Response ACCEPT.	Response Status C					and timers for eac	
				See response to commen			

2/25/2005

Cl 55 Zimmerma	SC 55.4.2.4 n, George	P 179 Solarflare Co	L 27 mmunicat	# 8	<i>Cl</i> 55 Tellado, Jo	SC 55.4.3.1 se	P 180 Teranetic	L 34 cs	# 106
Comment [®] Power		Comment Status A quire definition to work with	AFEXT and AFE	<i>powerbackoff</i> XT scaling.	Comment T THP de		Comment Status A	R coeficients and nu	thp Imber of sets
	2 dB steps as in :	zimmerman_1_0205.pdf, as	s follows:		Suggested Update		ith updated THP proposa	l in tellado_1_0205.p	odf
Power Length 0-25 25-45 45-55 55-65 55-65 65-75 75-85 85-95 >95	 <9.0 9.0-16.2 16.2-19.8 19.8-23.4 23.4-26.9 26.9-30.5 				Moved second Yes: 38 No: 6 Abstair Motion With th	n: 13 passes	do /areljian ed below to tellado_1_020	5.pdf:	
					item #4 C/ 55 Lynskey, E Comment T	4 - Add extra ze SC 55.4.3.1 ric <i>Type</i> E	ero (1+betaD) {beta not ec P180 UNH-IOL Comment Status A	L 40	# <mark>48</mark> pcspma
Chang titled "ı	e the table in the eceived signal po	suggested remedy by addir wer (dBm) on worst pair" wer at MDI is computed as			Suggested	e with Auto-Ne	-		
An Edi voted i	torial note will be nto the draft and a	ns are for reference. added that says that the le are only for informational pu eted when the column for r	irposes to help p	eople in understanding	CI 55 Lynskey, E Comment T No stat Suggested	<i>Type</i> T te diagram is de	P181 UNH-IOL Comment Status D efined for 10GBASE-T Au		# 59 <i>pcspma</i> operation.
					Define <i>Response</i> WITHD	a new state dia DRAWN.	agram in Clause 55 or refe <i>Response Status</i> Z liagram in clause 40	erence the diagram f	rom Clause 40.

SC 55.4.4.1

C/ 55 SC 55.4.4.1 Seki, Katsutoshi	P181 NEC Electroni	L16 cs	# 112	Cl 55 McClellan,	SC 55.4.5.2 Brett	P 182 Solarflare	L 35	# 86
Comment Type T	Comment Status A		r	di Comment	Туре Т	Comment Status D		pcspma
Figure of Automatic MD	I/MDI-X state machine are m	issing		The "A	A_timer" defines	a timer for a state diagram no	ot included in the	draft.
Suggested Remedy Refer to Figure 40-17 "1	000BASE-T Auto Crossover	state diagram",	or copy it.			uto Crossover state diagram should be removed.	(Fig 40-17) need	ds to be added to
Response ACCEPT IN PRINCIPLE	Response Status C				ose that this text text in clause 55	be removed and have 55.4.4	refer to 40.4.4 r	ather than repeat the
Refer to the appropriate	section in clause 40 and ma	ke appropriate o	changes to clause 40	Suggested	d Remedy			
to make it applicable to			5		A_timer text.			
C/ 55 SC 55.4.5.1	P 182	L16	# 104		comply with 40.4	55.4.4.1 and 55.4.4.2 and in 4.	stead place a re	
Tellado, Jose	Teranetics			Response		Response Status Z		
Comment Type T	Comment Status X		Gpowerback	ff WITH	DRAWN.			
appropriate PBO setting	ve been specified, but the re as a function a channel cha			<i>Cl</i> 55 Lynskey, E	SC 55.4.5.2	P 182 UNH-IOL	L 42	# 57
Suggested Remedy			4.0005 - 11	Comment		Comment Status D		
Response	joint Power Back Presentation Response Status Z	on zimmerman_	1_0205.pdf	In cas	51	o support both 1000BASE-T	and 10GBASE-	<i>рсsрта</i> Г, there is no need to
WITHDRAWN.				Suggested	d Remedy			
See response to comme	ent #8			This ti	mer shall have a	period of 1.3s +/- 25%.		
Task force to discuss &	decide			Response WITHI	DRAWN.	Response Status Z		
				Will re	ference the state	e diagram in clause 40		
				<i>CI</i> 55 Lynskey, E	SC 55.4.5.2 Eric	P183 UNH-IOL	L 7	# 58
					e vendors want t	Comment Status D to support both 1000BASE-T or sample timer.	and 10GBASE-	<i>рсsрта</i> Г, there is no need to
				Suggested	d Remedy	period of 62 +/- 2ms.		
				Response		Response Status Z		
				Repla	ce by reference	to appropriate section of claus	se 40	

-								
Cl 55 SC 55.4.6 Thompson, Todd	P 185 SolarFlare Co		# 11	Cl 55 McClellan	SC 55.4.6.1	P 184 Solarflare	L 1	# 84
•		Jiiiiuiica			,			
just after the link monito Suggested Remedy	Comment Status A e diagram (figure 40-17 in 8 r state diagram, figure 55-19		<i>mdi</i> Id be duplicated here	and e Additi	PHY Control state endless loops. ionally, the maxw	Comment Status A e diagram has missing transition rait and minwait timers on pag roposed state diagram and tir	e 182 are TBD.	<i>startup</i> ers, missing timer start
Include the diagram.				Suaaeste	d Remedy			
Response	Response Status C				•	oposed state diagram and tim	iers.	
ACCEPT IN PRINCIPLE	Ξ.			Response	9	Response Status C		
Changed comment to a	oply to 55.4.6 and not clause	e 40		,	EPT IN PRINCIPI	-		
See response to comme				Upda	te section with pr	oposed state diagrams and ti	mers in	
CI 55 SC 55.4.6	P185	L1	# 85	mccle	ellan_2_0205.pdf			
McClellan, Brett	Solarflare			C/ 55	SC 55.4.6.2	P185	L 31	# 107
Comment Type T	Comment Status A		startup	Tellado, J	lose	Teranetics		
vs. PCS_status)	liagram does not match the diagram allows only 558 ms	1 0		Comment Figure		Comment Status A toneg ref is not confirmed		pcspma
link_fail_inhibit_timer).	agram that corrects these is		-	Suggeste	d Remedy should confirm			
Suggested Remedy				Response	9	Response Status C		
Update state diagram p	er the presentation.			ACCE	EPT IN PRINCIPI	_E.		
Response ACCEPT IN PRINCIPLE	Response Status C			<i>Cl</i> 55 Tellado, J	SC 55.5.1	P187 Teranetics	L10	# 88
Change the text for the choose a different value	link_fail_inhibit_timer definiti for 10GBASE-T	ion in clause 28	to make the link timer		51	Comment Status A ext relating to isolation require	ment. This text i	<i>pmaisolation</i> s similar to clause 40
Adopt the diagram in m	cclellan_2_0205.pdf (propo	sal for fig 55-19)	page 8 to be	Suggeste	d Remedy			
consistent with this chan Change link_status=fail				Revie		ext relating to isolation require	ment. This text i	s similar to clause 40
				Response ACCE		Response Status C		

C/ 55 SC 55.5.10 Tellado, Jose	P 195 Teranetics	L 34	# 97	Cl 55 SC 55.5. Lynskey, Eric	3 P188 UNH-IOL	L 35	# 64
Comment Type T Complete and approv	Comment Status A ve 55.5.10		pmacommon	Comment Type E In Table 55-3, the t this same page.	Comment Status A est mode bits can be defined.	This also applies t	<i>management</i> o the TBD in line 28 on
Suggested Remedy On line 35, replace Tl	BD with '2' and f1 with 80MHz			Suggested Remedy			
Response	Response Status C				be enabled by setting bits 7.9.	,	7045
ACCEPT.	P 187 Solarflare Com	L	# 117	For Table, replace Response ACCEPT.	bit 3 with 7.9.13; bit 2 with 7.9.1 <i>Response Status</i> C	4; and bit one with	17.9.15.
Comment Type TR	Comment Status A cified in paragraph 55.5.2 (see F		<i>pmajitter</i> d Table 55-2) is not	CI 55 SC 55.5. Chris, Pagnanelli	3 P189 Solarflare C	<i>L</i> ommunicat	# 114
required for measurin jitter and distortion ca contributions address procedures only requ	g Master/Slave timing jitter and of in be measured using the simplif- sing the subject of timing jitter and ire that connections be made to is using short lengths of UTP cal	distortion. Mas ed procedures d distortion. Th resisitive termin	ter and Slave timing given in recent nese simplified	TBD.	Comment Status A quencies for single-tone and tw	o-tone tests. Frec	<i>pmalinearity</i> juencies are currently
<i>Suggested Remedy</i> Delete paragraph 55.	5.2.	ening.			test frequencies proposed in c ty Specification". Test frequenc uirements are met.		
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
C/ 55 SC 55.5.2 Fellado, Jose	P188 Teranetics	L10	# 93	Task force to decid single tone: 800/10	e & discuss; 24*{53, 101 & 167} ether with comment # 90		
Comment Type T Test channel for trans Suggested Remedy	Comment Status A smitter jitter test is not approved		pmajitter	Proposal for two to 800/1024*{ [179,18 matches proposal i	1], [277,281], [397,401]}		
Remove table	Response Status C			CI 55 SC 55.5. Tellado, Jose	3 P189 Teranetics	L1	# 89
ACCEPT.				Comment Type T TBDnumbsym is ui 40MHz	Comment Status R nspecified. Setting this to 10 con	responds to an ou	<i>pmavoltage</i> utput frequency of
				Suggested Remedy Replace TBDnumb	sym by 10		
				Response	Response Status Z		

Cl 55 SC Tellado, Jose	55.5.3	P189 Teranetics	L19	# 90	<i>CI</i> 55 Chris, Pag		55.5.3	P 192 Solarflare Com	L	# 116
	_								municat	
Comment Type Specify frequ	T uencies for si	Comment Status R ngle tone nonlinearity test		pmalinearity		et up (F		Comment Status X 24) for transmitter timing jitter		
Suggested Reme Frequencies		1024*[13 23 53 101 167]				sary for		Figure does not show connect ng and does not show means		
Response		Response Status C			Suggested	l Reme	dy			
REJECT. Motion to ac	cept the prop	osed response:					re 55-24 v Specificati	vith figure provided in contribu	tion titled "Prop	osal for Transmitter
This would a Motion to act Yes:15		onal frequencies 800/1024[13, 23] to the s	et listed below		orce to	review &	Response Status Z decide omment #92		
No: 11	_				CI 55	SC	55.5.3	P 192	L10	# 92
Abstains: ~3	60				Tellado, Jo		55.5.5	Teranetics	210	# 52
Motion fails					Comment		т	Comment Status X		pmajitter
Task force to	o discuss & de	ecide; see comment #114 \	Which recomme	nds [53, 101, 167]			-	neasurements is not approved		pinajitor
CI 55 SC Tellado, Jose	\$ 55.5.3	P 189 Teranetics	L 21	# 91	Suggested Replac		•	ith figure in presentation tellad	lo_1_0205.pdf	
Comment Type	т	Comment Status A		pmalinearity	Response			Response Status Z		
Frequency p	airs for two to	one tests are not specified		, ,				deside. Deview to esthe subt		
Suggested Reme	edy				Taskin	orce to	discuss o	decide. Review together with	comment #110	
		e used for the two tone tes 7,281], [397,401]}	t:							
Response ACCEPT.		Response Status C								
Motion to act Yes: 29	cept the reso	ution:								
No: 1 Abstaining: -	~30									
Motion passe	es									

C/ 55 SC 55.5.	4 P192	L 42	# 6	C/ 55	SC	55.5.5	P103	L18	# 119
Zimmerman, George	Solarflare Cor	nmunicat		Halder, Bi	jit		Plato Network	S	
Comment Type T	Comment Status A		pmavoltage	Comment	Туре	т	Comment Status A		pmalinearity
	ge spec is redundant and unnece I. Keeping this redundant spec als				er SNR	, say no i	ations should be calculated so more than a small fraction of a		significant loss of
Suggested Remedy				••		•	average PSANEXT and new	DSAFEYT mod	al we recommend the
	ak voltage specification.			follow		es for the	e 4 TBDs in equation 55-7:		
Response ACCEPT.	Response Status C			2. X_ 3. f1=	nslope = 50 MH = 1MHz	=20 z			
Yes: 31	ne suggested remedy:						plied for full power operation, s in 0.4dB loss in SNR for 100		
No: 9 Abstain:				Response)		Response Status C		
/ botani				ACCE	PT.				
Motion passes				Motio	n to rec	onsider			
Task force to discu	uss & decide			Yes: 3 No: 4		UISIGEI			
Review with comm	ient # 94								
CI 55 SC 55.5.	-	L 42	# 94	Yes: 2 No: 4		ept the s	uggested remedy;		
Tellado, Jose	Teranetics			Absta	in:				
Comment Type T	Comment Status X		pmavoltage						
Transmit voltage is	s provided as a range (2V,2.5V); r	ecommend a sp	ecific voltage	Motio	n passe	S			
Suggested Remedy 2V +- 15%									
Response	Response Status Z			Task	force to	discuss &	& decide; review together with	comment # 11:	3
WITHDRAWN.				Straw Yes: 2	•	accepting	g 52dB SFDR		
				Straw Yes: 1		48dB SN	IDR		
				Motio Yes: 2 No: 1 Absta Motio	20 1 in:	ept the s	uggested remedy:		

Cl 55 SC 55.5.5 P192 L17 # 7 Cl 55 SC 55.5.5 P193 L # 113															
CI 55 S	C 55.5.5		P192	L17	7	# 7	7	C/ 55	SC	55.5.5		P193		L	# 113
immerman, G	eorge	:	Solarflare Con	nmunicat	t			Chris, Pag	gnanelli			Solarflare	Commur	nicat	
comment Type	E	Comment Si	atus A				pmalinearity	Comment	Туре	TR	Comme	ent Status R			pma
maintenand	ce of frequeo	ation is overly c cy breakpoints, s	slope and floo	r. Simplif	ify.	synchrono	DUS	distort range	tion due (fo) an	e to jitter a d breakpo	and noise, a pint for frequ	nd TBDs make	e specific 1) are no	ation incom t specified;	properly address pplete: lower end distortion upper l
Replace ec	quation 55-7	with form as in	pagnanelli_4_	_0105.pdf	f, slide 1.			Suggested	d Reme	edv					
Motion to a Yes: 23	N PRINCIPL	Response St E. oposed respons						Specif ratio o slope. specif	fy trans over 5 M . Tabul	mitter line MHz to 400 late specif	0 MHz band ications for new text as	l, using single clarity. Replac	equation	with approp g transmitte	o-noise-plus diste priate lower limit er linearity posal for Transm
No: 4 abstain:								Response	;		Respons	se Status C			
abstant.								REJE	CT.						
changed to "SNDR or			e 4 or pagnan	ielli_1_02	205.pdf wi	ith the left	side				nent # 119 uggested re	medy			
U			e + or paynan	elli_1_02	205.pdf wi	ith the left	side	Motior Yes: 2 No: 11 Abstai Motior	n to acc 20 1 in: n fails:	cept the su	uggested re	medy view with comi	ment #11	9	
Ū			e + or paynan	elli_1_02	205.pdf wi	ith the left	side	Motior Yes: 1 No: 11 Abstai Motior Task f	n to acc 20 1 in: n fails: force to	cept the su	uggested re	view with com	ment #11		# 95
U			e + or paynan	elli_1_02	205.pdf wi	ith the left	side	Motior Yes: 2 No: 11 Abstai Motior	n to acc 20 1 in: n fails: force to SC	cept the su	uggested re			9 <i>L</i> 18	# <u>95</u>
Ū.			e + or paynan	elli_1_02	205.pdf wi	ith the left	side	Motior Yes: 1 Abstai Motior Task f C/ 55 Tellado, Jo Comment	n to acc 20 1 in: n fails: force to SC ose · <i>Type</i>	cept the su discuss & 55.5.5 T	uggested re & decide; re Comme	view with com	3	L18	pma
0			e + or paynan	elli_1_02	205.pdf wi	ith the left	side	Motior Yes: 1 Abstai Motior Task f C/ 55 Tellado, Jo Comment Lower	n to acc 20 1 in: n fails: force to SC ose Type r end of d Reme	o discuss & 55.5.5 T	uggested re & decide; re <i>Comme</i> y range for	view with com P 193 Teranetics ent Status X	3	L18	pma

2/25/2005

SC 55.5.7

C/ 55 SC 55.5.5 Tellado, Jose	5 P193 Teranetics	L 37	# 96	<i>Cl</i> 55 Chris, Pagna	SC 55.5.6 nelli	P 193 Solarflare Co	L	# 115
Comment Type T The draft calls out r Suggested Remedy Set recommended recommended valu Response ACCEPT IN PRINC	Response Status C CIPLE. to recommended values			Comment Ty Transmit for maxir Suggested R Adopt sp Specifica Response ACCEPT Motion to	pe TR ter timing jitte num jitter intr <i>Remedy</i> recification pr ation"	Comment Status A er specification is incomplete. oduced by Slave loop timing oposed in contribution titled " Response Status C LE. proposed response	Text is needed. function.	
C/ 55 SC 55.5.5	5 P193 Solarflare Con	L 37 nmunicat	# 5	Task for	ce to discuss	& decide.		
are not required for	Comment Status A nearity specification is TBD. Value interoperability by definition. Det nighlighted significant differences	ate on simply th	ne required (normative)	figure as Jitter spe	per slide 9 o ecification mu	pagnanelli_2_0205.pdf f pagnanelli_2_0205.pdf st apply to master as well as	•	
	ecommendation" is unlikely to rep			<i>CI</i> 55 Halder, Bijit	SC 55.5.7	P 194 Plato Netwo	L 17 rks	# 118
Delete reference to	"recommended" linearity specific ed for interoperability.	ation. Provide o	only normative	Comment Ty The defir	,	Comment Status D r PSD mask starts from 5MHz	z. This allows trar	nsformer 3dB high pass
Response ACCEPT.	Response Status C	# 0C		droop. TI	he range of tr	MHz. Transformer with such ansformer allowed by the cur r interoperability.		
converted from "E"	ss & decide; review with commen to "T"	I # 90		Suggested R Reduce t	•	uency for lower mask to no la	rger than 500KHz	Ζ.
				Response WITHDR	ΔΜΝ	Response Status Z		

WITHDRAWN.

No change is necessary in the PSD mask because the specific problem highlighted, which is droop at the transformer output, is covered by the droop test in "55.5.4.2 Maximum output droop" of draft 1.3

C/ 55 SC 55.6 Booth, Brad	P 197 Intel	L 35	# 151	C/ 55 SC 55.6.1 P197 L 24 # [6] Lynskey, Eric UNH-IOL	j1
Comment Type T Table 55-4 references C	Comment Status A Clause 22 register set.		management	Comment Type T Comment Status A Git With the addition of loop timing negotiation, this statement is not correct. Git Git Git	management
Suggested Remedy Delete CLause 22 regis	ter references from the table			Suggested Remedy Recommend removing these 3 sentences.	
Response ACCEPT IN PRINCIPLE	Response Status C E.			Response Response Status C ACCEPT.	
Appropriate additional r	eferences will be added base	ed on resolution	of other comments.	Would like some discussion on this.	
C/ 55 SC 55.6 Thompson, Todd	P 198 SolarFlare Co	<i>L</i> mmunica	# 20	CI 55 SC 55.6.1.1 P197 L 36 # 2 Thompson, Todd SolarFlare Communica	26
Comment Type E Table 55-4 is missing se	Comment Status A everal registers defined in 45	.2.7.	management	Comment TypeEComment StatusATable 55-4 Register 0, Type should be R/W.	management
Suggested Remedy Add the missing registe	rs into Table 55-4.			Suggested Remedy Control register 0 is a writeable register. Change it to R/W.	
For example, 7.2, 7.3, 7 Response ACCEPT IN PRINCIPLE	Response Status C =.			Response Response Status C ACCEPT IN PRINCIPLE. The correction will be made, or this row may be removed pending resolution of c 151.	omment
C/ 55 SC 55.6.1	rences will be added. See al P197 UNH-IOL	L 21	# 60	C/ 55 SC 55.6.1.1 P198 L1 # 2 Thompson, Todd SolarFlare Communica SolarFlare Communica	27
Comment Type E	Comment Status A	Lis to negotiate	management	Comment Type E Comment Status A A Table 55-4 is inconsistent with Clause 45.2.7. 56.2.7.	management
Suggested Remedy Add item mentioning loc	op timing to list.			Suggested Remedy Make the register numbering, Names, and descriptions match 45.2.7. There are in the Description/paragraph numbers, numbering, some AN registers are missin defined in 45.2.7, and the name of AN LP XNP NP TX register should be AN LP	ng that are
Response ACCEPT.	Response Status C			ability register. Response Response Status C	
				ACCEPT IN PRINCIPLE. See also comment 20.	

Cl 55 Booth, Bra	SC 55.6.1.2	P198 Intel	L 45	# 152	Cl 55 Thompsor		55.6.2	P 200 SolarFlare Co		# 28
Comment		Comment Status A		management	Comment	Туре	Е	Comment Status A 6.6.2 in its entirety.	innunica	management
00	<i>d Remedy</i> ge table headings	to be Bit, Name and Descrip	tion.			are a r	number of	TBD's that should now be re	solved.	
28.2.1 refere 28.2.1	I.2.4, D13 is remo nce based on a C I.2.2, and D4:D0 is	s next page as per 28.2.1.2. te fault as per 28.2.1.2.3, D1 lause 28 comment, D11:D5 is the selector field as per 28.	2 is extended ne s the technology 2.1.2.1.	xt page as per a new ability field as per	Response ACCE	PT IN I	PRINCIPL	blace with appropriate registe <i>Response Status</i> C E. ced, will be replaced.	r/bit definitions.	
per 28	3.2.3.4.7, Ack2 is a	age: M10:M0 is the message acknowledge 2 as per 28.2.3 wledge as per 28.2.3.4.4 an	.4.6, MP is mess	age page as per	<i>CI</i> 55 Lynskey, E		55.6.2	P 200 UNH-IOL	L 20	# 63
The un		looks okay other than speci	fying the register	r, give the subclause	Comment Since		E single pag	Comment Status A le is being sent, it is not corre	ct to refer to "unf	management formatted page 1".
Response ACCE		Response Status C			S <i>uggested</i> Repla		-	E-T Technology Message Co	ode".	
CI 55 _ynskey, E	SC 55.6.1.3 Eric	P199 UNH-IOL	L 55	# 62	Response ACCE			Response Status C		
Annex negoti	ring readers to An	Comment Status A nex 40C may not be the best out sending normal next pag < to this Annex could lead to is.	es following a 10	00BASE-T page						
Optior negoti		e a new informative Annex the ext page negotiating with reg								
	n B: We can simpl onal pages.	y remove most of this text, a	s Clause 28 doe	s define how to send						
Response ACCE	PT IN PRINCIPLE	Response Status C								
Remo	ve most of this te	kt, as Clause 28 does define	how to send add	litional pages.						
Const	der writing an info	rmative Annex later.								

2/25/2005

Cl 55 Thompson, T		5.6.2	P 200 SolarFlare Co	L 5 mmunica	# 29	C/ 55 SC 5 Lynskey, Eric	55.6.2	Р 201 UNH-IOL	L 46	# 66
Comment Ty	/pe	E eral TBDs	<i>Comment Status</i> A in this section.		management	Comment Type Replace TBD.	Е	Comment Status A		management
On page new fault		ine 42 the	re is a reference to 10.15 w	hich should be o	changed to refer to the	Suggested Remea	-	15.		
Suggested R	Remed	lv				Response		Response Status C		
		-	w with the text indicated:			ACCEPT.		•		
Page	Line	New Va	lue				55.6.2	P 201	L 47	# 67
200 5	5	Table 55-0	6			Lynskey, Eric		UNH-IOL		
200 2	28	Table 55-	-6			Comment Type Replace TBD.	Е	Comment Status A		management
201 4 201 4	42 46 47	7.7.15 7.7.14	should be 7.8.15			Suggested Remea Replace TBD	-	.2.4.		
201 5 202 1		7.8.15 55.4.2.4 7.7.15				Response ACCEPT.		Response Status C		
202 1	9 13 16	First occu 55.2.4 7.8.15	rence 7.8.15 second 7.8.14			C/ 55 SC 5	55.6.2	P 201 UNH-IOL	L 51	# 68
		RINCIPLE				Comment Type Replace TBD.	Е	Comment Status A		management
Cl 55 Lynskey, Eric	SC :	55.6.2	P 201 UNH-IOL	L 42	# 65	Suggested Remea Replace TBD	-	15.		
Comment Ty Wrong bi	/pe	E rence.	Comment Status A		management	Response ACCEPT.		Response Status C		
Suggested R Change		<i>ly</i> to 7.8.15.				C/ 55 SC 5 Lynskey, Eric	55.6.2	P 201 UNH-IOL	L 57	# 69
Response ACCEPT	Т.		Response Status C			Comment Type Replace TBD.	Е	Comment Status A		management
						Suggested Remea Replace TBD	-	14.		
						Response ACCEPT.		Response Status C		

 TYPE: TR/technical required T/technical E/editorial
 COMMENT STATUS: D/dispatched A/accepted R/rejected
 SORT ORDER: Clause, Page, Line, Subclause
 Page 27 of 30

 RESPONSE STATUS: O/open
 W/written C/closed
 U/unsatisfied Z/withdrawn
 C/ 55
 SC 55.6.2

2/25/2005

C/ 55 SC 55.6.2 Lynskey, Eric	P 202 UNH-IOL	L1	# 70	<i>Cl</i> 55 SC 55.6 . Lynskey, Eric	.2 P202 UNH-IOL	L 23	# 74
Comment Type E Replace TBD.	Comment Status A		management	Comment Type E Change note to inc	Comment Status A clude 1000BASE-T.		management
Suggested Remedy Replace TBD with 7.7	7.15.			Suggested Remedy Modify to "if 10G	BASE-T or 1000BASE-T is selec	ted"	
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
CI 55 SC 55.6.2 Lynskey, Eric	Р 202 UNH-IOL	L10	# 71	C/ 55 SC 55.7 Eisler, George	P 203 Solarflare	L 9	# 10
Comment Type E Replace TBDs.	Comment Status A		management	Comment Type TR Recommendation	Comment Status A for testing all cable installations		intro-cabling
Suggested Remedy Replace first TBD on	this line with 7.8.15, and replace	ce second TBD w	<i>v</i> ith 7.8.14.	Suggested Remedy Add the following p	paragraph:		
Response ACCEPT.	Response Status C			measured/tested b	mended that any cabling system, before the installation of 10GBASI bosed) ANSI/TIA/EIA TSB 155."		
C/ 55 SC 55.6.2 Lynskey, Eric	Р 202 UNH-IOL	L13	# 72	Response ACCEPT IN PRIN	Response Status C		
Comment Type E Replace TBD.	Comment Status A		management	See response to c	omment #9		
Suggested Remedy Replace TBD with 55	.2.4.			<i>Cl</i> 55 SC 55.7 . Alan Flatman	.2 P203 LAN Technol	L 37 ogies	# 1
Response ACCEPT.	Response Status C			Comment Type TR We need to refere	Comment Status A nce the ISO/IEC specification for	installed cabling.	cabling
C/ 55 SC 55.6.2 Lynskey, Eric	Р 202 UNH-IOL	L17	# 73	"Editor's Note: ISC	g editor's note at the end of this su D/IEC TR-24750: Assessment of in	nstalled Class E	5
Comment Type E Replace TBD.	Comment Status A		management		mum specified frequencies, shoul n case, it will replace the above re		
Suggested Remedy Replace TBD with 7.8	3.15.				Response Status C		
Response ACCEPT.	Response Status C			"Proposed Editor's cabling beyond the	tion to replace the words "will repl s Note: ISO/IEC TR-24750: Asses eir maximum specified frequencie n case, 802.3an will reference bot 55."	sment of installe s, should be avai	d Class E and Class F lable before 802.3an is

 TYPE: TR/technical required T/technical E/editorial COMMENT STATUS: D/dispatched A/accepted R/rejected SORT ORDER: Clause, Page, Line, Subclause Page 28 of 30
 Page 28 of 30

 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 C/ 55
 SC 55.7.2

2/25/2005

Cl 55 SC 55.7.3.1.2 Booth, Brad	2 P208 Intel	L 56	# 153	Cl 55 Alan Flatman	SC 55.7.3.2.2	P 210 LAN Technolo	L 53 ogies	# 3
Comment Type T Note c is not applicable	Comment Status A as Class F IL does not need	l to be extrapolat	<i>cabling</i> ed to 500 MHz.	Comment Typ We need		Comment Status A ISO/IEC specification for i	nstalled cabling.	cabling
Suggested Remedy Remove note c. Response ACCEPT IN PRINCIPL Provide reference to CI "The PS ANEXT for a C channel specified in ISC	ass F in note c. Class F channel assumes the	maximum insert	tion loss of a Class F	"Editor's I beyond th approved <i>Response</i> ACCEPT	following editor lote: ISO/IEC T eir maximum sp In which case, IN PRINCIPLE.	s note at the end of this su R-24750: Assessment of in pecified frequencies, should it will replace the above ref <i>Response Status</i> C	Istalled Class E be available be ference to TIA/E	ofore 802.3an is IA TSB-155."
C/ 55 SC 55.7.3.1.2 Alan Flatman	2 P209 LAN Technolo	L 4 ogies	# 2	(resolutio		erences when available. A Alan Flatman) is sufficient		of the editor's note
Comment Type TR We need to reference t Suggested Remedy	Comment Status A he ISO/IEC specification for i	nstalled cabling.	cabling	· · ·	SC 55.7.3.2.2	P211 Broadcom	L1	# 30
"Editor's Note: ISO/IEC beyond their maximum approved. In which cas Response	or's note at the end of this su TR-24750: Assessment of ir specified frequencies, should e, it will replace the above re <i>Response Status</i> C	stalled Class E a be available be	fore 802.3an is	AFEXT on each v	implies (to me, each wire pair vire pair - as lon	Comment Status A anyway) that the currently will perform the same as th g as the "identical" AFEXT esentation has been made	ne same system is equal to the a	with unequal AFEXT
	references when available. A #1 Alan Flatman) is sufficien		of the editor's note	worst cas pairs. Se	his claim. A mo e wire pair with e presentation v	ore accurate statement is th AFEXT that is 4dB higher t vith simulations comparing	han the average	AFEXT over all 4
C/ 55 SC 55.7.3.2.2 Powell, Scott	2 P210 Broadcom	L 45	# 31	Response	o equal SNR/pa	Response Status C		
Comment Type TR	Comment Status A		cablingafext		response to cor	nment #120		
	stant for 55m Category 6 cabl sly reported to the task force			Remove t	he note based o	on the averages being adde	ed to the column	in table 55-8
	dependent confirmation of me r than required, for 10GBASI formative.							
Response ACCEPT IN PRINCIPL	Response Status C	ad:						
Define a single 10Gb/s balanced copper cablin	PHY that would support links g as specified in 55.7	s of at least 55 m	to 100 m on four pair					
TYPE: TR/technical require	d T/technical E/editorial C	OMMENT STAT	US: D/dispatched A/accep	ed R/rejected S	ORT ORDER:	Clause, Page, Line, Subcla	ause Pa	qe 29 of 30

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

Page 29 of 30 C/ 55 SC 55.7.3.2.2

Halder, Bij	SC 55.7.3.2.2	P 211	L 2	# 120
-	it	Plato Network	s	
Comment	Туре Т	Comment Status A		cablingafe
4dB ov and sy the 4d is not the slin	ver the limit line fo vstem are designed B average improve seen in practice, h m system margin e	ulating the system margin w r PSAFEXT. Since the cable d with the 4dB margin, it is r ement. In other words, in the ow does the standard guara even with the 4dB improvem	e are certified ba not clear how the e event the 4dB g antees operation nent.	sed on the limit line standard guarantees gain due to averaging of 10G system given
	.1.2, page 209, lin	to 3.5 dB improvement for e 11.	PSANEXT num	ber in Section
Suggested	l Remedy			
		ne to match the improvement nes in addition to the worst		cable to qualify a test
Response		Response Status C		
ACCE	PT IN PRINCIPLE			
In tabl averaç In rega	ging over pairs. ard to cabling spec alk assumptions b	mn for the average value w sifications, we need to broad y requesting the assistance response determine the be	len the investiga of the TR42 and	tion of the alien ISO cabling groups
and or				
and or	ed for 10GBASE-1			
and or we nee			L37	# 4
and or we nee C/ 55	ed for 10GBASE-1 SC 55.8.3.1	Γ.	L37	# 4
and or we nee C/ 55	ed for 10GBASE-1 SC 55.8.3.1 ry	P 214	L 37	# <u>4</u>
and or we nee C/ 55 Cobb, Terr Comment	ed for 10GBASE-1 SC 55.8.3.1 Type T	P 214 Systimax		m
and or we nee CI 55 Cobb, Terr Comment Returr	ed for 10GBASE-T SC 55.8.3.1 Ty Type T to loss requirement	P 214 Systimax Comment Status A		m
and or we new Cl 55 Cobb, Terr Comment Return Suggested Remov	ed for 10GBASE-T SC 55.8.3.1 Type T To loss requirement I Remedy	P214 Systimax Comment Status A s and measurements do not and replace "an impedance"	t use a reference	mo that has a tolerance.