C/ 113 SC 113.3.6.4	P 117	L 37	# 1		C/ 113	SC 113.3	3.2.2.16	P 95	L 3	# 3	
Slavick, Jeff	Avago Technologi	ies			Slavick, Jeff			Avago Techn	ologies		
Comment Type E C	Comment Status A			EZ	Comment Ty	pe TR	Comn	nent Status R			PCS
In figure 113-17 there is an e	xtra "+" on the exit for TX_E	state going to ta	rget C					s the first row as C ection of the block.	ontrol block, has a	header for 2nd co	ontrol
SuggestedRemedy Remove the extranenous +					SuggestedR	emedy					
	contract Chathan				Convert	the 2nd rov	v of Example 1	in Figure 113-10 fi	om from D1-D7 to	o C0-C7	
Response Ri ACCEPT IN PRINCIPLE.	esponse Status C				Response		Respo	nse Status W			
Clean up exits to states TX_I Replace "(T_TYPE(tx_raw) = target C out of state TX_E, Move "T_TYPE(tx_raw) = (E exit from state TX_T, and Move "T_TYPE(tx_raw) = D" state TX_E.	= C+LII) + ⁻ with "T_TYPE(tx_ +D+T)" associated with exit f	_raw) = (C + LII)' from state TX_T	" and move next to to the left, abutting	g its	describe Example table 11 in Exam	ond row co d. 1 has 2 co 3-9 is follow ole 1's first	ontrol codes, 0 ved by 8 7-bit 0 row in Figure	a data blocks D1 the x1E and 0x78. The C-code control char 113-10. The secon D1 through D7, als	first control code acters (C0 through d control code 0x7	0x1E is, according h C7) which are de 78 is a start-of-frar	g to epicted me
C/ 113 SC 113.3.2.2.16	P 92	L 52	# 2		in Figure	9 113-10.		-			
Slavick, Jeff	Avago Technologi	ies			C/ 113	SC 113.3	3.2.2.8	<i>P</i> 90	L 34	# 4	
Comment Type TR C	Comment Status R			PCS	Slavick, Jeff			Avago Techn	ologies		
The transcoding process cau transcoded word. This adds			ocations of the			13-9 show:		nent Status A /65b Block formats	but the note below	w it then says igno	PCS pre
SuggestedRemedy					SuggestedR		ro not ngin.				
Change the transcoder to mo from position 0 to the first Co 8:1 mux, but the other 7 only	ntrol block down by 1 value.	This means loca			Remove instead	the illegal of C.	0	re 113-9 and updat eptions that are nov		1B to have Z chara	acters
ie. 0 - 0001 xxxx C0-C7 Control 1 - Data block (original locatio								algined block encod One Figure for 40g a			iow the
 2 - Data block (original location 3 - Data block (original location 	on 1)				Response ACCEP	Г.	Respo	nse Status W		-	

Response

Response Status W

REJECT. Commenter does not provide sufficient detailed remedy for text

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

CI 80 Slavick, Jef	SC 80.1.5	P 60 Avago Techno	L 39	# 5	<i>Cl</i> 80 Brown, Mat	SC 80.1.5	<i>Р</i> 60 АРМ	L 38	# 7
Comment 7		Comment Status A	liogies	Architecture	Comment 7		Comment Status A		Architecture
In table Suggestedf Add an Response	80-2 I believe the Remedy	e RS function is required for 4 81 RS for the 40GBASE-T ro <i>Response Status</i> W		KLGMII is optional	In Tabl 40GBA Clause Clause Clause Clause	e 80-2 several cc SE-T uses Claus 81 RS is manda 83 PMA is option 83B XLAUI is no	lumns in the 40GBASE-T ap se 28 AN, not Clause 73.	s used)	ect.
ACCLI		nem 107)			Suggested	Remedy			
C/ A Brown, Mati Comment 7		P 193 APM Comment Status A	L 1	# 6	Add a r rows.		lause 28 AN with "M" in the 4 and Clause 81 RS column p		and no text in the other
	are no instruction	s to edit Annex A.			In the 4	10GBASE-T row	and Clause 83 PMA column and Annex 83B XLAUI Colur	put "O".	
Delete	Annex A.					ble is getting a bi SE-KR4/CR4/T	t tight. Consider creating a ne PHYs.	ew table for 40GB	ASE-T PHY or for the
Response		Response Status W			Response		Response Status W		
ACCER					Response		Response Status W		
		E. I by end of WG ballot if there a	are not edits to be	e made, per Editor's note	ACCE		E. (overlap with comments 10 medy, EXCEPT, retain the "0		33B column to allow for
Annex	A will be removed		are not edits to be	e made, per Editor's note	ACCE	nent suggested re	E. (overlap with comments 10 medy, EXCEPT, retain the "0		33B column to allow for # 8
Annex	A will be removed		are not edits to be	e made, per Editor's note	ACCEF Implem module	ent suggested re implementations SC 80.1.5	E. (overlap with comments 10 medy, EXCEPT, retain the "0	O" in the Clause 8	
Annex	A will be removed		are not edits to be	e made, per Editor's note	ACCER Implem module	t suggested re simplementations SC 80.1.5	E. (overlap with comments 10 medy, EXCEPT, retain the "0 <i>P</i> 65	O" in the Clause 8	
Annex	A will be removed		are not edits to be	e made, per Editor's note	ACCEF Implem module <i>Cl</i> 80 Brown, Mat <i>Comment T</i> There i "Note: XLGMI It is not physica	sc 80.1.5 sc 80.1.5 t Type TR s an instruction to -40GBASE-T u l interface." t clear what this n al layer.	E. (overlap with comments 10 medy, EXCEPT, retain the " P 65 APM Comment Status A o add the following next text a ses Clause 28 Clause 28 Au neans. I suspect it means that	D" in the Clause 8	# 8 <i>Architecture</i> 80-2. It is defined relative to the ines the PHY not the
Annex	A will be removed		are not edits to be	e made, per Editor's note	ACCEF Implem module C/ 80 Brown, Mat Comment 7 There i "Note: XLGMI It is not physica Howew	sc 80.1.5 sc 80.1.5 t <i>Type</i> TR s an instruction to -40GBASE-T u l interface." t clear what this r al layer. er, in real system	E. (overlap with comments 10 medy, EXCEPT, retain the " P 65 APM Comment Status A o add the following next text a ses Clause 28 Clause 28 Au	D" in the Clause 8	# 8 <i>Architecture</i> 80-2. It is defined relative to the ines the PHY not the
Annex	A will be removed		are not edits to be	e made, per Editor's note	ACCEF Implem module C/ 80 Brown, Mat Comment 7 There i "Note: XLGMI It is not physica Howew	SC 80.1.5 t Type TR s an instruction to 	E. (overlap with comments 10 medy, EXCEPT, retain the "0 P 65 APM Comment Status A o add the following next text a ses Clause 28 Clause 28 Au neans. I suspect it means that a complete physical layer is	D" in the Clause 8	# 8 <i>Architecture</i> 80-2. It is defined relative to the ines the PHY not the
Annex	A will be removed		are not edits to be	e made, per Editor's note	ACCEF Implem module Cl 80 Brown, Mat Comment 7 There i "Note: XLGMI It is not physica Howeve entire p	s an instruction to be implementations SC 80.1.5 t <i>Type</i> TR s an instruction to -40GBASE-T u I interface." t clear what this n al layer. er, in real system obyical layer explice <i>Remedy</i>	E. (overlap with comments 10 medy, EXCEPT, retain the "0 P 65 APM Comment Status A o add the following next text a ses Clause 28 Clause 28 Au neans. I suspect it means that a complete physical layer is	D" in the Clause 8 <i>L</i> 32 as a note to Table to-negotiation and at Clause 113 defi required and it is DGBASE PHYs.	# 8 <i>Architecture</i> 80-2. I is defined relative to the ines the PHY not the helpful to specify the
Annex	A will be removed		are not edits to be	e made, per Editor's note	ACCEF Implem module Cl 80 Brown, Mat Comment 1 There i "Note: XLGMI It is not physica Howeve entire p Suggested/ Delete	s an instruction to <i>SC</i> 80.1.5 t <i>Type</i> TR s an instruction to -40GBASE-T u l interface." t clear what this r al layer. er, in real system obyical layer explic <i>Remedy</i> this note and indi	E. (overlap with comments 10 medy, EXCEPT, retain the "0 P 65 APM Comment Status A o add the following next text a ses Clause 28 Clause 28 Au neans. I suspect it means that a complete physical layer is citly as is done for all other 40	D" in the Clause 8 <i>L</i> 32 as a note to Table to-negotiation and at Clause 113 defi required and it is DGBASE PHYs.	# 8 Architecture 80-2. I is defined relative to the ines the PHY not the helpful to specify the Table 80-2.
Annex	A will be removed		are not edits to be	e made, per Editor's note	ACCEF Implem module Cl 80 Brown, Mat Comment 1 There i "Note: XLGMI It is not physica Howeve entire p Suggested/ Delete	s an instruction to <i>SC</i> 80.1.5 t <i>Type</i> TR s an instruction to -40GBASE-T u l interface." t clear what this r al layer. er, in real system obyical layer explic <i>Remedy</i> this note and indi	E. (overlap with comments 10 medy, EXCEPT, retain the "0 P 65 APM Comment Status A o add the following next text a ses Clause 28 Clause 28 Au neans. I suspect it means that a complete physical layer is citly as is done for all other 40 cate all relevant sublayers ind	D" in the Clause 8 <i>L</i> 32 as a note to Table to-negotiation and at Clause 113 defi required and it is DGBASE PHYs.	# 8 Architecture 80-2. I is defined relative to the ines the PHY not the helpful to specify the Table 80-2.

	C 113.1									
	/ 113.1	P 65	L	# 9	C/ 113 SC 1	13.5.3	P 153	L 27	# 12	
Brown, Matt		APM			Anslow, Pete		Ciena			
Comment Type	TR	Comment Status A		Architecture	Comment Type	Е	Comment Status A			E
complete phy An example i layers and in as the XLGM	ysical layer a is Table 84-1 iterfaces that /II (81), RS (t define all of the mandator s is done for all 10GBASE- for 40GBASE-KR4. Such are relevant to 40GBASE- 31), XLAUI (83A, optional), E-R PMA (83, optional, but	R, 40GBASE-R, a a table is helpful to I but not defined ir 40GBASE-R PCS	nd 100GBASE-R PHYs. b identify the related the Clause 113 such	coupling" to "A Also applies to SuggestedRemedy	C-coupling PICS item		Ũ		
SuggestedReme	edy				Response		Response Status C			
		er clauses associated with indicate "optional" or "man		CS/PMA" list the	ACCEPT.					
Response		Response Status W				13.5.4.3	P 156	L 21	# 13	
ACCEPT IN					Anslow, Pete		Ciena			
		65, line 17, after "Clause 4			Comment Type	Е	Comment Status A			ΕZ
system with		2 for associated sublayers E-T PHY."	and options for as	sembling a 40Gb/s	There should b 6dBm should b		reaking) space between a nu	Imber and its uni	t.	
C/ 113 SC	113.3.2.2.8	P 90	L 34	# 10	SuggestedRemedy	/				
Anslow, Pete		Ciena			Change "6dBm	n" to "6 dBr	n" where the space is non-b	reaking (Ctrl spac	ce)	
Comment Type	ER	Comment Status A		PCS	Response		Response Status C			
		3-9 was the subject of com Suggested Remedy was i			ACCEPT.					
SuggestedReme	edv		·		C/ 113 SC 1	13.5.4.4	P 157	L 29	# 14	
Change "Not	•	n			Anslow, Pete		Ciena			
		n, 64 bit alignment" to: n, 64-bit alignment"			Comment Type spurious "bb" i	E n "test.bb"	Comment Status A			EZ
Response		Response Status W			SuggestedRemedy	/				
•	PRINCIPI F	. See comment 4, note to b	e deleted		delete "bb" at t	he end of th	ne subclause			
					Response		Response Status C			
C/ 113 SC Anslow, Pete	113.3.2.2.1	6 <i>P</i> 94 Ciena	L 1	# 11	ACCEPT. (Du	p of 81)	, -			
Comment Type In the title of	E Table 113-3	Comment Status A "Translation" should be "tr	anslation"	EZ						
SuggestedReme Change "Tra	•	translation"								
Response		Resnanse Status C								
Response ACCEPT.		Response Status C								

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

C/ 113 SC 113.6.1.1		L 2	# 15			SC 45.2.7.11	.8a	P 47	L 37	# 18
nslow, Pete	Ciena				Anslow, Pete			Ciena		
Comment Type E	Comment Status A			ΕZ	Comment Typ		Comment			E
"Clause 45" should be a	a cross-reference				Comment	#183 against	D2.0 was not i	mplemented co	orrectly.	
SuggestedRemedy					As the new	v subclause f	or "40GBASE-	T Fast retrain a	ability (7.33.0)" is I	being inserted after
Make "Clause 45" a cro	ss-reference									ubclause number shoul
Response ACCEPT.	Response Status C				be 45.2.7. (ACCEPT		.7.11.8a. This	was correct in	the Suggested Re	emedy of comment #18
ACCELLI.					SuggestedRer	nedy				
C/ 113 SC 113.7.5 Anslow, Pete	<i>P</i> 176 Ciena	L 9	# 16			diting instruct 2.7.11.9 afte	ion to: r 45.2.7.11.8 as	s follows:"		
Comment Type E	Comment Status A			ΕZ	Response		Response S	Status W		
On line 9 "cstalk" shoul On line 12 "following:ros	d be "crosstalk"			EZ	ACCEPT.					
SuggestedRemedy										
On line 9 change "cstal On line 12 change "follo										
Response ACCEPT. (Dup of 83)	Response Status C									
C/ 113 SC 113.12	P 181	L 19	# 17							
Anslow, Pete	Ciena									
Comment Type E	Comment Status A			ΕZ						
•	ould start at the top of a new pathe tables in 113.12.1.1 and 11	0	be based on those ir	n the						
SuggestedRemedy										
	er, set the heading for 113.12	to Start: Top of P	age as per the 802.	3						
	and the tables in 113.12.1.1 an	d 113.12.1.2 to b	e based on those in	the						
Response ACCEPT.	Response Status C									

	C/ 45 SC 45.2.1.6 P 32 L 5 # 20
ow, Pete Ciena	Anslow, Pete Ciena
ment Type T Comment Status A MultiG	Comment Type E Comment Status A
The register names for registers 1.133 through 1.144 are shown in Table 45-3 as changing from starting "10GBASE-T" to "MultiGBASE-T". However, the register names in the defining subclauses 45.2.1.66 through 45.2.1.77 do not start with "10GBASE-T", and are not modified in the current draft.	Comment i-51 against 802.3bx D3.0 has changed "reserved for future use" to "reserved" in Table 45-7. The inserted "1 0 0 1 1 0 = 40GBASE-T PMA/PMD" should be underlined. The row "1 0 1 1 1 1 = reserved for future use" should be "1 0 1 1 1 1 = 100GBASE-SR4 PMA/PMD"
To fix this issue, either: a) the register names in Table 45-3 should remain as shown and the register names in	SuggestedRemedy
45.2.1.66 through 45.2.1.77 changed to start "MultiGBASE-T"	Change "reserved for future use" to "reserved" (2 instances as the third will be removed).
or b) the register names in Table 45-3 should be shown as having "10GBASE-T" in strikethrough	Show "1 0 0 1 1 0 = 40GBASE-T PMA/PMD" in underline font. Change "1 0 1 1 1 1 = reserved for future use" to "1 0 1 1 1 1 = 100GBASE-SR4 PMA/PMD"
font to make them the same as in the defining subclauses.	Response Response Status C
Option a) has the merit of making the PHYs that use these registers clear, which it would otherwise not be.	ACCEPT.
Juliei wise houde.	C/ 45 SC 45.2.1.62 P 34 L 16 # 21
gestedRemedy	Anslow, Pete Ciena
either:	Comment Type E Comment Status A
 a) leave the register names in Table 45-3 as they are and the change the register names in 45.2.1.66 through 45.2.1.77 to start "MultiGBASE-T" (preferred) 	The text as modified is: "The assignments of bits in the MultiGBASE-T status register is show in Table 45–54." The use of the word "assignments" is almost unique within Section 4. There are:
b) change the register names in Table 45-3 to start with "10GBASE-T" in strikethrough font to make them the same as in the defining subclauses.	135 instances of "the assignment of bits in" 1 instance of "the assignments of bits in"
ponse Response Status C	SuggestedRemedy
ACCEPT IN PRINCIPLE. Taking option (b) - see comment 95	Change "assignments" to "assignment" by showing "assignments" in strikethrough font and "assignment" underlined.
The registers in question could be used by more backplane and optical PHYs as they develop more advanced link monitoring capabilities.	Response Response Status C ACCEPT.
	C/ 45 SC 45.2.1.64 P 34 L 45 # 22 Anslow, Pete Ciena
	Comment Type E Comment Status A In "MultiGBASE-T TX power backoff", the space between MultiGBASE-T and TX is shown
	underlined.
	underlined. SuggestedRemedy Remove the underline

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

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~										
CI 45	SC 45.2.7.10	P 44	L 21	# 23	CI 45 SC	45.2.7.10	.4c P 45	L 18	# 25	
Anslow, Pete		Ciena			Anslow, Pete		Ciena			
Comment Ty	pe TR	Comment Status A		10G Maintenance	Comment Type	Е	Comment Status A			ΕZ
		2.2 starts "Value always 0"			The definition	n of bit 7.32	2.4 should come before the de	finition for bit 7.32	2.3	
		reset PMA training PRBS e the base standard has the la			SuggestedReme Swap the or	,	efinitions for bits 7.32.3 and 7.	.32.4		
		efines this bit has had the bit has had the bit is not defined for			Response ACCEPT.		Response Status C			
45.2.7.11		bit 7.33.9 except: "Value alv is incorrect (should be Link ethrough font.			C/ 45 SC Anslow, Pete	45.2.7.10	.7 <i>P</i> 45 Ciena	L 42	# 26	
SuggestedRe					,	_				
Either:	Sincay				Comment Type	E	Comment Status A	a dal ba con daulta a	l	ΕZ
	ge the name of th	e bit to start "10GBASE-T"	and reinstate the c	definition in 45.2.7.10.5.			T" in the title of 45.2.7.10.7 sh	ouid be underline		
or b) Chang	no tho bit to bo ro	served by changing the Nan	no in Toblo 45 20"	7 from "I D DMA training	SuggestedReme	•				
		ed" and showing all of the ex			Underline "1	OGBASE-I				
		nderline and changing R/W			Response		Response Status C			
Option b)) seems to be be	yond the scope for the P802	2 3ba project uples	se there is a	ACCEPT. (I	Dup of 60)				
	ance request I ha				C/ 45 SC	45.2.7.11	P 46	L 15	# 27	r
					Anslow, Pete		Ciena	2 15	# ZI	
Make an	equivalent set of	changes for bit 7.33.9.			Comment Type	Е	Comment Status A			F7
		Response Status 🛛 🛛 🛛 🖉			51	E		been obeneed to		
•		•				208 "\/alua	always 0 writes ignored" has			in tho
ACCEPT			aat 1266 to dolot	a broken and as for	In Table 45- base standa		always 0, writes ignored" has	been changed to	value always 0	in the
This text unused n	was added in remode of operation	•	est 1266, to delet ad to preclude this	e a broken and so-far bit from future	base standa	rd. d bits in this	always 0, writes ignored" has row are "7.33.8:2" in the base	Ū		
ACCEPT This text unused n assignme	was added in re- node of operation ent. See comme	, sponse to maintenance requ n in 10GBASE-T. It is desire nts 59 & 63 for resolution.	ed to preclude this	s bit from future	base standa The reserve	rd. d bits in this t.	,	Ū		
ACCEPT This text unused n assignme	was added in re- node of operation ent. See comme SC 45.2.7.10	sponse to maintenance requ n in 10GBASE-T. It is desire	lest 1266, to delete ed to preclude this L 1	e a broken and so-far s bit from future # 24	base standa The reserve strikeout for <i>SuggestedRem</i> Change "Va	rd. d bits in this t. e <i>dy</i> lue always (,	e standard, so the		
ACCEPT This text unused n assignme C/ 45 Anslow, Pete	was added in re- node of operation ent. See comme SC 45.2.7.10	sponse to maintenance requ n in 10GBASE-T. It is desirent nts 59 & 63 for resolution. P 45	ed to preclude this	s bit from future	base standa The reserve strikeout for <i>SuggestedRem</i> Change "Va	rd. d bits in this t. e <i>dy</i> lue always (o row are "7.33.8:2" in the base), writes ignored" to "Value alv	e standard, so the		
ACCEPT This text unused n assignme C/ 45 Anslow, Pete Comment Ty/ The text	was added in re- mode of operation ent. See comme SC 45.2.7.10 pe E	n in 10GBASE-T. It is desir n in 10GBASE-T. It is desir nts 59 & 63 for resolution. P 45 Ciena Comment Status A Vrite, RO = Read only" shou	ed to preclude this	# 24 EZ	base standa The reserve strikeout for SuggestedReme Change "Va Show "8:2"	rd. d bits in this t. e <i>dy</i> lue always (s row are "7.33.8:2" in the base 0, writes ignored" to "Value alw and "7:3" underlined	e standard, so the		
ACCEPT This text unused n assignme Cl 45 Anslow, Pete Comment Typ The text ' hence on	was added in re- mode of operation ent. See comme SC 45.2.7.10 pe E "aR/W = Read/V the same page	n in 10GBASE-T. It is desir n in 10GBASE-T. It is desir nts 59 & 63 for resolution. P 45 Ciena Comment Status A Vrite, RO = Read only" shou	ed to preclude this	# 24 EZ	base standa The reserve strikeout for SuggestedReme Change "Va Show "8:2" Response	rd. d bits in this t. e <i>dy</i> lue always (s row are "7.33.8:2" in the base 0, writes ignored" to "Value alw and "7:3" underlined	e standard, so the		
ACCEPT This text unused n assignme Cl 45 Anslow, Pete Comment Typ The text ' hence on	was added in re- node of operation ent. See comme SC 45.2.7.10 pe E "aR/W = Read/V the same page emedy	n in 10GBASE-T. It is desir n in 10GBASE-T. It is desir nts 59 & 63 for resolution. P 45 Ciena Comment Status A Vrite, RO = Read only" shou	ed to preclude this	# 24 EZ	base standa The reserve strikeout for SuggestedReme Change "Va Show "8:2" Response	rd. d bits in this t. e <i>dy</i> lue always (s row are "7.33.8:2" in the base 0, writes ignored" to "Value alw and "7:3" underlined	e standard, so the		
ACCEPT This text unused n assignme Cl 45 Anslow, Pete Comment Typ The text ' hence on SuggestedRe	was added in re- node of operation ent. See comme SC 45.2.7.10 pe E "aR/W = Read/V the same page emedy	n in 10GBASE-T. It is desir n in 10GBASE-T. It is desir nts 59 & 63 for resolution. P 45 Ciena Comment Status A Vrite, RO = Read only" shou	ed to preclude this	# 24 EZ	base standa The reserve strikeout for SuggestedReme Change "Va Show "8:2" Response	rd. d bits in this t. e <i>dy</i> lue always (s row are "7.33.8:2" in the base 0, writes ignored" to "Value alw and "7:3" underlined	e standard, so the		

Comment ID 27

Cl 55 SC 55.3.4 Anslow, Pete	P 53 Ciena	L 4	# 28		C/ 80 S Anslow, Pete	SC 80.1.3	P 59 Ciena	L 9	# 31
Comment Type E	Comment Status A			EZ	Comment Type	e T	Comment Status A		E
Editing instruction sh	hould be "Delete the second parag	graph of 55.3.4 a	s shown:"			0	t D2.0 was ACCEPT but has	not been impleme	ented correctly.
SuggestedRemedy						ed in the cor	nment: 80.1.3 is to define the locatior	a whore the data	noth widths connot be
Change editing instru "Delete the second pa	uction to: aragraph of 55.3.4 as shown"				changed b location is.	y the implem	entation. Each element in the		
Response ACCEPT.	Response Status C				Change to	ses a 4 lane (was: I as specified in Clause 113 f data path." part (which is the p		
Cl 55 SC 55.3.5. Anslow, Pete	.3 <i>P</i> 54 Ciena	L 38	# 29		SuggestedRer	nedy	a path" to the end of item k)		
Comment Type E Editing instruction sh	Comment Status A nould be "Change the first paragra	aph of 55.3.5.3 as	s shown:"	ΕZ	Response		Response Status C		
SuggestedRemedy					ACCEPT.				
Change editing instru	uction to: agraph of 55.3.5.3 as shown:"					SC	Р 3 Ciena	L 20	# 32
Change editing instru "Change the first para					C/ 99 S	SC	-	L 20	# [<u>32</u>
Change editing instru "Change the first para	agraph of 55.3.5.3 as shown:"				Cl 99 S Anslow, Pete Comment Type	SC e E	Ciena		E
Change editing instru "Change the first para Response ACCEPT. Cl 55 SC 55.6.2	agraph of 55.3.5.3 as shown:" Response Status C P 55	L 33	# 30		Cl 99 S Anslow, Pete Comment Type The introd The latest	SC e E uctory text pr	Ciena Comment Status A ovided by the IEEE 802.3 W0 be found in the 802.3 FrameN	G Chair has been	E changed.
Change editing instru "Change the first para Response ACCEPT. Cl 55 SC 55.6.2	agraph of 55.3.5.3 as shown:" <i>Response Status</i> C	L 33	# 30		Cl 99 S Anslow, Pete Comment Type The introd The latest	SC e E uctory text pr version can vroject 802.31	Ciena Comment Status A ovided by the IEEE 802.3 W0 be found in the 802.3 FrameN	G Chair has been	E changed.
Change editing instru "Change the first para Response ACCEPT. CI 55 SC 55.6.2 Anslow, Pete Comment Type E	agraph of 55.3.5.3 as shown:" Response Status C P 55 Ciena Comment Status A	L 33	# 30	EZ	Cl 99 S Anslow, Pete Comment Type The introd The latest Revision p SuggestedRer	SC e E uctory text pr version can roject 802.31 medy	Ciena Comment Status A ovided by the IEEE 802.3 W0 be found in the 802.3 FrameN	G Chair has been laker template or	E changed. in Section 1 of the
Change editing instru "Change the first para Response ACCEPT. CI 55 SC 55.6.2 Anslow, Pete	agraph of 55.3.5.3 as shown:" Response Status C P 55 Ciena Comment Status A	L 33	# 30	EZ	Cl 99 S Anslow, Pete Comment Type The introd The latest Revision p SuggestedRer	SC e E uctory text pr version can roject 802.31 medy	Ciena Comment Status A ovided by the IEEE 802.3 W 0 be found in the 802.3 FrameN bx D3.1	G Chair has been laker template or	E changed. in Section 1 of the
Change editing instru "Change the first para Response ACCEPT. Cl 55 SC 55.6.2 Anslow, Pete Comment Type E 55.6.2 is not a paragr SuggestedRemedy	agraph of 55.3.5.3 as shown:" Response Status C P 55 Ciena Comment Status A			EZ	Cl 99 S Anslow, Pete Comment Type The introd The latest Revision p SuggestedRer Update the	SC e E uctory text proversion can roject 802.31 <i>nedy</i> e introduction	Ciena Comment Status A ovided by the IEEE 802.3 W0 be found in the 802.3 FrameW bx D3.1	G Chair has been laker template or	E changed. in Section 1 of the

C/ 99	SC		P 3	L 36	# 33		C/ 00	SC ()	P 20	L 20	# 34	
Anslow, Pe	te		Ciena				Anslow, Pe	ete		Ciena			
Comment ⁻	Туре	Е	Comment Status A			EZ	Comment	Туре	ER	Comment Status A			ΕZ
As the IEEE S Same Suggested Chang "IEEE Response	As the P802.3bq draft in IEEE Std 802.3bq-2011 Same issue on page 4, <i>uggestedRemedy</i> Change "IEEE Std 802.3bqTM-	is not currently approved it is ina 5 publication," line 25 2.3bq-2015" to "IEEE Std 802.3	EEE Std 802.3bq-201x" on page 3, line 36 and ch Std 802.3bqTM-201x" on page 4, line 25	te of	Establ docum by mu by the Also, t numbe #158 4 #170 4 #177 4 #182 4 #187 4 Howev the dra Suggested Remo For 1. 1.4.72 For 1. after 1 For 45 follows	ished 80 ished 80 ished 80 ished 80 ished 80 interval ished 80 ished 80 ish	2.3 practi is is partid endments ision proje- re multiple nd were <i>A</i> .9a 5a 4a 0.4a and 4 .7a 8.4a e commer te the corr mbering a ange the SE-SR4 a hange the bange the Da change	ice is that amendments do not cularly important for sections li a simultaneously. Any re-numb ect (such as the current 802.3b comments against P802.3bq ACCEPT. Examples are: 45.2.7.10.4b hts were not implemented corru- rect use of "a" subclause number and implement the comments r editing instruction to: "Insert the as follows:" e editing instruction to: "Insert the evice as follows:" e the editing instruction to: "Insert the evice as follows:"	ke 1.4 and Claus bering that is ready by D2.0 which pro D2.0 which pro ectly and the "re bers to avoid the noted above. the 40GBASE-T of the MultiGBASE sert 45.2.1.12.9a	se 45 which are mo puired is then perfor posed to remove th -number" text rema e need for this. definition into the lis -T definition into the lis after 45.2.1.12.9 a	ase odified rrmed ne "re- ains in st after ne list as		
							For 45 For 45 45.2.7	.2.3.9.4a .2.7.10.4 .10.4b, a	a change 1a and 45 and 45.2.7	the editing instruction to: "Inse the editing instruction to: "Inse .2.7.10.4b change the editing 7.10.4c after 45.2.7.10.4 as fol	ert 45.2.3.9.4a af instruction to: "In lows:"	ter 45.2.3.9.4 as fo nsert 45.2.7.10.4a,	ollows:"
							45.2.7	.11.7 as .2.7.13.4	follows:"	e the editing instruction to: "Ins			
							Response			Response Status W			
							ACCE	PT. (Du	p of com	ment 75)			

/00 SC 0 P 59 L 13 # <u>35</u>	Cl 113 SC 113.1 P 65 L 9 # 37
nslow, Pete Ciena	Anslow, Pete Ciena
omment Type ER Comment Status A E Comment i-31 against the revision project 802.3bx D3.0 has removed the text "CSMA/CD" from clauses for 10G and above since they are all full duplex. The suggested remedy follows the changes made in response to comment i-31 E	Comment Type E Comment Status A "cabling systebbms" should be "cabling systems" SuggestedRemedy
uggestedRemedy	Change "cabling systebbms" to "cabling systems"
In Figure 80-1 change: "LAN CSMA/CD AYERS" on three levels (note missing "L") to: "ETHERNET LAYERS" on two levels. In Figure 81-1 and Figure 113-1 change: "LAN CSMA/CD LAYERS" on three levels to:	Response Response Status C ACCEPT.
"ETHERNET LAYERS" on two levels. In the titles of Figure 81-1 and Figure 113-1, change: "the IEEE 802.3 CSMA/CD LAN model" to "the IEEE 802.3 Ethernet model"	C/ 113 SC 113.1.1 P 66 L 1 # 38 Anslow, Pete Ciena C
In 113.1.1 change: "IEEE 802.3 CSMA/CD LAN model" to "the IEEE 802.3 Ethernet model"	Comment Type E Comment Status A
and also change "the IEEE 802.3 (CSMA/CD) MAC" to "the IEEE 802.3 MAC" esponse Response Status W ACCEPT.	"Clause 81" should be a cross-reference (line 1) "Annex 83B" should have character tag "External" applied (line 2) "Clause 82" should have character tag "External" applied (line 3)
	SuggestedRemedy
01 SC 1.4.278a P 20 L 27 # 36 slow, Pete Ciena	Make "Clause 81" a cross-reference (line 1) Apply character tag "External" to "Annex 83B" (line 2) Apply character tag "External" to "Clause 82" (line 3)
omment Type E Comment Status A E In the definition for MultiGBASE-T: "1000Mbps" should be "1000 Mb/s" "Clause 55" should be "IEEE Std 802.3, Clause 55" and "Clause 55 should be a cross- E	Response Response Status C ACCEPT.
reference. "Clause 113" should be "IEEE Std 802.3, Clause 113" and "Clause 113 should be a cross- reference.	C/ 113 SC 113.1.2 P 69 L 8 # 39 Anslow, Pete Ciena
uggestedRemedy	Comment Type E Comment Status A
Change: "1000Mbps" to "1000 Mb/s" Change: "Clause 55" to "IEEE Std 802.3, Clause 55" and make "Clause 55" a cross-reference.	Comment i-85 against the revision project 802.3bx D3.0 has changed the expansion of XLGI from "40 Gigabit Media Independent Interface" to "40 Gb/s Media Independent Interface"
Change: "Clause 113" to "IEEE Std 802.3, Clause 113" and make "Clause 113" a cross-	SuggestedRemedy
reference. esponse Response Status C	In Figure 113-3, Figure 113-4, and Figure 113-5 change "FORTY GIGABIT MEDIA" to "40 Gb/s MEDIA" In 113.1.2.1 (page 70, line3) change "a Forty Gigabit Media Independent" to "a 40 Gb/s
ACCEPT. (Dup of 43)	Media Independent" In 113.2 a) change "Forty Gigabit Media Independent Interface" to "40 Gb/s Media Independ
	Interface" In 113.3.1 change "40 Gigabit Media Independent Interface" to "40 Gb/s Media Independent Interface"
	Response Response Status C

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

C/ 01 SC 1.4 HESS, DAVE	<i>P</i> 20 CORD DATA	L 30	# 40	C/ 01 HESS, DA	SC 1.4 /F		<i>P</i> 20 CORD DATA	L 30	# 42	
Comment Type ER	Comment Status A		Cabling	Comment T		Comme	ent Status A		C	abling
Include a new definition other balanced copper	n for "Class I" balanced copper c cabling types.	abling, similar to	and consistent with the			tion for "Catego opper cabling ty		per cabling simi	lar to and consistent	t with
SuggestedRemedy				Suggested	Remedy					
Insert the following new	v definitions into the list, in alpha	numerical order:		Insert t	he following r	new definitions i	nto the list, in alpha	anumerical order	r:	
connecting hardware w cabling components me to the requirements out Clause 25, Clause 40,	y 8.1 balanced cabling: Balanced whose transmission characteristic eet the performance specified in tlined in ISO/IEC 11801-1 Edition Clause 55, and Clause 113 spect 10BASE-T, 100BASE-T, 10GB	s are specified (ISO/IEC 11801) 3, IEEE 802.3 ify additional red	up to 2,000 MHz (i.e., -1 Edition 3). In addition Clause 14, Clause 23, quirements for this	hardwa compo require Clause	re whose tran nents meet th ments outline 40, Clause 5	nsmission chara le performance ld in ANSI/TIA-5 5, and Clause 1	specified in ANSI/7 568-C.2-1, IEEE 80	ified up to 2,000 FIA-568-C.2-1). D2.3 Clause 14, nal requirements) MHz (i.e., cabling	
Response	Response Status W			Response		Respons	se Status W			
ACCEPT IN PRINCIPI Use comment#42 as re				Catego		cabling: Balan			connecting hardware	
C/ 01 SC 1.4 HESS, DAVE	<i>P</i> 20 CORD DATA	L 30	# 41	that me 3 or Ca	et the Catego tegory 8 spec	ory 8.1 or Cateo cified in ANSI/T	gory 8.2 requiremen IA-568-C.2-1). In a	nts specified in I addition to the re	ISO/IEC 11801-1 Ec	dition
Comment Type ER Include a new definition the other balanced cop	Comment Status A n for "Class II" balanced copper of per cabling types.	abling, similar t	<i>Cabling</i> o and consistent with	Clause	25, Clause 4	0, Clause 55, a	SI/TIA-568-C.2-1, I nd Clause 113 spe 100BASE-T, 10G	cify additional re	equirements for this	
SuggestedRemedy	P = : = === :			C/ 01	SC 1.4.27	8a	P 20	L 27	# 43	
,	v definitions into the list, in alpha	umerical order:		Hajduczeni	a, Marek		Bright House N	letworks		
0				Comment 7	Гуре Е	Comme	nt Status A			ΕZ
	y 8.2 balanced cabling: Balanced			"at spe	eds in excess	of 1000Mbps"	- wrong speed form	nat		
	hose transmission characteristic eet the performance specified in			n SuggestedRemedy						
to the requirements out	tlined in ISO/IEC 11801-1 Edition	3, IEEE 802.3	Clause 14, Clause 23,	Change	e to "at speed	s in excess of 1	1000 Mb/s"			
	Clause 55, and Clause 113 spect 10BASE-T, 100BASE-T, 10GE			A la a						
Response	Response Status W				std 802.3, Claus		IEEE SIU 002.3, C	ause oo and "	Clause 113" with "se	ee
ACCEPT IN PRINCIPI	,			Response	,		e Status C			
						-				

ACCEPT IN PRINCIPLE. Use comment#42 for response

ACCEPT. (Dup of 36)

Comment ID 43

Cl 28 SC 28.3.1 P 2	1 <i>L</i> 10	# 44	C/ 45 SC 45.2.1.6	P32 L1	# 47
Hajduczenia, Marek Brigh	t House Networks		Hajduczenia, Marek	Bright House Networks	
Comment Type TR Comment Status "40GigT; represents that the 40GBASE-T PM 802.3bx, comment i-61 and i-60 (http://www.ie Comments_Final_bylD.pdf)	IA is the signal source." - p			Comment Status A t one marked change in row "1 0 0 1 1 x1 = 1 0 = 40GBASE-T PMA/PMD" should be added?	
SuggestedRemedy Per comment			SuggestedRemedy Per comment		
Response Response Status REJECT. 10GBASE-T PHYs do not include PMD, and			Response ACCEPT.	Response Status W	
Comments i-60 and i-61 on 802.3bx were with autoneg, where the BASE-T PHYs are.	n regard to clause 73 autor	neg, not clause 28	Cl 45 SC 45.2.1.62 Hajduczenia, Marek	P 34 L 16 Bright House Networks	# 48
Cl 30 SC 30.5.1.1.22 P 2 Hajduczenia, Marek Bright Bright	8 L 19 t House Networks	# 45	Comment Type ER Font mess: added text "	Comment Status A MultiG" is in smaller font than the remainde	EZ er of the "BASE-T" -
Comment Type E Comment Status "see 945.2.1.69" - not sure we have 945 Clau SuggestedRemedy Remove "9" Response Response Status ACCEPT.	ses :)	EZ	Text) as the remainder of	wly added text "MultiG" and make sure it is of the text - this applies to the whole Clause the font size misalignment is present. <i>Response Status</i> W	
Cl 30SC 30.5.1.1.24P 2Hajduczenia, MarekBrightComment TypeEComment Status	t House Networks	# 46 EZ	Cl 45 SC 45.2.1.64 Hajduczenia, Marek Comment Type E Space missing in "nego	1 P 35 L 6 Bright House Networks Comment Status A tiation process.The 10GBASE-T"	# [<u>49</u> <i>EZ</i>
"see 45.2.1.79.2 and 55.4.5.1 and 113.4.5.4" SuggestedRemedy Change to "see 45.2.1.79.2, 55.4.5.1, and 11	-		SuggestedRemedy Per comment Response	Response Status C	
Similar change in 30.5.1.1.25 Response Response Status ACCEPT.	с		ACCEPT IN PRINCIPL Add space and use und	E.	

C/ 45 SC 45.2.3.1.	2 P 37	L 23	# 50	C/ 45 SC 45.2.3	0.40	P 39	L 33	# [50	
Hajduczenia, Marek	2 P 37 Bright House		# 50	Hajduczenia, Marek	0.10	P 39 Bright House	- •••	# 52	
Comment Type E Editorial improvement for with the remainder of the	Comment Status A or "10GBASE-R or 10GBASE e text	-T or 40GBASE-1	EZ PCS" for consistency	Comment Type E the second "the" no SuggestedRemedy		nt Status A BASE-R, 10GBA	SE-T, or the 40G	BASE-T "	ΕZ
SuggestedRemedy				Change to "the BAS	E-R. 10GBASE-	T. or 40GBASE	-Т "		
Change to "10GBASE-	R, 10GBASE-T, or 40GBASE	-T PCS" with prop	per editorial markup	<u>-</u>		.,			
Cimilar change needed <i>Response</i> ACCEPT.	in Table 45–128, Table 45–12 Response Status C	29		Similar change in: 45.2.3.14, page 41, 45.2.3.14.1, page 4 45.2.3.14.1, page 4 45.2.3.14.2, page 4	1, line 41 1, line 43 2, line 5				
C/ 45 SC 45.2.3.7	P 38	L 33	# 51	45.2.3.14.2, page 4 several PICS in 45.					
Hajduczenia, Marek	Bright House			Response		e Status C			
Comment Type ER	Comment Status A		EZ	ACCEPT.	Response				
<i>,</i> ,	of register 3.8.6 should be sho	wn in underline -	t is new content						
SuggestedRemedy Per comment	C C C C C C C C C C C C C C C C C C C			Cl 45 SC 45.2. Hajduczenia, Marek	3.13.4	P 40 Bright House	L 45 Networks	# 53	
Response	Response Status W			Comment Type E	Commen	nt Status A			ΕZ
ACCEPT IN PRINCIPL Editing instruction for n	,E. ew row is an "insert" instructio	n, hence no unde	rline, rewrite editing	After the changes, t the state of the hi_lf 40GBASE-T 64B/6	er variable in the	10GBASE-T and	d	is a direct reflection of 13.3.6.2.2."	of
	ctions to make this clear: ow in Table 45–124 as shown	below and		SuggestedRemedy	-				
(line break)	e and description for bit 3.8.6	·		Suggest to change hi_lfer variable in th 55.3.6.1 and 113.3.	e 10GBĂSE-T ar	nd 40GBAŚE-T (64B/65B state dia	0 /	f the
				Response ACCEPT.	Response	e Status C			

CI 45	SC 45.2.3.14	P 41	L 14	# 54	C/ 45	SC 45	5.2.7.10	P 44	L 20	# 56
Hajduczen	ia, Marek	Bright House	Networks		Hajduczenia	, Marek		Bright Hous	e Networks	
Comment	Type ER	Comment Status A		Editorial - Not EZ	Comment T	ype -	TR	Comment Status A		10G Maintenance
implen R and device all bits	nent BASE-R, 100 MultiGBASE-T P		shall return a zero milar text in 45.2	o for all bits in the BASE- .3.13 reads "A PCS	Content 1 = Loc PRBS e	in 802.3 al device every fran	Bbx, D3.1 requests	7.32.2 in Table 45–207 is that link partner reset PM	A training	
		st case was carried over and rerted into "or" placed in front			continue	ously				
Suggestea	IRemedy				Content	in 802.3	8bq, D2.1			
		in 45.2.3.14 is correct (a PC 45.2.3.13 needs to be correct				al device	requests	that link partner run PMA	training PRBS	
Response	PT IN PRINCIPLI	Response Status W			continue SuggestedF	,				
40GB/ Chang	ASE-T shall"	d "A PCS device that implem d "A PCS device that implem						affects the operation of 10 s made at all. This project Response Status W		
C/ 45	SC 45.2.7.10	P 44	L 44	# 55	•	T IN PR	INCIPLE			
Hajduczen	ia, Marek	Bright House	Networks					sponse to maintenance rent in 10GBASE-T. See con		
Comment	Type ER	Comment Status A		Editorial - not EZ	unusea	mode of	operation	TIN TUGBASE-T. See CO	nments 59 & 63 h	
		adding 40GBASE-T, I would shown in underline - these a			<i>Cl</i> 45 Hajduczenia		5.2.7.10	P 45 Bright Hous	L 1 e Networks	# 57
Suggestea	lRemedy				Comment T	ype I	E	Comment Status A		EZ
Per co	mment				Footnot	e to Tabl	e 45–207	somehow got moved to n	ext page.	
Response		Response Status W			SuggestedF	Remedy				
	PT IN PRINCIPLI	E. ructions, so now underline. F	Rewrite editing ins	struction to make this	Beat on on its ov		make sur	e footnote is attached to ta	ble and now allow	ved to move to next page
clear:		erved row, and the name and	description of bit	s 7.32.0, 7.32.1, 7.32.2 in	Response ACCEP	т		Response Status C		

C/ 45	SC 45.2.7.10.4	lc P 45	L 24	# 58	C/ 45	SC 45.2.7	.10.7	P 45	L 42	# 60	
Hajduczenia,	Marek	Bright House	Networks		Hajduczen	nia, Marek		Bright House	e Networks		
without pe	editorial note - if ermission from t	Comment Status A other projects indeed need to his TF	o use this register	<i>Editorial - Not EZ</i> , they will do :) with or	Comment No edi Suggested	litorial markup		nment Status A			EZ
SuggestedRe	-				Under	rline: "10GBA	E-T "				
Per comn <i>Response</i> ACCEPT		Response Status C			Response ACCE	EPT. (Dup of 2	6)	oonse Status W			
<i>CI</i> 45 Hajduczenia,	SC 45.2.7.10.5 Marek	5 P 45 Bright House	L 31 Networks	# 59	<i>CI</i> 45 Hajduczen			P 46 Bright House	L 1 Networks	# 61	
Comment Typ		Comment Status A		10G Maintenance	Comment			mment Status A		Editorial -	
If this bit	is indeed reserve and not as "10G	ed for future use, then in Tab BASE-T LD PMA training re		uld be marked as	Suggested	dRemedy		le 45–208. Rows with ts 7.33.8 and 7.33.2	n dits 7.33.8 and	7.33.2 are newly ac	idea.
00					Response		D	<u> </u>			
do not giv Response ACCEPT This text unused m assignme	ve any name indi IN PRINCIPLE was added in re- node of operation ent. See comme	icating it is used by 10GBAS Response Status W sponse to maintenance requ n in 10GBASE-T. It is desire ant 63 for related resolution	E-T. lest 1266, to delete ed to preclude this		ACCE Rewrit Chang 7.33.0 Table (line b Insert	EPT IN PRINC te editing instr ge the title, the) in 45–208 and oreak)	IPLE. uction to sh reserved ro 3.8 before t	oonse Status W ow two instructions - ow, and the names ar ow, esserved row, and own):	nd descriptions fo	or bits 7.33.9, 7.33.′	1 and
do not giv Response ACCEPT This text unused m assignme Change c "Function	ve any name indi IN PRINCIPLE was added in re- node of operation ent. See comme description of bit n deprecated - Va	icating it is used by 10GBAS Response Status W sponse to maintenance requent in 10GBASE-T. It is desired ent 63 for related resolution 7.32.2 in Table 45-207 to re- alue always 0"	E-T. lest 1266, to delete ed to preclude this ead:	e a broken and so-far bit from future	ACCE Rewrit Chang 7.33.0 Table (line b Insert	EPT IN PRINC te editing instr ge the title, the) in 45–208 and oreak) row for bit 7.3	IPLE. Juction to sh reserved ro 3.8 before t rows not sh	ow two instructions - ow, and the names ar he reserved row, and	nd descriptions fo	or bits 7.33.9, 7.33.	1 and
do not giv Response ACCEPT This text unused m assignme Change c "Function (Delete (s	ve any name indi IN PRINCIPLE was added in re- node of operation ent. See comme description of bit n deprecated - Va strikeout) "0 = Lo	icating it is used by 10GBAS Response Status W sponse to maintenance requent in 10GBASE-T. It is desired and 63 for related resolution 7.32.2 in Table 45-207 to re	E-T. lest 1266, to delete ed to preclude this ead:	e a broken and so-far bit from future	ACCE Rewrit Chang 7.33.0 Table (line b Insert follows	EPT IN PRINC te editing instru- ge the title, the) in 45–208 and oreak) row for bit 7.3 s (unchanged	IPLE. Juction to sh reserved ro 3.8 before t rows not sh	ow two instructions - ow, and the names ar the reserved row, and nown):	hd descriptions fo I bit 7.33.2 after r	or bits 7.33.9, 7.33.′	1 and
do not giv Response ACCEPT This text unused m assignme Change c "Function (Delete (s continuou Replace t "Bit 7.32 training s indicating training P	ve any name indi IN PRINCIPLE was added in re- node of operation ent. See comme description of bit h deprecated - Va strikeout) "0 = Lo usly") the (entire) text of 2 is deprecated. sequence for 100 g the local device	icating it is used by 10GBAS Response Status W sponse to maintenance requ in in 10GBASE-T. It is desire ent 63 for related resolution 7.32.2 in Table 45-207 to re alue always 0" ocal device requests that link of 45.2.7.10.5 to read: Prior to July 2015 this bit was GBASE-T training. The value e expects link partner to run F sly through every PMA training	E-T. est 1266, to delete ed to preclude this ead: partner run PMA as used to control e of this bit should PMA	e a broken and so-far bit from future training PRBS an optional periodic always be set to zero,	ACCE Rewrit Chang 7.33.0 Table (line b Insert follows <i>CI</i> 45 Hajduczen <i>Comment</i> Multip D3.1. writes <i>Suggested</i>	EPT IN PRINC te editing instru- ge the title, the) in 45–208 and oreak) row for bit 7.3 s (unchanged SC 45.2.7 hia, Marek <i>Type</i> ER ble tables, inclu For example, ignored" to "\ dRemedy	IPLE. Juction to sh reserved ro 3.8 before t rows not sh .11 Cor ding Table Reserved b alue always	ow two instructions - ow, and the names ar the reserved row, and town): P 46 Bright House nment Status A 45–208 and Table 43 it 7.33.8:2 has descri	hd descriptions fo I bit 7.33.2 after r <i>L</i> 16 e Networks 5–207, are not ali	eserved row as # 62 gned with P802.3b	EZ x,

	SC 45.2.7.11.7	7 P 47	L 6	# 63	C/ 55 SC 5
Hajduczenia	a, Marek	Bright H	House Networks		Hajduczenia, Marek
Comment T		Comment Status		10G Mainten	<i>,</i>
		definition of a bit for 10 E-T but reserved for fu		then state that "This bit	is Editorial instruc
SuggestedF			lure use.		SuggestedRemedy
00	2	red for future use then	mark hit 7 32 9 as l	Reserved in Table 45–20	Change "Delete 8 below:"
Response		Response Status			below.
ACCEP This tex unused A value	mode of operatio	sponse to maintenanc n in 10GBASE-T. See uld likely be an error c	e request 1266, to d comment 59 for a r	elete a broken and so-fa elated resolution. nter is correct, this is a r	Response
		·			CI 78 SC 7
	escription of bit 7 ue not defined for	.32.9 in Table 45-208, 10GBASE-T"	replace "Value alwa	ys 0" with:	Hajduczenia, Marek
					Comment Type
		5.2.7.11.7 (P47 L10) f	from "This bit is not	defined for 10GBASE-T	but Inconsistenct c
	d for future use."				was modified to
to read: "Bit 7.32 for an o	2.9 is deprecated.		GBASE-T training.	ort the link partner's requ A value of one in this bit I zero."	was modified to uest SuggestedRemedy
to read: "Bit 7.32 for an o reserved	2.9 is deprecated. ptional periodic tr d for a 10GBASE	aining sequence for 10 -T PHY, and bit 7.32.9	OGBASE-T training. 9 should always read	A value of one in this bit I zero."	was modified to uest SuggestedRemedy is Change "10GB
to read: "Bit 7.32 for an o	2.9 is deprecated. ptional periodic tr d for a 10GBASE SC 45.5.3.9	aining sequence for 10 -T PHY, and bit 7.32.9 <i>P</i> 51	GBASE-T training.	A value of one in this bit	was modified to uest SuggestedRemedy is Change "10GB on page 58, line
to read: "Bit 7.32 for an o reserved C/ 45	2.9 is deprecated. ptional periodic tr d for a 10GBASE SC 45.5.3.9 a, Marek	aining sequence for 10 -T PHY, and bit 7.32.9 <i>P</i> 51	DGBASE-T training. Dishould always read <i>L</i> 6 House Networks	A value of one in this bit I zero."	was modified to uest SuggestedRemedy is Change "10GB on page 58, line Response ACCEPT.
to read: "Bit 7.32 for an o reserver <i>CI</i> 45 Hajduczenia <i>Comment T</i>	2.9 is deprecated. ptional periodic tr d for a 10GBASE <i>SC</i> 45.5.3.9 a, Marek <i>Type</i> E	aining sequence for 10 -T PHY, and bit 7.32.9 <i>P</i> 51 Bright F	DGBASE-T training. Dishould always read L 6 House Networks A	A value of one in this bit I zero."	was modified to uest SuggestedRemedy is Change "10GB on page 58, line Response ACCEPT.
to read: "Bit 7.32 for an o reserver <i>CI</i> 45 Hajduczenia <i>Comment T</i>	2.9 is deprecated. ptional periodic tri d for a 10GBASE SC 45.5.3.9 a, Marek <i>type</i> E ze inconsistency in	aining sequence for 10 -T PHY, and bit 7.32.9 <i>P</i> 51 Bright H <i>Comment Status</i>	DGBASE-T training. Dishould always read L 6 House Networks A	A value of one in this bit I zero."	was modified to uest SuggestedRemedy Change "10GB on page 58, line Response ACCEPT. EZ CI 80 SC 8
to read: "Bit 7.32 for an o reserved C/ 45 Hajduczenia Comment T Font siz SuggestedF	2.9 is deprecated. ptional periodic tri d for a 10GBASE SC 45.5.3.9 a, Marek <i>type</i> E ze inconsistency in	aining sequence for 10 -T PHY, and bit 7.32.9 <i>P</i> 51 Bright H <i>Comment Status</i> n Feature column for A	DGBASE-T training. Dishould always read L 6 House Networks A	A value of one in this bit I zero."	was modified to uest SuggestedRemedy Change "10GB on page 58, line Response ACCEPT. EZ C/ 80 SC 8 Hajduczenia, Marek
to read: "Bit 7.32 for an o reserved C/ 45 Hajduczenia Comment T Font siz SuggestedF	2.9 is deprecated. ptional periodic tri d for a 10GBASE SC 45.5.3.9 a, Marek Type E ze inconsistency in Remedy	aining sequence for 10 -T PHY, and bit 7.32.9 <i>P</i> 51 Bright H <i>Comment Status</i> n Feature column for A	DGBASE-T training. Dishould always read L 6 House Networks A M51	A value of one in this bit I zero."	was modified to uest SuggestedRemedy Change "10GB on page 58, line Response ACCEPT. EZ CI 80 SC 8 Hajduczenia, Marek Comment Type
to read: "Bit 7.3% for an o reserved CI 45 Hajduczenia Comment T Font siz SuggestedF Please	2.9 is deprecated. ptional periodic tri d for a 10GBASE SC 45.5.3.9 a, Marek Type E ze inconsistency in Remedy align font format a	aining sequence for 10 -T PHY, and bit 7.32.9 <i>P</i> 51 Bright H <i>Comment Status</i> n Feature column for A	DGBASE-T training. Dishould always read L 6 House Networks A M51	A value of one in this bit I zero."	was modified to uest SuggestedRemedy Change "10GB on page 58, line Response ACCEPT. EZ C/ 80 SC 8 Hajduczenia, Marek Comment Type The value of wh
to read: "Bit 7.3% for an o reserved Cl 45 Hajduczenia Comment T Font siz SuggestedF Please a Response	2.9 is deprecated. ptional periodic tri d for a 10GBASE SC 45.5.3.9 a, Marek Type E ze inconsistency in Remedy align font format a	aining sequence for 10 -T PHY, and bit 7.32.9 <i>P</i> 51 Bright H <i>Comment Status</i> n Feature column for A	DGBASE-T training. Dishould always read L 6 House Networks A M51	A value of one in this bit I zero."	was modified to uest SuggestedRemedy Change "10GB on page 58, line Response ACCEPT. EZ C/ 80 SC 8 Hajduczenia, Marek Comment Type The value of wh SuggestedRemedy Show changes

1 55 SC	55.3.4	P 5:	3	L 5	# 65	
ajduczenia, Mai	ek	Bright	Hous	se Networks		
omment Type	Е	Comment Status	Α			ΕZ
Editorial instr	uction not	precise enough.				

te text in 55.3.4 as shown:" to "Delete the second paragraph in 55.3.4 as shown

ructions on page 54, line 39, change "Change 55.3.5.3 as shown:" to "Change the n in 55.3.5.3 as shown below:"

Response	Response Status	С	
----------	-----------------	---	--

PRINCIPLE. See comments 28 & 29

CI 78	SC	78.5	P 58	L 3	# 66
Hajducze	nia, Mar	ek	Bright House	Networks	
Commen	t Type	Е	Comment Status A		EZ
		0	: "10GBASE-T PHY and 40GE		n Clause 45, similar text

to read "10GBASE-T and 40GBASE-T PHY"

v

BASE-T PHY and 40GBASE-T PHY" to "10GBASE-T and 40GBASE-T PHY" ne 3 and 5

Response ACCE		Response Status C		
C/ 80	SC 80.1.5	P 60	L 14	# 67
Hajduczer	nia, Marek	Bright House N	letworks	
Comment	Type ER	Comment Status R		Architecture
The v	alue of wholesale	e replacement of Table 80-2 is qu	uestionable.	

lv

s to existing Table 80-2 instead (new 40GBASE-T PCS/PMA, and new row for

Response Status W

ents have been accepted in D2p1 to make more extensive changes, including, mn for Clause 28 Auto negotiation, which was overlooked and requires all rows in listed.

C/ 80 SC 80.1.5 Hajduczenia, Marek	P 60 Bright House	L 45 Networks	# 68		C/ 113 Swanson, S	SC 113 Steve	3.7.2.3	P 164 Corning Incorp	L 16 porated	# 71
Comment Type E Note is not in correct	Comment Status A		Archite	ecture	Comment			Comment Status A		E
SuggestedRemedy Change "Note—" to "	NOTE-" and apply a correct style	e to it.			Suggested Chang	•	y from "	1<=f<=40" to "10<=f<=40"		
Response ACCEPT IN PRINCI Note to be deleted if c	Response Status C PLE. comment 7 is accepted, adding C	lause 28 to table	80-2		Response ACCE	PT.		Response Status C		
C/ 113 SC 5.3.4 Donahue, Curtis	<i>P</i> 155 UNH-IOL	L 27	# 69		C/ 113 Swanson, S	SC 113 Steve	3.7.1	P 162 Corning Incorp	L 45 porated	# 72
Comment Type E Figure 113-38 doesn'	Comment Status A 't seem to reflect the Upper PSD 50-12000 MHz the upper limit is c			<i>EZ</i>				Comment Status A ntain balanced cabling as mer	ntioned. (Table	E 113-1 is on page 91 and
SuggestedRemedy Re-draw Figure 113-3 in Eq (113-11) and (1 Response ACCEPT.	38 to accurately represent the Up 113-12). <i>Response Status</i> C	per PSD and Lov	wer PSD limits defin	ed	Chang	PT IN PRII e Table 11	3-1 on p	Response Status W age 163 to be next in sequer t table, and renumber remair		20), confirm cross
C/ 113 SC 5.3.4	<i>P</i> 154 UNH IOL	L 44	# 70		Cl 113 Swanson, S	SC 113 Steve	3.7.3.1	P 169 Corning Incorp	L 28 porated	# 73
	Comment Status A ansmitter PSD limits (113-11) or /Hz while the figure looks more lil		8) is wrong, the Upp	<i>EZ</i> Der		xt "When th EXT result	he comp	Comment Status A buted PSANEXT value at a car requency is for information of		
Make them agree, eith Response	Response Status C				Using PASS/	the formula FAIL criter	ia? If so	8, PSANEXT values below 46 9, it seems the formula 113-28 -2000MHz.		,
ACCEPT IN PRINCI	PLE. See comment 69				Chang PSAN freque	EXT result ncy is for ir	ne comp at that nformation	uted PSANEXT value at a ce		

C/ 113 SC 113.7.4.1 P 170 L 52 # 74 Swanson, Steve Corning Incorporated Corning Incorporat	C/ 01 SC 1.4.278a P 20 L 27 # 77 Zimmerman, George CME Consulting, Inc.
Comment Type T Comment Status A Cabling There is an inconsistency in the formulas 113-31 and 113-32	Comment Type E Comment Status A PMA/PM. The MultiGBASE-T PHYs do not have PMD sublayers.
SuggestedRemedy Parameter B in formula 113-32 is only defined up to 1000MHz but insertion loss using parameter B is defined from 1 to 2000 MHz in formula 113-31.	SuggestedRemedy Change "Ethernet PCS/PMA/PMDs" to "Ethernet PHYs" Alternatively "Ethernet PCS/PMAs"
Response Response Status C ACCEPT IN PRINCIPLE. See comment#116	Response Response Status C ACCEPT IN PRINCIPLE. Change to "Ethernet PCS/PMAs"
C/ 00 SC 0 P 20 L 20 # 75 Zimmerman, George CME Consulting, Inc.	C/ 01 SC 1.5 P 20 L 32 # 78 Zimmerman, George CME Consulting, Inc. Telephone Te
Editing instruction should not re-number clauses or definitions when inserted as an "a" heading number "Insert definition and re-number remaining definitions." (1.4.72a P20 L20, 1.4.278a P20, L25) "Insert new clause after 45.2.1.12.9 and re-number remaining clauses." (45.2.1.12.9a P34 L4, 45.2.3.7.5a P38 L38, 45.2.3.9.4a P39 L16, 45.2.7.10.41 P45 L3, 45.2.7.11.7a P47 L13, 45.2.7.13.4a P48 L16) SuggestedRemedy delete "and re-number remaining definitions" (2 instances, 1.4.72a P20 L20, 1.4.278a P20, L25) delete "and re-number remaining clauses" (6 instances, 45.2.1.12.9a P34 L4, 45.2.3.7.5a P38	Editorial note that 1.5 is a placeholder is no longer needed since there is now an abbreviation in the section. SuggestedRemedy Delete editor's note. (Lines 32-36) Response Response Response Status C ACCEPT. C/ 01 SC 1.5 P 20 L 37 # 79
L38, 45.2.3.9.4a P39 L16, 45.2.7.10.41 P45 L3, 45.2.7.11.7a P47 L13, 45.2.7.13.4a P48 L1) Response Response Status C	Zimmerman, George CME Consulting, Inc.
ACCEPT. (Dup of comment 34)	Comment Type ER Comment Status A E Editing instruction references definitions, should be abbreviations in Clause 1.5 E
C/ 01 SC 1.4.72a P 20 L 23 # 76 Zimmerman, George CME Consulting, Inc. CME Consulting, Inc. CME Consulting, Inc.	SuggestedRemedy Change "Insert the following new definitions into the definitions list, in alphanumeric order:" to "Insert the following new abbreviations into the abbreviations list, in alphanumeric order:"
Comment Type E Comment Status A Cabling References to category 8, Class I and Class II are incomplete and imprecise. SuggestedRemedy Change "category 8, Class I, or Class II balanced copper cabling." to Comment Status	Response Response Status C ACCEPT.
"TIA category 8, ISO/IEC Class I, or ISO/IEC Class II balanced copper cabling." Response Response Status C	

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

C/ 113 SC 113.3.6.2.4 P 113 L 19 # 80	C/ 113 SC 113.5. P 157 L 29 # 81
Zimmerman, George CME Consulting, Inc.	Zimmerman, George CME Consulting, Inc.
Comment Type T Comment Status A PCS text incorrectly describes valid 10G control codes, not 40G, and includes invalid two ordered PCS	Comment Type E Comment Status A Ez Extraneous "bb" at end of line.
set block types, and invalid 40G use of 0x4B block code (one ordered set with 4 control characters), and describes S as being able to occur on fifth position (invalid block types 0x33, 0x66):	SuggestedRemedy delete "bb" after period on line 29.
 "C; The vector contains one of the following: a) eight valid control characters other than /O/, /S/, /T/, /E/, and /LI/; b) one valid ordered set and four valid control characters other than /O/, /S/ and /T/; c) two valid ordered sets. 	Response Response Status C ACCEPT. (Dup of 14)
\hat{S} ; The vector contains an /S/ in its first or fifth character, any characters before the S character are valid control characters other than /O/, /S/ and /T/ or form a valid ordered set, and all	C/ 113 SC 113.7.4 P 170 L 26 # 82 Zimmerman, George CME Consulting, Inc. Employed Employed </td
characters following the /S/ are data characters."	Comment Type ER Comment Status A Short React
Also, on lines 40-42: "A valid ordered set consists of a valid /O/ character in the first or fifth characters and data characters in the three characters following the /O/." Note - these will have to be added back in if 25GBASE-T is added, but need language separating out their 40G use from their 25G use. <i>SuggestedRemedy</i> Under value "C": (line 21) replace item (b) with "b) one valid ordered set followed by four data bytes and zeros as shown in Figure 82-4 for block code 0x4B." (line 22) delete item (c): "c) two valid ordered sets." Under value "S": (line 23), delete "or fifth" to read, "The vector contains an /S/ in its first character,"	 These two paragraphs belong in the PMA section, not in the link segment specifications as it is a test and mode of PMA performance, similar to that in 113.5.4.1 or 113.5.4.4: "In short reach mode (indicating operation over a short reach link segment) while receiving data from a transmitter compliant with specifications in 113.5.3 (whether or not in short reach mode), through a short reach link segment meeting the requirements of 113.7.4, a receiver shall operate with a frame error ratio less than 9.6 x 10^10 for 800 octet frames with minimum IPG or greater than 799 octet IPG (e.g., operate with a BER less than 10^12). The PHY short reach register setting 1.131.0 indicates whether the PHY is operating in the short reach mode." SuggestedRemedy Delete the two paragraphs (lines 26 - 33) from 113.7.4 with the following text (the same two paragraphs in encode)
On lines 40-42, delete "or fifth" and change "characters" to "character" to read, "A valid ordered set consists of a valid /O/ character in the first character and data characters in the three characters following the /O/."	paragraphs, just reversed in order): "The PHY short reach register setting 1.131.0 indicates whether the PHY is operating in the short reach mode. In short reach mode (indicating operation over a short reach link segment) while receiving data (segment is a last of the short reach link segment) while receiving data
Response Response Status C ACCEPT.	from a transmitter compliant with specifications in 113.5.3 (whether or not in short reach mode), through a short reach link segment meeting the requirements of 113.7.4, a receiver shall operate with a frame error ratio less than 9.6 x 10^10 for 800 octet frames with minimum IPG or greater than 799 octet IPG (e.g., operate with a BER less than 10^12)."
	Response Response Status C
	ACCEPT.

Cl 113 SC 113.7.5 Zimmerman, George	P 176 CME Consultin	L 9 ng, Inc.	# 83		C/ 113 SC Zimmerman, Ge	C 113.3.4 orge		° 105 E Consulting	L 1 g, Inc.	# 86	
Comment Type E typo "cstalk" should be '	Comment Status A	d up on line 12	where it shouldn't be	EZ e.	Comment Type Frame versi	E on of Figure	<i>Comment Statu</i> 113-14 is now avai		02.3bz D0p1, w	ithout strikeout.	E
SuggestedRemedy					SuggestedReme	edy					
line 9: replace "cstalk" v line 12: delete "ros"	<i>i</i> ith "crosstalk"				Replace Fig Delete edito		with frame version f	rom 802.3b	z D0p1 without	strikeout marks.	
Response ACCEPT. (Dup of 16)	Response Status C				Response ACCEPT.		Response Status	s C			
C/ 113 SC 113.8.2.2 Zimmerman, George	P 234 CME Consultin	L 51 ng, Inc.	# 84		C/ 113 SC Zimmerman, Ge	113.3.6.2. orge		' 109 E Consulting	L 53 g, Inc.	# 87	
							o				
Editor's note has done it	Comment Status A ts job of attracting notice.		Editorial - N	Not EZ	Comment Type description of 111 line 45	_	<i>Comment Statu</i> interval of 125usec)		t with definition	of lfer_timer on p	
Editor's note has done in SuggestedRemedy			Editorial - N	Not EZ	description	of lfer_timer (125/4 usec)	interval of 125usec		at with definition	of lfer_timer on p	
Editor's note has done it			Editorial - N	Not EZ	description of 111 line 45 f SuggestedReme Delete "(non (so that lfer_	of Ifer_timer (125/4 usec) edy ninally 125 u _timer definit	interval of 125usec	inconsisten indicating a	ı bit error ratio > single, controllir	 10^-4)" ng reference).	age
Editor's note has done it SuggestedRemedy Delete editor's note. Response	ts job of attracting notice.	<i>L</i> 4 ng, Inc.	Editorial - N # <u>85</u>	Not EZ	description of 111 line 45 f SuggestedReme Delete "(non (so that lfer_	of Ifer_timer (125/4 usec) edy ninally 125 u _timer definit	interval of 125usec) us for 40GBASE-T, tion on page 111 be	inconsisten indicating a comes the s 7.2 P 113, L	ı bit error ratio > single, controllir	 10^-4)" ng reference).	5
Editor's note has done it SuggestedRemedy Delete editor's note. Response ACCEPT. C/ 113 SC 113.1.1 Zimmerman, George	ts job of attracting notice. Response Status C			Not EZ	description of 111 line 45 (SuggestedReme Delete "(non (so that lfer_ also, delete Response ACCEPT.	of Ifer_timer (125/4 usec) edy ninally 125 u _timer definit	interval of 125usec) us for 40GBASE-T, tion on page 111 be reference on 113.3. <i>Response Status</i>	inconsisten indicating a comes the s 7.2 P 113, L	ı bit error ratio > single, controllir	 10^-4)" ng reference).	age
Editor's note has done it SuggestedRemedy Delete editor's note. Response ACCEPT. Cl 113 SC 113.1.1 Zimmerman, George Comment Type E Figure 113-1 references	Response Status C P 66 CME Consultin Comment Status A s CSMA/CD, align with IEEE St	ng, Inc. td. 802.3bx D3p	# <u>85</u> 01, Replace "LAN		description of 111 line 45 (SuggestedReme Delete "(non (so that lfer_ also, delete Response ACCEPT.	of Ifer_timer (125/4 usec) edy ninally 125 u timer definit descriptive r	interval of 125usec) us for 40GBASE-T, tion on page 111 be reference on 113.3. <i>Response Status</i>	inconsisten indicating a ecomes the s 7.2 P 113, L s C	bit error ratio > single, controllir .34 "(nominally <i>L</i> 39	10^4)" ng reference). 125/4 is for 40GB	age
Editor's note has done it SuggestedRemedy Delete editor's note. Response ACCEPT. Cl 113 SC 113.1.1 Zimmerman, George Comment Type E Figure 113-1 references	ts job of attracting notice. <i>Response Status</i> C <i>P</i> 66 CME Consultin <i>Comment Status</i> A	ng, Inc. td. 802.3bx D3p	# <u>85</u> 01, Replace "LAN		description of 111 line 45 of SuggestedReme Delete "(non (so that lfer_ also, delete Response ACCEPT. Cl 113 Sc	of Ifer_timer (125/4 usec) edy ninally 125 u timer definit descriptive r	interval of 125usec) us for 40GBASE-T, tion on page 111 be reference on 113.3. <i>Response Status</i>	inconsisten indicating a comes the s 7.2 P 113, L s C P 159 E Consulting	bit error ratio > single, controllir .34 "(nominally <i>L</i> 39		age
Editor's note has done it SuggestedRemedy Delete editor's note. Response ACCEPT. Cl 113 SC 113.1.1 Zimmerman, George Comment Type E Figure 113-1 references CSMA/CD" with "ETHE SuggestedRemedy Replace "LAN CSMA/C	ts job of attracting notice. Response Status C P 66 CME Consultin Comment Status A s CSMA/CD, align with IEEE St RNET" in upper part of figure, 1 D LAYERS" with "ETHERNET	id. 802.3bx D3p and in figure title	# 85 01, Replace "LAN le on line 30.		description of 111 line 45 (SuggestedReme Delete "(non (so that lfer_ also, delete Response ACCEPT. Cl 113 SC Zimmerman, Ge Comment Type Table 113-1	of Ifer_timer (125/4 usec) ady ninally 125 u timer definit descriptive r C 113.6.1.2 orge T 8: short read	interval of 125usec) us for 40GBASE-T, tion on page 111 be reference on 113.3. <i>Response Status</i> <i>P</i> CMI	inconsisten indicating a comes the s 7.2 P 113, L s C P 159 E Consulting IS A	bit error ratio > single, controllir .34 "(nominally <i>L</i> 39 g, Inc.		age BASET
Editor's note has done in SuggestedRemedy Delete editor's note. Response ACCEPT. Cl 113 SC 113.1.1 Zimmerman, George Comment Type E Figure 113-1 references CSMA/CD" with "ETHE SuggestedRemedy Replace "LAN CSMA/CD LA	ts job of attracting notice. <i>Response Status</i> C <i>P</i> 66 CME Consultin <i>Comment Status</i> A 5 CSMA/CD, align with IEEE St RNET" in upper part of figure, i D LAYERS" with "ETHERNET N" with "Ethernet" in figure title	id. 802.3bx D3p and in figure title	# 85 01, Replace "LAN le on line 30.		description of 111 line 45 (SuggestedReme Delete "(non (so that lfer_ also, delete Response ACCEPT. Cl 113 SC Zimmerman, Ge Comment Type Table 113-1	of Ifer_timer (125/4 usec) ady ninally 125 u timer definit descriptive r C 113.6.1.2 orge T 8: short reac ree with clau	interval of 125usec) us for 40GBASE-T, tion on page 111 be reference on 113.3. <i>Response Status</i> <i>Response Status</i> <i>P</i> CMI <i>Comment Statu</i> ch mode bit in autor	inconsisten indicating a comes the s 7.2 P 113, L s C P 159 E Consulting IS A	bit error ratio > single, controllir .34 "(nominally <i>L</i> 39 g, Inc.		age BASET
Editor's note has done in SuggestedRemedy Delete editor's note. Response ACCEPT. C/ 113 SC 113.1.1 Zimmerman, George Comment Type E Figure 113-1 references CSMA/CD" with "ETHE SuggestedRemedy Replace "LAN CSMA/C	ts job of attracting notice. Response Status C P 66 CME Consultin Comment Status A s CSMA/CD, align with IEEE St RNET" in upper part of figure, 1 D LAYERS" with "ETHERNET	id. 802.3bx D3p and in figure title	# 85 01, Replace "LAN le on line 30.		description of 111 line 45 of SuggestedReme Delete "(non (so that lfer_ also, delete Response ACCEPT. C/ 113 SC Zimmerman, Ge Comment Type Table 113-1 currently ag SuggestedReme	of Ifer_timer (125/4 usec) ady ninally 125 u timer definit descriptive r C 113.6.1.2 orge T 8: short read ree with clau ady	interval of 125usec) us for 40GBASE-T, tion on page 111 be reference on 113.3. <i>Response Status</i> <i>Response Status</i> <i>P</i> CMI <i>Comment Statu</i> ch mode bit in autor	inconsisten indicating a ecomes the s 7.2 P 113, L s C P 159 E Consulting as A neg page ne	bit error ratio > single, controllir .34 "(nominally <i>L</i> 39 g, Inc. eds extension t	10~4)" ng reference). 125/4 is for 40GB # <u>88</u> <i>Shor</i> o 40G, and doesn	age BASET

C/ 113 SC	2 113.3.2.2	.11	P 91	L 42	# 89	C/ 113	SC 113.3.6	.2.1	P 109	L 23	# 92
Zimmerman, Geo			CME Consulti			Zimmerma			CME Consult	-	
Comment Type	TR	Comment S		<u>,</u>	PC		, 0	Comment		3,	
For 40Gb/s s implicitly end Similarly for "Block type f Note this will added SuggestedReme	start charac code an /S/ i ordered set iield values i I need to be	as the fifth or fir s on page 92, lin implicitly encode augmented to o	st character of hes 6 & 7 (113 e an /O/ as the differentiate 250	the block." 3.2.2.13) first or fifth char G and 40G opera	"Block type field values acter of the block." ation if 25GBASE-T is Gb/s transmission.	40 Gb there of stated (Line 2 Fault of (Line 2 frame (Line 4	/s ordered sets can only be one 23, LBLOCK_R ordered sets." 26, LBLOCK_T containing two	 local fault or link 72 bit vector to 65 bit vector to Local Fault orde 	be sent to the be sent to the be sent to the red sets."	dered set in an X XLGMII interfact 512B/513B trans	Indary in XLGMII, hen LGMII word, not two a e containing two Local scoder and block-LDP ing two Link Interruptio
				rst character of t		Note -	these will need	l to be augmented	d if 25G is adde	ed to have both u	sages (two and one se
and similarly	in 112 2 2	.2.13 (P92 L6-7	١			Suggested					
"For 40 Gb/s of the block."	s transmissi	on, block type fi	eld values imp	licitly encode an	/O/ as the first character	chang	e "two" to "a" in ining a Local Fa	lines 23, 26 and ault ordered set"			as: .ink Interruption ordere
Response		Response S	tatus C			Response	,	Response S	Status C		
ACCEPT.						ACCE		Responses			
C/ 113 SC	C 113		P 96	L 5	# 90						
Zimmerman, Geo	orge		CME Consulti	ng, Inc.							
descriptive te	ext:		e comes mid-s		E ing equations from n equation 113-1)	Z					
SuggestedReme delete . after	•	otnote. Move Fig	gure 113-11 sc	it does not disru	pt sentence flow.						
Response ACCEPT.		Response S	tatus C								
C/ 113 SC Zimmerman, Geo	113.3.2.2 orge		P 97 CME Consulti	L 3 ng, Inc.	# 91						
Comment Type IEEE style m	E nanual - spe	Comment S Il out isolated n		an ten.	Ε	Z					
SuggestedReme replace "2 ra		ts" with "two ran	dom fill bits"								
Response ACCEPT.		Response S	tatus C								

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

C/ 113 SC 113.3.6.2.4 P 112	L 37	# 93	C/ 113A	SC 113A.3	P 201	L 16	# 94
immerman, George CME Consulting,	, Inc.		Zimmermar	n, George	CME Consul	ting, Inc.	
Comment Type T Comment Status A		PCS	Comment T	Туре Т	Comment Status A		Clamp tes
Text incorrectly describes valid 10G control codes, not 40 0x33, and 0x66 invalid 40G block types, and invalid 40G characters:				ultiple PHYs. E	test configurations and methor xamples of the references for		
 line 34: "C; The vector contains a data/ctrl header of 1 and one of a) A block type field of 0x1E and eight valid control charace b) A block type field of 0x2D or 0x4B, a valid O code, and c) A block type field of 0x55 and two valid O codes. S; The vector contains a data/ctrl header of 1 and one of a) A block type field of 0x33 and four valid control charace b) A block type field of 0x66 and a valid O code; c) A block type field of 0x78." Note - these will have to be added back in if 25GBASE-T separating out their 40G use from their 25G use. 	acters other than d four valid contro the following: ters;	ol characters;	P201 L cabling 113.7 f In 113/ P202 L is conn should "An up the PH	16: Change "us that meets the or 40GBASE-T A.4: .48: Change "Ar be terminated of to the maximun Y under test, e.e	es cabling that meets the requirequirements of the link segm." " " up to 30-meters of cabling th two 40GBASE-T PHYs and in on each end with an MDI connor n specified length of cabling th g., Clause 113.7 for 40GBASE able clamp. The cable should l	at meets the SPHY ur at meets the spec serted into the cal actor plug specifie at meets the link s E-T, is connected	ification of Clause 113.7 ble clamp. The cable id in Clause 113.8.1." to segment specification for between two such PHYs
uggestedRemedy					ed for the MDI of the PHY und		
Under "C" (line 37)			1.				
Replace item b - "b) A block type field of 0x2D or 0x4B, a	a valid O code, ar	nd four valid control	P202 L	.53 - replace "40	GBASE-T" with "PHY"		
characters;" with "b) A block type field of 0x4B, a valid O code, and zeros, delete line 39, item "c" (block type field of 0x55)	as shown in Figu	ıre 82-4."		PT IN PRINCIP	Response Status C LE. ed text in 8023-113a_cibula_a	_r1.pdf for annex	113A.
Under "S" (line 40): delete items (a) & (b) (lines 40 & 41) and relabel (c) as (a	a) to read:		C/ 45	SC 45.2.1	P 31	L 22	# 95
"S; The vector contains a data/ctrl header of 1 and one of			Zimmermar	n, George	CME Consul	ting, Inc.	
a) A block type field of 0x78."			Comment T	Type ER	Comment Status A		Multi
ACCEPT. Response Status C			margin subcla need th	, and RX Signal uses (subclause ne change to Mu	nes for Register 1.133 througl power registers) do not agree s 45.2.1.66 through 45.2.1.77 ItiG). e base standard and the revisi	with names of reg do not include "1	gisters in referenced
			Suggested	Remedy			
			Change the nar	e names for Reg me, as is in the b	gisters 1.133 through 1.144 in base standard for the subclaus these names in 802.3bq.		
			Response		Response Status C		
				gisters in questi	on could be used by more bac onitoring capabilities.	kplane and optical	PHYs as they develop

	SC 45.5.3.7	P 50	L 10	# 96		C 45.2.1.64	P 34	L 50	# 99
Zimmerman, G	eorge	CME Consultin	g, Inc.		Zimmerman, Ge	eorge	CME Consultin	ng, Inc.	
Comment Type PICS RM1 "operating	15 should not i	Comment Status A nclude 40GBASE-T as an exce	eption case, sind	<i>Editorial - Not EZ</i> ce it already says	Comment Type type - 10/40		Comment Status A		EZ
					SuggestedRem	2			
SuggestedRem		to RM15, to insert "or 40GBAS	2E T"		Replace 10	G/40BASE-T	with 10/40GBASE-T.		
	poseu change		5E-1		Response		Response Status C		
Response ACCEPT.		Response Status C			Replace 10		: with MultiGBASE-T in the title erences to this register's name		and editor to search for
	SC 45.5.3.7	P 50	L 13	# 97	CI 45 S	C 45.5.3.7	P 50	L 43	# 100
Zimmerman, G	ieorge	CME Consultin	g, Inc.						# 100
Comment Type	e TR	Comment Status A		Editorial - Not EZ	Zimmerman, Ge	-	CME Consultir	ig, inc.	
	PICS RM16 ii)GBASE-T.	ncorrectly and inadvertently ext	ends it to all 400	Gb/s PHYs and yet		ge of MultiGB	Comment Status A ASE-T is awkward, making it not support ANY MultiGBASE		<i>MultiG</i> BASE-T" is a single
SuggestedRem	nedy					0		- 1	
Delete prop	posed change	s to PICS RM16 to insert 40 G	b/s and to exclu	de 40GBASE-T.	SuggestedRem	,			
Response ACCEPT.		Response Status C			"Reads fror	n BASE-R ar	MultiGBASE-T" to read: Id MultiGBASE-T PCS status BASE-R or any MultiGBASE-T		a zero for PCS that does
				"	Response		Response Status C		
Cl 45 S Zimmerman, Ge	SC 45.2.3.9 George	<i>P</i> 39 CME Consultin	L 6 g, Inc.	# 98	ACCEPT.		-		
Comment Type	e ER	Comment Status A		EZ	CI 45 S	C 45.2.1.6	P 32	L 14	# 101
Соптинени туре					Zimmerman, Ge	eorae	CME Consultir	na Inc.	
51	25 title does n	ot match register name in clau	se nor in title of	table in 802.3bx D3p1				.g,	
Table 45-1		ot match register name in clau	se nor in title of	table in 802.3bx D3p1	Comment Type	0	Comment Status A	.9,	PMA/PMD
Table 45-1 SuggestedRem Change title	nedy le to match 80	ot match register name in clau 2.3bx D3p1 & clause header: ble title reads: "EEE control an			Comment Type Table 45-7	E incorrectly lis		hould be simply	PMA, as 40GBASE-T
Table 45-1: SuggestedRem Change title Insert "cont	nedy le to match 80	2.3bx D3p1 & clause header:			Comment Type Table 45-7	E incorrectly lis ave a PMD (10	Comment Status A ts 40GBASE-T PMA/PMD SI	hould be simply	PMA, as 40GBASE-T
Table 45-1 SuggestedRem Change title	nedy le to match 80	2.3bx D3p1 & clause header: ble title reads: "EEE control an			Comment Type Table 45-7 does not ha SuggestedRem	E incorrectly lis ive a PMD (10 redy	Comment Status A ts 40GBASE-T PMA/PMD SI	hould be simply ne table as just F	PMA, as 40GBASE-T PMA)

C/ 45 SC 45.2.1. Zimmerman, George		9 34 E Consulti	L 8 ing, Inc.	# 102	Cl 78 Zimmermar	SC 78.5 n, George	(P 58 CME Consuli	<i>L</i> 9 ting, Inc.	# 105	
Comment Type E text incorrectly calls c	Comment State			PMA/PMD	Comment T Table 7	51	Comment S -4 in IEEE P802.3				EZ
SuggestedRemedy					Suggested	,					
Change lines 8 and 1	1 (2 instances), deleti	ng "/PMD"	to read "40GBA	SE-T PMA type"	Change	e editing instruct	tion and table title	from Table	78-5 to Table 78-4	4.	
Response ACCEPT.	Response Statu	s C			Response ACCEI	PT.	Response St	tatus C			
CI 55 SC 55.3.5.	3 <i>H</i>	° 54	L 45	# 103	CI 80	SC 80.1.3		P 59	L 28	# 106	
Zimmerman, George	CM	E Consulti	ing, Inc.		Zimmermar	n, George	(CME Consul	ting, Inc.		
Comment Type ER	Comment Stat	ıs A		10G Maintenance	Comment T	Гуре Е	Comment S	tatus A		PM	1A/PMD
Strikeout inadvernent reference to periodic SuggestedRemedy		1 0			Also in	otive text at line 5 Figure 81-1	50 in 80.1.4,				
reference to periodic SuggestedRemedy Reinstate sentence: " shall be used during s striking out "without p	reinitialization. The training sequenc the LPI mode, with the veridic reinitialization".	e without pe	eriodic reinitializa	ation described in 55.3.4 om PCS Reset." ,	Also in <i>Suggested</i> Delete delete	Figure 81-1 R <i>emedy</i> PMD from 40GB	BASE-T stack in um Dependent (F	PMD) sublaye	and 81-1 er" from line 50 (8	0.1.4)	
reference to periodic SuggestedRemedy Reinstate sentence: " shall be used during	reinitialization. The training sequenc the LPI mode, with the	e without pe	eriodic reinitializa		Also in <i>Suggestedi</i> Delete	Figure 81-1 R <i>emedy</i> PMD from 40GE ', Physical Medir	BASE-T stack in	PMD) sublaye		0.1.4)	
reference to periodic SuggestedRemedy Reinstate sentence: " shall be used during s striking out "without p Response ACCEPT. Cl 55 SC 55.3.4	reinitialization. The training sequenc the LPI mode, with the veridic reinitialization". <i>Response Statu</i>	e without pe	eriodic reinitializa rs free-running fre L 18		Also in Suggested Delete delete Response	Figure 81-1 Remedy PMD from 40GE ', Physical Media PT. SC 80.1.5	BASE-T stack in um Dependent (F <i>Response St</i>	PMD) sublaye	er" from line 50 (8 <i>L</i> 17	0.1.4) # <u>107</u>	
reference to periodic SuggestedRemedy Reinstate sentence: " shall be used during " striking out "without p Response ACCEPT. Cl 55 SC 55.3.4 Zimmerman, George	reinitialization. The training sequenc the LPI mode, with the veridic reinitialization". <i>Response Statu</i>	e without pe scrambler s C 253 E Consulti	eriodic reinitializa rs free-running fre L 18	om PCS Reset." ,	Also in Suggested Delete delete Response ACCEI	Figure 81-1 Remedy PMD from 40GE ', Physical Media PT. SC 80.1.5 n, George	BASE-T stack in um Dependent (F <i>Response St</i>	PMD) sublaye tatus C P 60 CME Consult	er" from line 50 (8 <i>L</i> 17	# 107	hitecture
reference to periodic SuggestedRemedy Reinstate sentence: " shall be used during f striking out "without p Response ACCEPT. CI 55 SC 55.3.4 Zimmerman, George Comment Type E A frame-drawn figure	reinitialization. The training sequenc the LPI mode, with the veridic reinitialization". <i>Response Statu</i> <i>Response Statu</i> <i>Response Statu</i> <i>Response Statu</i>	e without pe scrambler s C 253 E Consultin s A	eriodic reinitializa rs free-running fre <i>L</i> 18 ing, Inc.	om PCS Reset." , # 104 <i>EZ</i>	Also in Suggested, Delete delete Response ACCEI C/ 80 Zimmermar Comment	Figure 81-1 Remedy PMD from 40GE ', Physical Media PT. SC 80.1.5 n, George Type TR	BASE-T stack in um Dependent (F <i>Response St</i> Comment S	PMD) sublaye tatus C P 60 CME Consult tatus A	er" from line 50 (8 <i>L</i> 17 ting, Inc.	# 107	nitecture
reference to periodic SuggestedRemedy Reinstate sentence: " shall be used during " striking out "without p Response ACCEPT. CI 55 SC 55.3.4 Zimmerman, George Comment Type E A frame-drawn figure editors note.	reinitialization. The training sequenc the LPI mode, with the veridic reinitialization". <i>Response Statu</i> <i>Response Statu</i> <i>Response Statu</i> <i>Response Statu</i>	e without pe scrambler s C 253 E Consultin s A	eriodic reinitializa rs free-running fre <i>L</i> 18 ing, Inc.	om PCS Reset." , # 104 <i>EZ</i>	Also in Suggested, Delete delete Response ACCEI C/ 80 Zimmermar Comment	Figure 81-1 Remedy PMD from 40GE ', Physical Media PT. SC 80.1.5 n, George Type TR 80-2 shows 40G	BASE-T stack in um Dependent (F <i>Response St</i> Comment S	PMD) sublaye tatus C P 60 CME Consult tatus A	er" from line 50 (8 <i>L</i> 17 ting, Inc.	# 1 <u>107</u>	nitecture
reference to periodic SuggestedRemedy Reinstate sentence: " shall be used during " striking out "without p Response ACCEPT. Cl 55 SC 55.3.4 Zimmerman, George Comment Type E A frame-drawn figure editors note.	reinitialization. The training sequence the LPI mode, with the veridic reinitialization". <i>Response Statu</i> <i>Response Statu</i> <i>Comment Statu</i> (see P802.3bz D0p1	e without pe scrambler s C 253 E Consultin <i>I</i> s A Figure 126	eriodic reinitializa rs free-running fre <i>L</i> 18 ing, Inc. 6-11) is now avai	om PCS Reset." , # 104 <i>EZ</i>	Also in Suggested Delete delete Response ACCEI C/ 80 Zimmermar Comment T Table 8 Suggested Add co from co	Figure 81-1 Remedy PMD from 40GE ', Physical Media PT. SC 80.1.5 n, George Type TR 30-2 shows 40G Remedy Jumn for Clause	BASE-T stack in um Dependent (F <i>Response St</i> <i>Comment S</i> BASE-T using C 28 Auto-negotiat 73 Auto-negotiat	PMD) sublaye tatus C P60 CME Consult tatus A lause 73 Aut	<i>L</i> 17 <i>L</i> 17 ting, Inc. o-negotiation, shc 80-2, Delete "M" i	# 1 <u>107</u>	SE-T
reference to periodic SuggestedRemedy Reinstate sentence: " shall be used during " striking out "without p Response ACCEPT. CI 55 SC 55.3.4 Zimmerman, George Comment Type E A frame-drawn figure editors note. SuggestedRemedy Insert frame figure from	reinitialization. The training sequence the LPI mode, with the veridic reinitialization". <i>Response Statu</i> <i>Response Statu</i> <i>Comment Statu</i> (see P802.3bz D0p1	e without pe scrambler s C 253 E Consultin s A Figure 126-1	eriodic reinitializa rs free-running fre <i>L</i> 18 ing, Inc. 6-11) is now avai	om PCS Reset." , # 104 <i>EZ</i>	Also in Suggested Delete delete Response ACCEI C/ 80 Zimmermar Comment T Table 8 Suggested Add co from co	Figure 81-1 <i>Remedy</i> PMD from 40GE ', Physical Media PT. <i>SC</i> 80.1.5 n, George <i>Type</i> TR 80-2 shows 40G <i>Remedy</i> Jumn for Clause plumn for Clause	BASE-T stack in um Dependent (F <i>Response St</i> <i>Comment S</i> BASE-T using C 28 Auto-negotiat 73 Auto-negotiat	PMD) sublaye tatus C P 60 CME Consult tatus A tause 73 Auto tion to Table tition, Add "M	<i>L</i> 17 <i>L</i> 17 ting, Inc. o-negotiation, shc 80-2, Delete "M" i	# <u>107</u> Arch buld be Clause 28 in row for 40GBAS	SE-T

C/ 80 SC 80.1.5	P 60	L 39	# 108	C/ 113 SC 113.	543	P 156	L 17	# 111
Zimmerman, George	CME Consulting		# 100	Moffitt, Bryan		CommScope		π 111
Comment Type T	Comment Status A	g, mo.	Architecture	Comment Type T	Co	mment Status D		Clamp Tes
Table 80-2 should show	mandatory RS for 40GBASE-T text in Clause 113 (see page 66			Splitting some tech	nical detail b n is availabl	between this clause an e suggesting a change		ates confusion, and new ol. Change the paragraph
,	Γ in RS column, add "O" for Cla	ause 82 PCS in 4	40GBASE-T row	SuggestedRemedy				
Response ACCEPT IN PRINCIPLE	replace with: An 80 MHz to 2000 MHz test can be made using the cable clamp described in Annex 113A, 3 meter plug-terminated cabling that meets the requirements of 113.7, suitable broadband ferrites, and a common ground reference plane for this test equipment and the equipment							
C/ 99 SC Zimmerman, George	P 19 CME Consulting	L 46 a. Inc.	# 109			ive that is stepped acr ignetic field and corres		quency range is used to current.
Comment Type E	Comment Status A	<u>g</u> ,	EZ	Proposed Response	Res	ponse Status Z		
Include parallel projects	IEEE P802.3bs, IEEE P802.3b	by and IEEE P8	02.3bz in note.	REJECT.				
SuggestedRemedy	IEEE P802.3bs, IEEE P802.3b IEEE P802.3bs, IEEE P802.3b				WITHDRA	WN by the commenter	r.	
SuggestedRemedy Include parallel projects						WN by the commenter P 201 CommScope	L 5	# [112
SuggestedRemedy Include parallel projects Response ACCEPT. C/ 113A SC 113A	IEEE P802.3bs, IEEE P802.3b			This comment was	.1 Cor	P 201	L 5	# <u>112</u> Clamp tes
SuggestedRemedy Include parallel projects Response ACCEPT. C/ 113A SC 113A Moffitt, Bryan Comment Type E There are now several di of them.	IEEE P802.3bs, IEEE P802.3b Response Status C P 199	by and IEEE P80	02.3bz in note. # <u>110</u> <i>Clamp test</i>	This comment was <i>Cl</i> 113A <i>SC</i> 113<i>I</i> Moffitt, Bryan <i>Comment Type</i> T Clamp data needs <i>SuggestedRemedy</i> The electrical para installed cabling ar a) Insertion loss: <	L.1 Cor updating. neters of the e as follows: 3 dB below	P 201 CommScope mment Status A e clamp measured beth 1000 MHz and < 25 dl	L 5 ween the source B below 2000MH	Clamp test
SuggestedRemedy Include parallel projects Response ACCEPT. Cl 113A SC 113A Moffitt, Bryan Comment Type E There are now several di of them. SuggestedRemedy change line to:	IEEE P802.3bs, IEEE P802.3t <i>Response Status</i> C <i>P</i> 199 CommScope <i>Comment Status</i> A ifferent versions of cable clamp n example of a cable clamp and	by and IEEE P84	02.3bz in note. # 110 <i>Clamp test</i> shown only apply to one	This comment was <i>Cl</i> 113A <i>SC</i> 113<i>I</i> Moffitt, Bryan <i>Comment Type</i> T Clamp data needs <i>SuggestedRemedy</i> The electrical para installed cabling ar a) Insertion loss: <	L.1 Cor updating. meters of the e as follows: 3 dB below dB below 10 <i>Res</i>	P 201 CommScope mment Status A	L 5 ween the source B below 2000MH	Clamp test
SuggestedRemedy Include parallel projects Response ACCEPT. Cl 113A SC 113A Moffitt, Bryan Comment Type E There are now several di of them. SuggestedRemedy change line to: This annex describes an	IEEE P802.3bs, IEEE P802.3t <i>Response Status</i> C <i>P</i> 199 CommScope <i>Comment Status</i> A ifferent versions of cable clamp n example of a cable clamp and	by and IEEE P84	02.3bz in note. # 110 <i>Clamp test</i> shown only apply to one	This comment was Cl 113A SC 113A Moffitt, Bryan Comment Type T Clamp data needs SuggestedRemedy The electrical para installed cabling ar a) Insertion loss: < 3 Response	L.1 Cor updating. meters of the e as follows: 3 dB below dB below 10 <i>Res</i>	<i>P</i> 201 CommScope <i>mment Status</i> A e clamp measured bett 1000 MHz and < 25 dl 000 MHz and > 1 dB b	L 5 ween the source B below 2000MH	Clamp test

C/ 113A SC 113A.3 Moffitt, Bryan	P 201 CommScope	L 11	# 113	C/ 113 SC 113.7.4. Shariff, Masood	1 P 170 CommScope	L 50	# 116
	Comment Status A d 113A.4 Test Setup should be dditional instructions for testing			upper frequency range SuggestedRemedy Change the upper free	uency from 1000 to 2000 MHz		<i>Cabling</i> ad of 0.00065 x f in the
Response ACCEPT IN PRINCIPLE See comment 94	Response Status C			Also for the range 500 0.00649 x sqrt(f) + 0.0 <i>Response</i>	< f <= 2000 the formula should be 000605 x f <i>Response Status</i> C	e	
SuggestedRemedy	P 173 CommScope Comment Status A the wrong length adjustment te		# <u>114</u> <i>Cabling</i> -1 draft 3.12	ACCEPT. <i>CI</i> 99 SC Marris, Arthur <i>Comment Type</i> E make XLGMII non-bre <i>SuggestedRemedy</i>	P 2 Cadence Design <i>Comment Status</i> A aking	L 6 Syste	# <u>117</u> EZ
Response ACCEPT. C/ 113 SC 113.7.4.3.5	Response Status C	L 10	# 115	make XLGMII non-bre Response ACCEPT.	aking Response Status C		
Shariff, Masood Comment Type T Equation 113-39 is using SuggestedRemedy	CommScope Comment Status A the wrong length correction ter	m	Cabling	Cl 45 SC 45.2.1.6 Marris, Arthur Comment Type T	Cadence Design	5	# [<u>118</u> <i>EZ</i>
<u> </u>	n the equation to harmonize wit <i>Response Status</i> C	h TIA-568-C.2	-1 draft 3.12	SuggestedRemedy	SE-T PMA/PMD" needs to be und = 40GBASE-T PMA/PMD" <i>Response Status</i> C	eriined becau	ise it is added text

C/ 00 SC 0 P L # 119	Cl 28 SC 28.5.3 P 21 L 34 # 121
Marris, Arthur Cadence Design Syste	George, Zimmerman CME Consulting, Inc
Comment Type TR Comment Status A 25G Motion 32 at the 802.3 March plenary meeting in Berlin approved modifying the P802.3bq objectives to include: "Define a single 25 Gb/s PHY supporting operation on the link segment" 25G	Comment Type T Comment Status A LATE Alignment with 802.3bz - Use of the *40G and *10G options is replaced with *MG in 802.3bz because all the MultiGBASE-T family PHYs require the same thing in these PICS, an extension of the link_fail_inhibit timer beyond what 1000BASE-T and lower speeds use. LATE
Therefore the 802.3bq draft is not fit to proceed to sponsor group ballot until the 25GBASE-T PHY is included. SuggestedRemedy Include support for the 25GBASE-T PHY Response Response Status W ACCEPT IN PRINCIPLE. Motion to approve PAR changes was inadvertently missed at the March Plenary. If PAR changes are approved, 25GBASE-T PHY will be added, if they are not, the objective will be out of scope of the PAR and be deleted.	 SuggestedRemedy Delete "insert row" editing instruction and text (lines 30-37) and replace with editing instruction: "Change row for *10G in clause 28.5.3 as follows (unchanged rows not shown):" Change row to show *10G in strikeout, *MG in underline in first column, then strikeout "Implementation supports a 10GBASE-T PHY", replacing with "Implementation supports a member of the MultiGBASE-T PHY Family (See Clause 1.4)" in column 2, and referencing Clauses 55 and 113 (as cross references) in column 3. In 28.5.4.8, item SD10, P22, L10-11, replace "Status" column with strikeout "10G:M" underline "IMG:M" In 28.5.4.8, item SD11, P22, L13-14, replace "Status" column with strikeout "10G:M" underline "MG:M"
C/ 113 SC 113.3.6.2.5 P 114 L 7 # 120 George, Zimmerman CME Consulting, Inc CME Consulting, Inc LATE Comment Type T Comment Status A LATE tx_lpdc_frame_cnt and rx_ldpc_frame_cnt should be reset every 4 quiet reset periods because that is the period of the 4 channel cycle. This appears to have been changed to 6 by mistake in	Response Response Status C ACCEPT IN PRINCIPLE. Delete "insert row" editing instruction and text (lines 30-37) and replace with editing instruction: "Change row for *10G in clause 28.5.3 as follows (unchanged rows not shown):" Change row to show *10G in strikeout, *MG in underline in first column, then strikeout "Implementation supports a 10GBASE-T PHY", replacing with "Implementation supports a member of the MultiGBASE-T PHY set (See Clause 1.4)" in column 2, and referencing Clauses 55 and 113

Change definition of MultiGBASE-T (page 20, L 27): 1.4.278a MultiGBASE-T: PHYs that belong to the set of specific BASE-T Ethernet PCS/PMAs at speeds in excess of 1000Mb/s, including 10GBASE-T (Clause 55) and 40GBASE-T (Clause 113)

C/ 113	SC	113.3.4	P 1	04	L 15	# 122
Peter, Wu			Marve	Il Semicondu	ictor	
0	e with B	T rett on this a on D2.0	Comment Status and we should remov		eriodic trair	LATE ning sequence. See
Suggested See co		y #93 on D2.	.0			
Prese McCle	PT IN F ntations Ilan_3b	PRINCIPLE ; q_01_0715 _0715.pdf	-	С		
raised been a	that the	periodically ely investiga	resetting training seated. Experts are end	equence (PT: ouraged to c	S) implements arefully val) - Concern has been entation and text have not lidate the proposed PTS is again (e.g., if 25G is

added).

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