C/00 SC 0 P L # 116	C/ 113 SC 113.6.1 P 168 L 37 # 417
Inslow, Pete Ciena	Zimmerman, George CME Consulting
Comment Type TR Comment Status D 25G	Comment Type E Comment Status D Autoneg
The objectives of the P802.3bq project were changed by motion #32 of the Berlin plenary to include: "Support a data rate of 25 Gb/s at the MAC/PLS Service Interface Define a single 25 Gb/s PHY supporting operation on the link segment"	autonegotiation doesn't determine whether the local PHY performs or supports a capability, it is either to ADVERTISE whether the local PHY performs or supports, or, alternatively whether the REMOTE PHY performs or supports, or, alternatively, whether the local PHY performs these functions, not whether it supports them
This draft does not include a PHY to satisfy these objectives	SuggestedRemedy
SuggestedRemedy	change "determine" to "advertise" in items c, d, and e.
Either:	Proposed Response Response Status W
remove the objectives or:	PROPOSED REJECT. Usage of 'support' is consistent with other clauses of IEEE Std. 802.3
modify the project PAR and CSD responses to reflect the additional objectives and revise the draft to include a suitable PHY	C/ 28D SC 28D.8 P 28 L 10 # 10
Proposed Response Response Status W	Hajduczenia, Marek Bright House Networks
PROPOSED ACCEPT IN PRINCIPLE	Comment Type T Comment Status D Autoned
PROPOSED ACCEPT IN PRINCIPLE. PAR modifications were accidently omitted from motions at Berlin plenary - project CSD modifications were approved.	Comment Type       T       Comment Status       D       Autoneg         Newly added text in 28D.8 contains many statements about mandatory and required functions. It is not clear whether these are expected to be testable (and have PICS) or not.       Autoneg
PAR modifications were accidently omitted from motions at Berlin plenary - project CSD	Newly added text in 28D.8 contains many statements about mandatory and required functions.
PAR modifications were accidently omitted from motions at Berlin plenary - project CSD modifications were approved.	Newly added text in 28D.8 contains many statements about mandatory and required functions. It is not clear whether these are expected to be testable (and have PICS) or not. SuggestedRemedy Consider making statements about mandatory / required features into "shall" statements, if they are not covered elsewhere. Add PICS if new "shall" statements are added.
PAR modifications were accidently omitted from motions at Berlin plenary - project CSD modifications were approved.         Move project PAR for WG approval and progress project documentation at earliest opportunity.         C/ 113       SC 113.6.1.2       P 170       L 5       # 105	Newly added text in 28D.8 contains many statements about mandatory and required functions. It is not clear whether these are expected to be testable (and have PICS) or not. SuggestedRemedy Consider making statements about mandatory / required features into "shall" statements, if they
PAR modifications were accidently omitted from motions at Berlin plenary - project CSD modifications were approved.         Move project PAR for WG approval and progress project documentation at earliest opportunity.         C/ 113       SC 113.6.1.2       P 170       L 5       # 105         .o, William       Marvell Semiconductor       Autoneg         40GBASE-T fast retrain bit not defined in Auto-Negotiation page       Autoneg	Newly added text in 28D.8 contains many statements about mandatory and required functions. It is not clear whether these are expected to be testable (and have PICS) or not. SuggestedRemedy Consider making statements about mandatory / required features into "shall" statements, if they are not covered elsewhere. Add PICS if new "shall" statements are added. For example: "Auto-Negotiation is mandatory for 40GBASE-T" might be converted into "A 40GBASE-T PHY shall use Auto-Negotion per XXX", where XXX contains reference where
PAR modifications were accidently omitted from motions at Berlin plenary - project CSD modifications were approved.         Move project PAR for WG approval and progress project documentation at earliest opportunity.         Cl 113       SC 113.6.1.2       P 170       L 5       # 105         .o, William       Marvell Semiconductor       Marvell Semiconductor         Comment Type       TR       Comment Status       D       Autoneg         40GBASE-T fast retrain bit not defined in Auto-Negotiation page       See Lo_3bq_01_0515.pdf for alternate scheme and McClellan_3bq_01_0515.pdf for proposed text.         Recommend fast retrain and EEE bits to be exchanged in InfoField during training instead of	Newly added text in 28D.8 contains many statements about mandatory and required functions. It is not clear whether these are expected to be testable (and have PICS) or not. SuggestedRemedy Consider making statements about mandatory / required features into "shall" statements, if they are not covered elsewhere. Add PICS if new "shall" statements are added. For example: "Auto-Negotiation is mandatory for 40GBASE-T" might be converted into "A 40GBASE-T PHY shall use Auto-Negotion per XXX", where XXX contains reference where Auto-Negotion is defined.
PAR modifications were accidently omitted from motions at Berlin plenary - project CSD modifications were approved.         Move project PAR for WG approval and progress project documentation at earliest opportunity.         Cl 113 SC 113.6.1.2       P 170       L 5       # 105         .o, William       Marvell Semiconductor         Comment Type       TR       Comment Status       D       Autoneg         40GBASE-T fast retrain bit not defined in Auto-Negotiation page       See Lo_3bq_01_0515.pdf for alternate scheme and McClellan_3bq_01_0515.pdf for proposed text.         Recommend fast retrain and EEE bits to be exchanged in InfoField during training instead of during Auto-Negotiation	<ul> <li>Newly added text in 28D.8 contains many statements about mandatory and required functions. It is not clear whether these are expected to be testable (and have PICS) or not.</li> <li>SuggestedRemedy         <ul> <li>Consider making statements about mandatory / required features into "shall" statements, if they are not covered elsewhere. Add PICS if new "shall" statements are added.</li> <li>For example: "Auto-Negotiation is mandatory for 40GBASE-T" might be converted into "A 40GBASE-T PHY shall use Auto-Negotion per XXX", where XXX contains reference where Auto-Negotion is defined.</li> </ul> </li> <li>Proposed Response Response Status W         <ul> <li>PROPOSED REJECT. New text is consistent with existing text for 10GBASE-T which states</li> </ul> </li> </ul>
PAR modifications were accidently omitted from motions at Berlin plenary - project CSD modifications were approved.         Move project PAR for WG approval and progress project documentation at earliest opportunity.         Cl 113       SC 113.6.1.2       P 170       L 5       # 105         .o, William       Marvell Semiconductor       Marvell Semiconductor         Comment Type       TR       Comment Status       D       Autoneg         40GBASE-T fast retrain bit not defined in Auto-Negotiation page       See Lo_3bq_01_0515.pdf for alternate scheme and McClellan_3bq_01_0515.pdf for proposed text.         Recommend fast retrain and EEE bits to be exchanged in InfoField during training instead of	<ul> <li>Newly added text in 28D.8 contains many statements about mandatory and required functions. It is not clear whether these are expected to be testable (and have PICS) or not.</li> <li>SuggestedRemedy         <ul> <li>Consider making statements about mandatory / required features into "shall" statements, if they are not covered elsewhere. Add PICS if new "shall" statements are added.</li> <li>For example: "Auto-Negotiation is mandatory for 40GBASE-T" might be converted into "A 40GBASE-T PHY shall use Auto-Negotion per XXX", where XXX contains reference where Auto-Negotion is defined.</li> </ul> </li> <li>Proposed Response Response Status W         <ul> <li>PROPOSED REJECT. New text is consistent with existing text for 10GBASE-T which states</li> </ul> </li> </ul>

Topic Autoneg

C/ 113 SC 113.6.1.2 P 170 L 20 # 79 Kim, Yong Broadcom	C/ 113 SC 113.6.1.2 P 170 L 41 # 80 Kim, Yong Broadcom					
Autoneg Presumed 10G values, U20 LD PMA traning reset request, U19 Fast re-train ability, U18 PHY Shot reach mode, and U17 loop timing ability, should add "10GBASE-T " in their Name (description) to be clearer to the readers that those bits are for 10GBASE-T, and not 40GBASE-T T (and not 1000BASE-T, 100BASE-TX, etc). Note: Fast re-train for 40G needs to added (the ability being per-PHY ability), and separate comment is submitted for that. SuggestedRemedy Add the word "10BASE-T" to U20, U19, U18, and U17 Names. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Task Force to discuss autonegotiation of features and whether bits are joint for 10G/40G or separate.	Comment Type       ER       Comment Status       D       Autom         U13 - Port Type bit (1 = Multiport device, 0 = single-port device) following all the references to 45.2.7.10.3 and 40.5.1.1 and few other references, there is no clarity on what Multiport device is when: Multiport device supports a two technology ability. 40.5.1.1 is clear in the context of 1000BASE-T and solely for 1000BASE-T. 10GBASE-T duplicates these bits and make no clarification on how definition changes (or NOT change) when mixed 1000BASE-T and 10GBASE-T are implemented in the device. Addition of 40GBASE-T to this mix without clarification would be confusing., i.e. if a device has two ports, one 1G/10GBASE-T and one 10G/40GBASE-T only port(for example), and the 10G/40GBASE-T negotiates at 40GBASE-T on one port, does it set multiport? Also the definition from the 1000BASE-T conveys "PREFERNECE" context, and that is not present in this section (unless you follow nested references). The intent is was to allow favoring multiport device to be MASTER, if so desired. So clarify that, no technical change, and move forward re-using this bit for 40G (or any other ability).         ====================================					
	<ul> <li>b) copy the text from bit 9.10 of 40.5.1.1 for U13.</li> <li>Proposed Response Response Response Status W</li> <li>PROPOSED REJECT.</li> <li>A multiport device is still clearly a multiport device, whether the ports are the same type or different types. Practice of multiport 10GBASE-T/1000BASE-T devices has not caused confusion.</li> <li>Existing text already clearly indicates the meaning that a multiport device has preference as a matter. See pg 112.6.2 MASTER SLAVE configuration recelution. "the preference and confusion."</li> </ul>					
	Existing text already clearly indicates the meaning that a multiport device has preferent master, See pg 113.6.2 MASTER-SLAVE configuration resolution, "the preferend r is for the multiport device to be the MASTER PHY and the single-port device to be the MASTER PHY and the single-port device to be the master of the multiport device to be the MASTER PHY and the single-port device to be the master of the multiport device to be the MASTER PHY and the single-port device to be the master of the multiport device to be the MASTER PHY and the single-port device to be the master of the multiport device to be the					

SORT ORDER: Topic

C/ 113	SC 113.	6.1	<i>P</i> 1	-	L <b>5</b>	#	81	C/ 113
Kim, Yong			Broad	dcom				McClellan,
Comment 7			omment Status				Autoneg	Comment
40GBA and res messac types, e accepte PHY type	SE-T not c spective AN ge code and e.g. 10G/25 ed, then cor pes of 2.5G	urrently in I bits for 25 define AN G/40GBAS nsider coord	D2.0 (fast retrain G (4), MC9 wou l bits that may b SE-T. Note: Not dinating the effo	n and re Ild be fu e more f a part o rt with o	oject, and allocatir peat train - separa II (no spare bits). friendly to modern of this comment, b verlapping project 56/10GBASE-T.	ate comm Consider higher sp ut if the co	ents to D2.0) taking a new eed PHY omment is	Adverti messa See pro EEE ca Similar these of techno techno
Suggested	•			(h				Suggested
					C9) that serves 40 5GBASE-T inclusi		AN	See pr
Proposed F		0	sponse Status					McClel
•	•		,		o consider proposa	al along w	ith comments	text ch
92 & 10						Ũ		page 4
C/ 113	SC 113.	6.1.2	P 1	70	L 5	#	83	change
Kim, Yong			Broad	-				suppor to "Bit
							<b>A</b>	SUDDO
Comment 7 Fast re-		-	omment Status needs to added	-	ility being per-PHY	′ ability).	Autoneg	113.4.2
Suggested	Remedy							page 5
Please	do so (add	a 40GBAS	E-T Fast re-trai	n ability)	).			change
Proposed F	Response	Re	esponse Status	w				page 5
					nt 79, Task Force for 10G/40G or se		6	change NOTE:
C/ 28B	SC 28B	.3	P2	26	L <b>9</b>	#	390	page 7
Remein, Du	iane		Huav	/ei Tech	nologies		-	change lack of
Comment T	ype E	C	omment Status	П			Autoneg	foot rot
					hat the staff editor	does not	0	to "Cor
	ber other bi	•		131 30 1		0003 1100	nave to	lack of and po
Suggested	Remedy							and po
Make th	ne addition i	item "k)" ar	id remove the in	structio	n to renumber.			page 7
Proposed F	Response	Re	sponse Status	w				change to "Sup
PROP	, DSED REJ		- <b>,</b>					PMA_F
List is t	he priority c	order of tecl	nnologies, highe	est spee	ds go first.			page 1 line 4 changu

C/ 113	SC 113.6.1.2	P <b>170</b>	L 6	#	92
McClellan, B	Brett	Marvell			
Comment Ty	vpe TR	Comment Status D			Autoneg

tisement of 40GBASE-T EEE should be moved from the xGBASE-T technology age extended next page exchange to an Infofield message exchange during link training. presentations: Lo\_3bq\_01\_0515.pdf and McClellan\_3bq\_01\_0515.pdf capability exchange is not necessary prior to the start of link training. ary 40G fast retrain capability should be part of an Infofield message exchange. By moving capability exchanges to the Infofield we can free up enough bits in the xGBASE-T ology message to advertise 25G, 2.5G and 5G speeds. Without this change a new ology message will be required for 25G, 2.5G and 5G.

#### dRemedy

presentations for text and figure changes: Lo 3bg 01 0515.pdf and ellan 3bg 01 0515.pdf hanges required are as follows:

#### 48 line 42

e"Bit 7.32.3 is used to select whether or not Auto-Negotiation advertises the ability to ort 40GBASE-T fast retrain."

t 7.32.3 is used to select whether or not the 40GBASE-T PHY advertises the ability to ort 40GBASE-T fast retrain. Fast retrain ability is exchanged during link training. See .2.5.10."

51 line 9 Clause 45.2.7.13 ge "113.6.1; U21" to "113.4.2.5.10; Infofield Octet 12 bit 7"

51 line 32 Clause 45.2.7.14

ae "28.2.3.4.128: U3 / 113.6.1:U24" to "113.4.2.5.10: Infofield Octet 12 bit 7" E: 28.2.3.4.128 does not exist

#### 71 line 26 Clause 113.1

e "Configurations wishing to disable fast retrain on the link may do so by advertising of support in Clause 28 AutoNegotiation, thus preventing the link partner from attempting etrain and potentially dropping the link."

onfigurations wishing to disable fast retrain on the link may do so by advertising of support in register 7.32, thus preventing the link partner from attempting fast retrain otentially dropping the link. See 45.2.7.10."

#### 78 line 16 Clause 113.1.3.3

ae "Support for the EEE capability is advertised during Auto-Negotiation." port for the EEE capability is advertised in the Infofield (Octect 12 bit 7) during the PBO Exch state.

134 Clause 113.4.2.5 change "Reserved" to "Reserved / Ability"

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

Topic Autonea

Page 3 of 94 4/29/2015 2:42:01 PM

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

line 26

change "LPI Disable Time" to "Reserved / Ability / LPI Disable Time"

page 137 line 20 Clause 113.4.2.5.10 change "113.4.2.5.10 Reserved Field All InfoField fields denoted Reserved in Figure 113-24, Figure 113-25, and Figure 113-26 are reserved for future use. This includes octets Oct11 and Oct12 when Coeff\_exchange<2>=0, Oct9<3:2> when transition counter is announced and [Oct9<3:0>, Oct10<7:0>] when no transition is announced and no coefficients are exchanged." to "113.4.2.5.10 Ability Field Ability field (1 octet). Represented by the octet Oct12{EEE Ability<7>, THP Bypass Request<6>,Fast Retrain<5>, Reserved<4:0>}. Used to advertise the abilities of the PHY during the PMA PBO Exch state when Message <7:6> = 01. For every other state, this octet is set to zero and ignored by the link partner. The Ability bits are defined as follows: Oct12 < 4:0 > = ReservedOct12<5> = Fast Retrain 0 = Fast Retrain not supported 1 = Fast Retrain supported Oct12<6> = THP Bypass Request in PMA Coeff Exchstate 0 = Local device requests link partner not to bypass THP during fast retrain 1 = Local device requests link partner to bypass THP during fast retrain Oct12 < 7 > = EEE Ability0 = EEE not supported 1 = EEE supported 113.4.2.5.11 Reserved

All InfoField fields denoted Reserved in Figure 113–24, Figure 113–25, and Figure 113–26 are reserved for future use. This includes octets Oct11 and Oct12 when Coeff\_exchange<2>=0 and Message<7:6>~= 01, Oct9<3:2> when transition

counter is announced and [Oct9<3:0>, Oct10<7:0>] when no transition is announced and no coefficients are exchanged."

#### page 139 line 6 Clause 113.4.2.5.14

change "minwait\_timer expires. In the PMA\_PBO\_Exch state,"

To "minwait\_timer expires. In the PMA\_PBO\_Exch state while Infofield Message<7:6> = 01, the PHY advertises EEE and Fast Retrain capability in octet 12 of the Infofield. When both the local device and remote device advertise EEE capability then EEE is supported. When both the local device and remote device advertise Fast Retrain capability then Fast Retrain is supported. In the PMA\_PBO\_Exch state,"

#### page 141 line 5 Clause 113.4.2.5.15

change "After completing the link failure signal the PHY shall transition to the PMA\_Coeff\_Exch state, keep its THP turned on with its previously exchanged coefficients, and send PAM2 signaling within a time period equivalent to 9 LDPC frame periods." to "After completing the link failure signal the PHY shall transition to the PMA\_INIT\_FR state

followed immediately by the PMA\_Coeff\_Exch state. If the link partner requested THP bypass for fast retrain the PHY will bypass the THP (or set THP coefficients to zero). Otherwise the PHY will keep its THP turned on with its previously exchanged coefficients, and send PAM2 signaling within a time period equivalent to 9 LDPC frame periods."

page 168 line 39 Clause 113.6.1 delete items d) and e) page 170 line 6 Clause 113.6.1.2 set U25 to "Reserved, transmit as 0" (was EEE ability)

 Proposed Response
 Response Status
 W

 PROPOSED ACCEPT IN PRINCIPLE.
 Consider with Comments 105 & 81
 Task Force to consider presentations

C/ 113	SC 113.6.1.3	P 171	L 15	# 96	
McClellan, E	Brett	Marvell			

Comment Type TR Comment Status D

Somehow this paragraph originally from Clause 40 lost some important information in the Clause 55 and 113 versions.

Original:

"40.5.1.3 Sending Next Pages

Implementers who do not wish to send additional Next Pages (i.e., Next Pages in addition to those required to perform PHY configuration as defined in this clause) can use Auto-Negotiation as defined in Clause 28 and the Next Pages defined in 40.5.1.2. Implementers who wish to send additional Next Pages are advised to consult Annex 40C." Also note the change in "implementer" per Maintenance draft 2.1

#### SuggestedRemedy

change text from

"113.6.1.3 Sending Next Pages

Implementors who do not wish to send additional Next Pages (i.e., Next Pages in addition to those required to perform PHY configuration as defined in this clause) can use Auto-Negotiation as defined in Clause 28." to

#### "113.6.1.3 Sending Next Pages

Implementers who do not wish to send additional Extended Next Pages (i.e., Extended Next Pages in addition to those required to perform PHY configuration as defined in this clause) can use Auto-Negotiation as defined in Clause 28. Implementers who wish to send additional Extended Next Pages may do so using the AN XNP transmit registers. See 45.2.7.8."

#### Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

In addition to suggested remedy, editor to scrub draft for instances of "implementor"

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: Topic

Topic Autoneg

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Autonea

C/ 28C SC 28C.11	P <b>27</b>	L <b>21</b>	# 454	C/ 113 SC 113.5.4	I.6.1 <i>P</i> 163	L 13	# 302
Frazier, Howard	Broadcom Cor	poration		Hidaka, Yasuo	Fujitsu Labo	atories of	
Comment Type T	Comment Status D		Autoneg	Comment Type T	Comment Status D		Cabling
	z 2.5G/5G project may also u to avoid conflicting editing ins		s text change should be	B has large discontin Also, the definition of	uity at f = 500. B for f > 500 is inconsistent wi	th TR42.7-2015-	04-04x.
SuggestedRemedy				SuggestedRemedy			
Coordinate with 802.3bz of	on text for 28C.11.			Change "- 0.000605	x sqrt(f)" with "+ 0.000605 x f".		
Proposed Response PROPOSED ACCEPT IN are adopted as text.	Response Status W I PRINCIPLE. Editor will kee	p track of chan	ges in 802.3bz when any	This is consistent wit Proposed Response PROPOSED ACCEI	h TR42.7-2015-04-04x, Draft 3 Response Status W PT.	.1, Table 96, pag	e 79.
C/ 113 SC 113.5.4.6.2	P 163	L <b>25</b>	# 304				
Hidaka, Yasuo	Fujitsu Laborat	tories of		C/ 113 SC 113.5.4		L <b>49</b>	# 425
Comment Type T	Comment Status D		Cabling	Zimmerman, George	CME Consul	ting	
Return loss is not defined	for f < 10.			Comment Type T	Comment Status D		Cabling
SuggestedRemedy Change "10 <= f <= 25" o	n line 25, page 163 with "1 <=	= f <= 25".		segment as a whole.	fy patch cabling and interconne Cabling specifications describe a exists in clause 55)		
This is consistent with TR	42.7-2015-04-04x, Draft 3.1,	. Table 53. page	e 52.	SuggestedRemedy			
Proposed Response PROPOSED ACCEPT.	Response Status W			113.7" to "through lin	cabling and interconnecting ha k segments that are within the l ce request to clause 55 as well)	imits specified in	
C/ 113 SC 113.5.4.6.1	P 163	L 15	# 303	Proposed Response	Response Status W		
Hidaka, Yasuo	Fujitsu Laborat		" 303	PROPOSED ACCEI Change:that is w	-		
Comment Type T	Comment Status D		Cabling	specified in 113.7.			
2dB on line 15, page 163 section 6.4.2, line 1444, p	is inconsistent with 3dB defir age 53.	ned in TR42.7-2	2015-04-04x, Draft 3.1,	To:that are cons specified in 113.7.	sistent with the limits		
SuggestedRemedy							
Change the line 15 as foll	ows:						
Calculations that result in 3dB maximum.	insertion loss values less tha	n 3 dB shall re∖	vert to a requirement of				
This is consistent with TR	42.7-2015-04-04x, Draft 3.1,	, Section 6.4.2,	line 1444, page 53.				
Proposed Response	Response Status W						

C/ 113 SC 113.7.1 P 173 L 51 #	170	C/ 113	SC 113.4.5.	11 <i>P</i> 166	L 36	# 218
Thompson, Geoff GraCaSI S.A.	479	Shariff, Maso		CommScope	L 30	# 218
	o / #					o / "
Comment Type TR Comment Status D The text is incorrect. What is required is not 4 cables of a single twisted pair eac	Cabling	Comment Ty		Comment Status D atch Category 8 specs in draft 3	1	Cabling
implied from the text. What is required is cabling constructed with four pair balar				atthe Calegory o specs in draft o	. 1	
pair cable.		SuggestedRe	2			Aller It is a fault an
SuggestedRemedy				ed 2.9 ns at all frequencies from that, once installed, the skew be		
Change the text: "4 pairs of balanced cabling" to "4 pair balance cabling"	channels	due to enviro	nmental conditions shall not vary			
Proposed Response Response Status W		requirem	ent.			
PROPOSED REJECT.		To: shall	not exceed 4.	8 ns at all frequencies from 2 MH	Hz to 2000 MHz.	It is a
Text consistent with definition.		further fu	nctional requi	rement that, once installed, the s	kew between any	two of the four duplex
1.4.x 40GBASE-T: IEEE 802.3 Physical Layer specification for a 40 Gb/s LAN u	using four pairs	requirem		nmental conditions shall not vary	more than 0.5 ns	s within the above
of category	2)	•				
8, Class I, or Class II balanced copper cabling. (See IEEE Std 802.3, Clause 11	3.)			ated as follows: 13.5*5/30+2*1.2	5=4.8	
C/ 113 SC 113.1 P71 L13 #	478	Proposed Re		Response Status W		
Thompson, Geoff GraCaSI S.A.		PROPOS	SED ACCEPT	IN PRINCIPLE.		
Comment Type TR Comment Status D There is no category of cabling mentioned as being required, it would seem that t call out Category 8 cabling should be called out.	<i>Cabling</i> the text should	further fu	nctional requi	8 ns at all frequencies from 2 MH rement that, once installed, the s nmental conditions shall not vary	kew between any	two of the four duplex
Suggested Remedy		requirem		intental conditions shall not vary	more than 0.5 h	
Change the text: "category" in this line to "Category 8".		Natara				
			ssary to add: 4.8 is calcula	ated as follows: 13.5*5/30+2*1.2	5=4.8	
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 385 for a more complete	romody		00 440 5 4		1 40	# 004
	Terneuy	C/ <b>113</b> Hidaka, Yasu	SC 113.5.4.6	5.1 P 163 Fujitsu Laborato	L 12	# 301
C/ 113 SC 113.5.4.6.14 P 168 L 14 #	219	,		,	ones or	0.15
Shariff, Masood CommScope		Comment Ty	-	Comment Status D ss than 10 MHz.		Cablin
Comment Type T Comment Status D	Cabling			ss than to MHZ.		
Equation 113-25 needs to be updated to match TIA-568-C.2-1 draft 3.1		SuggestedRe	-			
SuggestedRemedy		Change "	10 <= t <= 50	0" on line 12 with "1 <= f <= 500	J".	
Change equation 113-25 to		This is co	nsistent with	TR42.7-2015-04-04x, Draft 3.1,	Table 96, page 7	<b>'</b> 9.
PSAACRF => 61-20log( f /100)		Proposed Re	sponse	Response Status W		
Proposed Response Response Status W		PROPOS	ED ACCEPT			
PROPOSED ACCEPT.						

Topic Cabling

C/ 113         SC 113.7.1         P 174         L 3         # 480           Thompson, Geoff         GraCaSI S.A.         GraCaSI S.A.         GraCaSI S.A.	C/         113         SC         113.1         P 71         L 13         #         86           Maguire, Valerie         Siemon
Comment Type TR Comment Status D Cabling It says in this line that 40GBASE-T uses "star topology". That is untrue. It uses point-to-point topology as do ALL 802.3 devices which utilize "Link Segments".	Comment Type <b>T</b> Comment Status <b>D</b> Cablingree Standards names and the publication date are not needed in body text if the document is referenced in the Bibliography.
SuggestedRemedy	SuggestedRemedy
Replace "star" with "point-to-point"	Delete, "-201x Addendum 1: Specification for 100ohm Category Cabling"
Proposed Response       Response Status       W         PROPOSED REJECT.       I understand the line could be interpeted as commentor suggests but same terminology has been used to indicate that star topologies are used to connect point-to-point PHY entities (e.g., 10GBASE-T, 40GBASE-T).	Proposed Response Response Status W PROPOSED REJECT. The cited references are not in the bibliography, referenced standards are usually normative references. Existing 802.3 standard includes the names of similar normative references in body text.
55.7.1. a) 10GBASE-T uses a star topology with Class E or Class F balanced cabling used to connect PHY entities.	C/ 01         SC 1.4         P 20         L 29         # 245           HESS, DAVE         CORD DATA
For committee discussion         Cl 113       SC 113.5.4.6.9       P 166       L 18       # 440         Zimmerman, George       CME Consulting         Comment Type       E       Comment Status       D       Cabling         Description of PSACRF in terms of pair-to-pair ELFEXT is redundant       SuggestedRemedy       Minimize redundancies in 113.5.4.6.x sections.         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       (1)See comment#472 to correct 113-21         (response to remedy)PSACRF is limit (113-20) and 113-21 is calculation of impairmants to compare against the limit.         Response to add clarification and remove subclause 113.5.4.6.9 (which may be considered a redundancy)         (3-1)Delete subclause text "113.5.4.6.9 Multiple disturber power sum equal level far-end crosstalk (PS ACRF)"         (3-2)Move equation 113-21 before 113-20         (3-3)Move text "PS ACRF is determined by summing the power of the three individual pair-to-pair differential ACRF values over the frequency range 1 MHz to 2000 MHz as follows in	Use correct references in definitions: "category n" refers to a cabling component, whereas "class N" refers to the cabling. <i>SuggestedRemedy</i> change: "1.4.x Category 8.2 balanced cabling: Balanced 100 Ù cables and associated connecting hardware whose transmission characteristics are specified up to 2,000 MHz" to: "1.4.x Category 8.2 balanced cabling components: Balanced 100 Ù cables and associated connecting hardware, used in Class II cabling, whose transmission characteristics are specified up to 2,000 MHz" <i>Proposed Response Response Status</i> <b>W</b> change: "1.4.x Category 8.2 balanced cabling: Balanced 100 Ù cables and associated connecting hardware whose transmission characteristics are specified up to 2,000 MHz" to: to:1.4.x Category 8.2 balanced cabling: Balanced 100 Ù cables and associated connecting hardware whose transmission characteristics are specified up to 2,000 MHz" to:1.4.x Category 8.2 balanced cabling: Balanced 100 Ù cables and associated connecting hardware whose transmission characteristics are specified up to 2,000 MHz" to:1.4.x Category 8.2 balanced cabling components: Balanced 100 Ω cables and associated connecting hardware used in ISO/IEC 11801-1 Edition 3 Class I cabling specified to 2,000 MHz.
Equation (113–21) after sentence "To ensure the total FEXT coupled into a duplex channel is limited, multiple disturber ACRF is specified as the power sum of the individual ACRF disturbers.	

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: Topic

C/ 113 SC 113.7	P 173	L <b>36</b>	# 477	C/ 113 SC	113.7	P <b>173</b>	L <b>42</b>	# 88
Thompson, Geoff	GraCaSI S.A.			Maguire, Valerie		Siemon		
Comment Type ER through line 45. The third and fourth se to the standard global c	Comment Status <b>D</b> ntence of this paragraph are con definition in clause 1.4.	nfusing and are	Cablingrefs an unnecessary addition	performance incompatible	information in with the link s	Comment Status D R 11801-9901 guidelines is this document is only desc egment characteristics defi	ribed to 1.6GHz ined in 113.7. IS	and, thus, is O/IEC/TR 11801-9901
SuggestedRemedy Remove sentences 3 a	nd 4			referenced to		o be rolled into ISO/IEC 11	801-1 Edition 3 a	and will be correctly
Proposed Response	Response Status W			SuggestedReme	dy			
PROPOSED ACCEPT See comment#247				premises - Pa	art 9901: Guid	01-9901: Information techr lance for balanced cabling C 11801-1 Edition 3".	0,	0
C/ 113 SC 113.7	P 173	L <b>44</b>	# 87	And, delete E	ditor's note or	n lines 46 and 47.		
/laguire, Valerie	Siemon			Proposed Respo	nse	Response Status 🛛 🛛 🛛 🛛 🛛 🛛 🖉		
Comment Type <b>T</b> A "casual" reference to	Comment Status D the Standard title should not ap	pear here.	Cablingrefs	PROPOSED updates.	ACCEPT IN	PRINCIPLE. See commen	t#230 for consist	ency of ISO/IEC
SuggestedRemedy				C/ 01 SC	1.3	P 20	L <b>8</b>	# 228
Delete, "Category 8 Ca	bling".			Booth, Brad		Microsoft		
C/ 113 SC 113.1 Shariff, Masood Comment Type E Addendum 1 is already	<sup>7</sup> IN PRINCIPLE. Provide full na <i>P</i> 71 CommScope <i>Comment Status</i> <b>D</b> rencoded into the number ANSI ddendum to this implies and add	L <b>13</b> /TIA-568-C.2-1	# 214 Cablingrefs where -1 means	specification SuggestedRemen Provide the c Proposed Respon	or draft specif dy orrect referen nse	ation is incorrect. This dra ication, not a pending spec ce. <i>Response Status</i> <b>W</b> PRINCIPLE. See commen	ification.	ust reference an existing
Category 8 to the title				C/ 01 SC	1.4	P <b>20</b>	L 20	# 230
SuggestedRemedy		<b>0</b>		Booth, Brad		Microsoft		
augmentation as specif	Specification for 100 ohm Cate ied in 113.7.	gory Cabling wit	n appropriate	Comment Type	TR	Comment Status D		Cablingret
0	0 ohm Category 8 Cabling with	appropriate aug	mentation as specified in	forward-looki	ng. There sho	definitions have an editor's uld not be any forward-look rmation in standards or dra	ing definitions in	
Proposed Response	Response Status W			SuggestedReme	dy			
PROPOSED ACCEPT	. See comment 123.			Correct these	e definitions to	eliminate any requirement	for the editor's no	ote.
				Reference dr	ACCEPT IN aft specification	Response Status W PRINCIPLE. ons (ISO/IEC 11801-1 Edit r to publication.	ion 3, and ANSI/	TIA 568C.2-1 (Category
	d ER/editorial required GR/get spatched A/accepted R/rejecte	•	5	al	·	Торіс <b>С</b>	ablingrefs	Page 8 of 94 4/29/2015 2:42:02

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

C/ 113 SC 113.7.3.2	P 180	L <b>45</b>	# 243	C/ 113	SC 113.7.2	P <b>174</b>	L 19	# 89
ESS, DAVE	CORD DATA			Maguire, V	alerie	Siemon		
Comment Type ER C Some uses of "ISO" should b	Comment Status D		Cablingrefs	Comment T The lay		Comment Status <b>D</b> 3-22 is not harmonized with the	e layout of Table s	<i>Cablingret</i> 55-17. As a result, users
SuggestedRemedy Replace "ISO" with "ISO/IEC				that on revising	ly one grade of c g the table to sho	ASE-T table may look at the 40 abling supports 40GBASE-T. ow separate rows for "Class I / in column 3 should be updated	Eliminate this po Category 8" and	tential for confusion by "Class II". In addition,
	esponse Status W			Standa	0			
PROPOSED ACCEPT IN P	RINCIPLE. Resolve with c	omment#230 to	r consistency.	Suggested	Remedy			
C/ 01 SC 1.3 Frazier, Howard	P <b>20</b> Broadcom Corp	L 10 poration	# 452		n 1: bling ss I / Category 8			
, , , , , , , , , , , , , , , , , , ,	Comment Status D		Cablingrefs		ss II			
The base standard lists ISO/ this draft lists ISO/IEC 1180				Colum	n 2: oported link segn	nent distances		
SuggestedRemedy				30 ו	'n			
Check and correct if necessa	ary.			30 ו	m			
	esponse Status W			Colum	n 3:			
PROPOSED ACCEPT IN P Edition 3 is an EDITION. It is reported in several liaison rep	s the draft revision to ISO/	IEC 11081:2002	2 that is in process	Cabling references ISO/IEC 11801-1 Edition 3 / ANSI/TIA-568-C.2-1-201x ISO/IEC 11801-1 Edition 3				
Resolve with comment#230				No req	OSED ACCEPT uirement to harm 113–22 Cabling t	Response Status W IN PRINCIPLE. nonize table layouts. types and distances content ag	greed to after mu	ch debate in previous
				C/ 01	SC 1.4	P <b>20</b>	L <b>29</b>	# 476
				Thompson,	Geoff	GraCaSI S.A.		
				Comment This er		Comment Status <b>D</b> s a duplicate of the text above a	and is unnecessa	<i>Cablingret</i>
				Suggested Remov		associated editor's note.		
				Proposed I		Response Status W		
				PROP	•	IN PRINCIPLE.		

C/ 01 SC 1.4 P 20 L 20 # 475	C/ 01 SC 1.4.x P 20 L 26 # 78
Thompson, Geoff GraCaSI S.A.	Mark, Laubach Broadcom Corporation
Comment Type       ER       Comment Status       D       Cablingrefs         The text: "Category 8.1" is incorrect       SuggestedRemedy       Example Category 8.1" with "Category 8"       Cablingrefs	Comment Type         ER         Comment Status         D         Cablingree           Lines 26 and 34.         These EN's aren't clear to me.         Do they relate to the EN on Page 173 Line 46 about a future ISO/IEC document revision? Is this a warning that these definitions are going to be updated in the future or that they will become representative of TIA and ISO documents after some future date or documentation release? Will these EN's be removed prior to publication?
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	SuggestedRemedy Consider removal or update with "(to be removed prior to publication)" and fix clarity/purpose issues.
See comment#244	Proposed Response Response Status W
C/         01         SC         1.4         P 20         L 20         #         244           HESS, DAVE         CORD DATA	PROPOSED ACCEPT IN PRINCIPLE. See comments 407, 230
Comment Type ER Comment Status D Cablingrefs	C/         01         SC 1.3         P 20         L 7         # 371           Remein, Duane         Huawei Technologies         4         371
Use correct references in definitions: "Category n" refers to a cabling component, whereas "Class N" refers to the cabling.	Comment Type ER Comment Status D Cablingre Should not reference draft documents
<ul> <li>change:</li> <li>"1.4.x Category 8.1 balanced cabling: Balanced 100 Ù cables and associated connecting hardware whose transmission characteristics are specified up to 2,000 MHz"</li> <li>"1.4.x Category 8.1 balanced cabling components: Balanced 100 Ù cables and associated connecting hardware, used in Class I cabling, whose transmission characteristics are specified up to 2,000 MHz"</li> <li><i>Proposed Response</i> Response Status W</li> <li>PROPOSED ACCEPT IN PRINCIPLE. change:</li> <li>"1.4.x Category 8.1 balanced cabling: Balanced 100 Ù cables and associated connecting hardware whose transmission characteristics are specified up to 2,000 MHz"</li> <li>to: 1.4.x Category 8.1 balanced cabling: Balanced 100 Ù cables and associated connecting hardware whose transmission characteristics are specified up to 2,000 MHz"</li> <li>to: 1.4.x Category 8.1 balanced cabling components: Balanced 100 Ω cables and associated connecting hardware used in ISO/IEC 11801-1 Edition 3 Class I cabling specified to 2,000 MHz.</li> </ul>	SuggestedRemedy         Add editors note that these two references will be updated before the end of sponsor ballot when the specifications are released.         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE. See comment 230         Cl       113       SC 113.7       P 173       L 41       # 247         HESS, DAVE       CORD DATA         Comment Type       ER       Comment Status       D       Cablingre         Update ISO/IEC standard.       SuggestedRemedy       Change:       "ISO/IEC/TR 11801-9901: Information technology - Generic cabling for customer premises - Part 9901: Guidance for balanced cabling in support of at least 40       Gbit/s data transmission," to:       "ISO/IEC 11801-1 Edition 3: Information technology - Generic cabling for customer premises - Part 1: General requirements,"         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       See comment#230 for consistency of ISO/IEC updates.

C/     113     SC     113.5.4.3     P 161     L 22     #     246       HESS, DAVE     CORD DATA	C/         01         SC         1.4         P 20         L 20         # 341           Lusted, Kent         Intel
Comment Type ER Comment Status D Cablingrefs Include all cabling standards designations SuggestedRemedy change:	Comment Type E Comment Status D Cablingret The difference between the definition of Categyory 8.1 balanced cabling and Category 8.2 balanced cabling isn't obvious to the casual reader. It looks to me to be the same definition two times.
"Category 8 channel" to: "ISO/IEC Class I / ISO/IEC Class II / TIA Category 8 channel"	SuggestedRemedy Consider adding some text to each that helps the reader understand the difference between the two cablings.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Delete Category 8 so that it reads "a plug-terminated channel that meets the requirements of 113.7"	Proposed Response Response Status W PROPOSED REJECT. Although the differences may be straighforward to state they may not help the casual reader better understand unless supplemented with text of tutorial nature more appropriate for an Annex.
C/         01         SC 1.3         P 20         L 11         # 229           Booth, Brad         Microsoft	C/         113         SC         113.7.3.1.1         P 180         L 1         #         423           Zimmerman, George         CME Consulting         CME
Comment Type         T         Comment Status         D         Cablingrefs           Reference to ISO/IEC specification is incorrect. This draft specification must reference an existing specification or draft specification, not a pending specification.         Cablingrefs	Comment Type     T     Comment Status     D     Cablingree       Annex 55B does not provide information on the PSANEXT calculation.     Cablingree
SuggestedRemedy Provide the correct reference. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 230	SuggestedRemedy Delete "Annex 55B provides additional information on identifying the number of adjacent link segments to consider in the PSANEXT calculation." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
C/ 113     SC 113.7     P 173     L 47     # 91       Mark, Laubach     Broadcom Corporation	Change: "Annex 55B provides additional information on identifying the number of adjacent link segments to consider in the PSANEXT calculation."
Comment Type         TR         Comment Status         D         Cablingrefs           The Editors note mentions "pending". This raises the question to me of: do we need to pause on 802.3bq until ISO/IEC publication or can we proceed, and if so how far? What is the technical dependency of Table 113-22 with respect to the planned date of the publication of the	To: Annex 55B provides additional information on alien crosstalk mitigation enabling reduction of the number of adjacent link segments to consider in the PSANEXT calculation.
ISO/IEC document?	C/         113         SC         113.5.4.3         P         161         L         22         #         85           Maguire, Valerie         Siemon
SuggestedRemedy Please give some reviewers some guidance and update the editors note.	Comment Type       E       Comment Status       D       Cablingree         "Category" is usually not capitalized when used mid-sentence.       Cablingree

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: Topic

C/ 113 SC 113.7.4 Zimmerman, George	P <b>181</b> CME Consultir	L <b>32</b>	# 413	CI 78 SC 78.1. McDermott, Thomas	3.3.1	Р <b>57</b> Fujitsu	L <b>48</b>	# 56	
Comment Type E Use of the ambiguous te SuggestedRemedy Change "on the same ch	Comment Status <b>D</b> erm "channel" nannel." to "on the same balan	ced twisted pair.	Cablingrefs	Comment Type ER This wording is con the various differen	fusing, it is diffic	ent Status <b>D</b> cult to determine	which modes are	optional and re	EE quired for
Proposed Response PROPOSED ACCEPT Change "on the same ch Cl 113 SC 113.5.4.6. HESS, DAVE Comment Type ER Some uses of "ISO" sho SuggestedRemedy Replace "ISO" with "ISC Proposed Response	Response Status W IN PRINCIPLE. hannel." to "on the same link se 14 P 168 CORD DATA Comment Status D build be "ISO/IEC"	egment". L 1	# 240 Cablingrefs	SuggestedRemedy Recommended text implement the optic sleep and fast wake Then insert: For Ba optional EEE capat was intended. Proposed Response PROPOSED ACCI No BASE-T PHYs requirement in 78.1 Change page 57, liit	nal EEE capabil s se-T PHYs with ility, LPI deep sl <i>Respons</i> EPT IN PRINCIF currently suppor .3.3.1 ne 48: from:	an operating spe eep is optional a se <i>Status</i> <b>W</b> PLE. t fast wake. Inte	f LPI operation ma eed of 40Gb/s or g nd fast wake is ma ent was 40GBASE	y be supported greater that imp andatory or the -T is exempted	d: deep element th whatever
C/ 113 SC 113.1 Remein, Duane	P <b>71</b> Huawei Techn	L 13 nologies	# 385	"Except for BASE- the optional EEE ca wake."					
SuggestedRemedy Remove "appropriate" Proposed Response PROPOSED ACCEPT four pairs of balanced ca C.2-1-201x Addendum 1: Specificat specified in 113.7. To: 40GBASE-T signalii four pairs of balanced ca C.2-1-201x Addendum	Comment Status D pecified in 113 not "appropriate Response Status W IN PRINCIPLE. Change: 40G abling, as specified in ISO/IEC ion for 100ohm Category Cabl ng requires abling, as specified in ISO/IEC I: Specification for 100 ohm C is of capital omega in place of	BASE-T signalir 11801-1 Editior ling with appropr 11801-1 Editior ategory 8 Cablin	a 3 and ANSI/TIA-568- iate augmentation as and ANSI/TIA-568- g.	To: "Except for BASE-T implement the optic sleep and fast wake Insert "Except for 4 wake support is ma implement EEE." See comments 78,	nal EEÉ capabil »." 0GBASE-T", on ndatory for PHY	ity, two modes of page 58, line 4 s	f LPI operation ma so it reads: "Excep	by be supported	d: deep E-T, fast

Topic EEE

C/         113         SC         113.3.6.4         P 123         L 27         #         460           Frazier, Howard         Broadcom Corporation         Broadcom Cor	C/         113         SC         113.1.3         P 75         L 24         # 363           Remein, Duane         Huawei Technologies         Huawei Technologies         Huawei Technologies         Huawei Technologies
Comment Type       TR       Comment Status       D       EEE         In Figure 113-17 there is a entry tag "E" into the state TX_E, but I can't       find an exit tag "E" in either part a or part b of the state diagram. (I note that there is an "E" exit tag in part b of the receive diagram.)       SuggestedRemedy         Remove the tag "E" from the entry conditions to the state TX_E in Figure 113-17.       Proposed Response       Response Status       W         PROPOSED ACCEPT.       Comment er may wish to pursue comment as maintenance to Clause 55. This appears to have been introduced in 802.3az-2010, and gone unnoticed until now.       EEE	Comment Type       E       Comment Status       D       EEL         What is the meaning of the dotted boxes in Figure 113-3?       Same issue with Figure 113-4 pg 82, Figure 113-5 pg 89       SuggestedRemedy         SuggestedRemedy       Explain what these boxes mean or remove.       Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       Note 2 explains these are only used if EEE or fast retrain options are enabled.       Insert text at end of Note 2:       "These are indicated by dotted boxes".
C/         113         SC         113.3.7.2         P 126         L 40         # 368           Remein, Duane         Huawei Technologies         Huaw	C/         78         SC         78.1         P 57         L 48         # 486           Brown, Matt         APM
Comment Type       E       Comment Status       D       EEE         Figure 113-20, Figure 113-21, Figure 113-33 have no dashed line while Figure 113-18 does. All are only for EEE. Presentation should be consistent       SuggestedRemedy         Add a dashed box to Figure 113-20, Figure 113-21, & Figure 113-33       Proposed Response       Response Status       W         PROPOSED ACCEPT. Figurs are identical to that in clause 55 - commenter may wish to file maintenance or comments on revision currently in process       Status       Status	Comment Type       ER       Comment Status       D       EEL         Missing a comma. Also, "for" should not be delete without altering the rest of the sentence.       SuggestedRemedy       Change:         Except for BASE-T <for> PHYs with an operating speed of 40 Gb/s or greater that implement the optional EEE capability, two modes of LPI operation may be supported: deep sleep and fast wake.       To:</for>
C/         113         SC         113.1.3         P 73         L 19         #         277           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of <td< td=""><td>"Except for BASE-T PHYs, for PHYs with an operating speed of 40 Gb/s or greater that implement the optional EEE capability, two modes of LPI operation may be supported: deep sleep and fast wake."</td></td<>	"Except for BASE-T PHYs, for PHYs with an operating speed of 40 Gb/s or greater that implement the optional EEE capability, two modes of LPI operation may be supported: deep sleep and fast wake."
Comment Type       T       Comment Status       D       EEE         "to signal an end to the LPI mode" seems wrong.       SuggestedRemedy	Or alternately #1: For PHYs with an operating speed of 40 Gb/s or greater, with the exception of the 40GBASE-T PHY, that implement the optional EEE capability, two modes of LPI operation may be supported: deep sleep and fast wake. Or alternately #2: For BASE-R PHYs with an operating speed of 40 Gb/s or greater that implement the optional EEE capability, two modes of LPI operation may be supported: deep sleep and fast wake. <i>Proposed Response</i> Response Status <b>W</b>

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

Topic EEE

C/ 113 S	SC 113.3.2.3	P 108	L 37	# 295		C/ 78	SC 78.1.3.3	6.1	P <b>57</b>	L <b>48</b>	# 326	
Hidaka, Yasuo		Fujitsu Labora	tories of			Hidaka, Ya	SUO	F	ujitsu Labora	atories of		
Comment Type	e T	Comment Status D			EEE	Comment	Туре Т	Comment Sta	tus <b>D</b>			EEE
		nsistent with 6 LDPC frames as duration of 6 LDPC frame		e 106.		The dis and no		onal or mandatory s	upport for d	eep sleep and fas	t weke is very cor	nfusing
SuggestedRen	nedy					For inc	tanca for the fi	rst sentence, chanc	ing "For DL	Ve with an operat	ting speed of 40 (	2b/c or
Change "7	LDPC frames	" with "6 LDPC frames" on lir	ne 37, page 108.				,	t the optional EEE of	, 0		01	
Proposed Resp	ponse ED ACCEPT.	Response Status W					0.1	Gb/s or greater that d in a wrong way.	t implement	EEE capability" n	nay be wrong, bed	cause
		6 LDPC frame periods in ado	otion of graba_3	bq_01_0714.pdf		Suggested	Remedy					
CI 78 S	SC 78.1.3.3.1	P 57	L 48	# 397		Chang	e the first sente	nce of the paragrap	h starting o	n line 48, page 57	' as follows:	
Remein, Duane		Huawei Techn				Except	for BASE-T PI	HYs, PHYs with an	operating s	beed of 40Gb/s or	r greater that impl	ement
Comment Type	⇒ T	Comment Status D	0		EEE	the opt	ional EEE capa	bility may support t	wo modes o	f LPI operation: de	eep sleep and fas	t wake.
		essively broad and may lead to 's with an operating speed of		e future:				able 78-1 to indicate or optional for eac			port and the fast v	wake
SuggestedRen Change to:	:	PHYs with an operating spee	nd of 40 Ch/c	11			unately, I am no it helps to mak	t familiar enough w	th EEE to g	ive specific chang	ges to Table 78-1,	, but I
		e stricken "For")	eu 01 40 Gb/S			Proposed I	Response	Response Sta	tus <b>W</b>			
Proposed Res		Response Status W				PROP	OSED ACCEP	T IN PRINCIPLE.	See commer	nts 56 & 397		
PROPOSE	ED ACCEPT I	N PRINCIPLE. (see commen	t 56)			value te capabil	o the existing co lities, a table wit	exception to the dee ontent. Further, all th optional and man ely add confusion.	EEE is optic	onal so there are n	no mandatory	

Topic EEE

C/ 113 SC 113.4.2.5 P 134 L 26 # 106	CI 00 SC 0 P L # 117
Lo, William Marvell Semiconductor	Anslow, Pete Ciena
Comment Type TR Comment Status D EEE Figure 113-26 LPI Disable Time There is no text to describe this variable.	Comment Type         ER         Comment Status         D         E           All ocurrences of "ordered_set" have been changed to "ordered set" in 802.3bx draft D3.0         E
Page 115 line 2 references this but does not contain sufficient details. There should at least be some description specifying the PCS behavior when host concurrently exits and re-enters LPI while the LPI disable mechanism is active	SuggestedRemedy Change all instances of "ordered_set" to "ordered set" throughout the draft. Proposed Response Response Status W
SuggestedRemedy	PROPOSED ACCEPT.
Propose deletion of this feature as detailed behavior is not specified. 1) Change LPI Disable Time in Figure 113-26 back to reserved 2) Delete "with the exception that the InfoField consists of a sequence of 128 zeros except when the PHY wishes to signal the link partner to leave LPI mode. " in line 33-34 page 114.	Cl Annex     SC 28D.8     P 28     L 10     # 112       Cibula, Peter     Intel Corporation       Comment Type     E     Comment Status     D     E
3) Delete lines 1, 2, 3 page 115.	Punctuation - The title of the subclause is missing a space.
Proposed Response Response Status W	SuggestedRemedy
PROPOSED ACCEPT IN PRINCIPLE. Task Force to discuss whether to define variable and any other text necessary to fully implement change, or delete feature, which is new to 40GBASE-T.	Change "28D.8Extensions required for Clause 113(40GBASE-T)" to "28D.8 Extensions required for Clause 113(40GBASE-T)", inserting a space between "28D.8" and "Extensions"
	Proposed Response Response Status W
C/ 00         SC 0         P 3         L 1         # 114           Anslow, Pete         Ciena	PROPOSED ACCEPT.
Comment Type E Comment Status D EZ	C/00 SC 0 P1 L 32 # 118
As correctly indicated on Page 1, this will be an amendment to IEEE Std 802.3-201x (the	Anslow, Pete Ciena
outcome of the 802.3bx revision) rather than IEEE Std 802.3-2012.	Comment Type E Comment Status D E
The headers in the draft incorrectly say "Draft Amendment to IEEE Std 802.3-2012"	The copyright year should be "2015" not "201x", "2014", or "2012" as it is in the various parts of the draft
	the draft.
The headers in the draft incorrectly say "Draft Amendment to IEEE Std 802.3-2012"	the draft. SuggestedRemedy
The headers in the draft incorrectly say "Draft Amendment to IEEE Std 802.3-2012" Also, the header for the frontmatter is missing the "P" from "P802.3bq" SuggestedRemedy Change all of the headers to say "Draft Amendment to IEEE Std 802.3-201x" Change the frontmatter headers from:	the draft.
The headers in the draft incorrectly say "Draft Amendment to IEEE Std 802.3-2012" Also, the header for the frontmatter is missing the "P" from "P802.3bq" SuggestedRemedy Change all of the headers to say "Draft Amendment to IEEE Std 802.3-201x"	the draft. SuggestedRemedy Change the variable "copyright_year" to "2015" in one of the Framemaker files, then with that file open, in the left hand pane highlight all of the other files in the book and use File, Import, Formats, Deselect All, Variable definitions, Import. Proposed Response Response Status W
The headers in the draft incorrectly say "Draft Amendment to IEEE Std 802.3-2012" Also, the header for the frontmatter is missing the "P" from "P802.3bq" SuggestedRemedy Change all of the headers to say "Draft Amendment to IEEE Std 802.3-201x" Change the frontmatter headers from: "IEEE 802.3bq 40GBASE-T Task Force" to:	the draft. SuggestedRemedy Change the variable "copyright_year" to "2015" in one of the Framemaker files, then with that file open, in the left hand pane highlight all of the other files in the book and use File, Import, Formats, Deselect All, Variable definitions, Import.

C/ 00 SC 0 P 65	L <b>49</b>	# 113	Cl 45 SC 45.2.1.6 P 38 L 13 # 153
Cibula, Peter Intel Corpora	-	# 113	Anslow, Pete Ciena
Comment Type E Comment Status D Punctuation - double periods/full stops at the end of w Page 65, Line 49 Page 66, Line 36 Page 76, Line 14 Page 76, Line 14 Page 172, Line 1 SuggestedRemedy Change the occurrences of "" at the end of the senter Proposed Response Response Status W	various sentences		Comment Type       E       Comment Status       D       H         The changes to Table 45-7 are not shown correctly.       The base standard (P802.3bx D3.0) has:       10011 x = reserved for future use       10011 x = reserved for future use       100101 = 40GBASE-ER4 PMA/PMD         SuggestedRemedy       Change the draft to show:       10011 x1 = reserved for future use       where the x is in strikethrough and the following 1 is underlined
PROPOSED ACCEPT. C/ 01 SC 1.4 P 20	L 15	# 119	1 0 0 1 1 0 = 40GBASE-T PMA/PMD all underlined 1 0 0 1 0 1 = 40GBASE-ER4 PMA/PMD
Anslow, Pete     Ciena       Comment Type     E     Comment Status     D       Provide the information as to where in 1.4 the various	new definitions s	EZ	in normal font Proposed Response Response Status W PROPOSED ACCEPT.
Change the editing instruction accordingly SuggestedRemedy Change: "1.4.x 40GBASE-T:" to: "1.4.72a 40GBASE-T:" "1.4.x Category 8.1 balanced" to "1.4.131a Catego "1.4.x Category 8.2 balanced" to "1.4.131b Catego Replace the single editing instruction: "Insert the follo alphanumerical order:" to: "Insert the following new definition into the list after 1. "Insert the following new definitions into the list after 1. "Proposed Response Response Status W	vry 8.2 balanced wing new definition. .4.72 40GBASE-S	" ns into the list, in R4:" before 1.4.72a and:	Cl 00       SC 0       P1       L 29       # 252         Grow, Robert       RMG Consulting       MG         Comment Type       E       Comment Status       D         Didn't edit the bracketed text       D       MG       MG         SuggestedRemedy       Replace bracketed text with: for Working Group balloting       Proposed Response       Response Status       W         PROPOSED ACCEPT. Dup of comments 405, 474, 208       MG       MG       MG       MG
PROPOSED ACCEPT.         Cl 00 SC 0 P11         Anslow, Pete       Ciena         Comment Type       E Comment Status D         Amendments to 802.3 are usually ordered with all of the SuggestedRemedy         Move all of the Annexes to be after Clause 113         Proposed Response       Response Status W         PROPOSED ACCEPT.	L 9 the clauses first a	# 115 EZ nd the Annexes second.	C/ 80       SC 80.1.3       P 61       L 11       # 381         Remein, Duane       Huawei Technologies         Comment Type       ER       Comment Status       D       It         No indication that Figure 80-1 is new.       SuggestedRemedy       Add editing instruction before figure: "Replace Figure 80-1 with the following."       Proposed Response       Response Status       W         PROPOSED ACCEPT. Dup of comment 61       Comment 61       Comment 61       Comment 61
TYPE: TR/technical required ER/editorial required GR/g	eneral required. T	/technical E/editorial G/ge	eral Topic EZ Page 16 of 94

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: Topic

C/ 80 SC 80.1.5 P 62 L 16 # <u>382</u>	C/ 113 SC 113.1 P71 L 8 # 384
Remein, Duane Huawei Technologies	Remein, Duane Huawei Technologies
Comment Type ER Comment Status D	EZComment TypeERComment StatusDE
This Editing Instruction is unclear at best and possible misleading: "Insert the following row after 40GBASE-LR4 and rightmost end column to Table 80-2 (exist PHY entries in new column are blank)" Note that the "row after 40GBASE-LR4" is 40GBASE-ER4 NOT 40GBASE-T!	SuggestedRemedy
SuggestedRemedy	Unless you can demonstrate Carrier Sense Multiple Access/Carrier Detect functionality strike this phrase.
Change to read: "Insert a bottom row and rightmost end column to Table 80-2 (existing PHY entries in new column are blank)" Remove unchanged rows in table OR use Mark-up text in table.	Proposed Response Response Status W PROPOSED ACCEPT. Recommend commenter submit maintenance or similar comment to Clause 55 on revision draft
Proposed Response Response Status W	C/ 113 SC 113.3.6.2 P 115 L 20 # 386
PROPOSED ACCEPT IN PRINCIPLE.	Remein, Duane Huawei Technologies
See comment 201	Comment Type ER Comment Status D E
CI 81         SC 81.3.4.2         P 68         L 46         # 383           Remein, Duane         Huawei Technologies	Constants, variables and functions should be using paragraph tag (style) DefinitionList "For the lists of constants, variables, functions, counters, timers, etc. use the Paragraph Tag DefinitionList."
Comment Type ER Comment Status D	EZ SuggestedRemedy
The combination of Editing Instruction and included figure are confusing.	
	Use the proper paragraph styles per the current template.
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault"	
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault" Is the figure changed or not? It doesn't look like it.	Proposed Response Response Status W PROPOSED ACCEPT.
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault" Is the figure changed or not? It doesn't look like it.	Proposed Response Response Status W PROPOSED ACCEPT. Editor to review draft for proper paragraph styles prior to publication.
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault" Is the figure changed or not? It doesn't look like it. SuggestedRemedy	Proposed Response Response Status W PROPOSED ACCEPT. Editor to review draft for proper paragraph styles prior to publication.
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault" Is the figure changed or not? It doesn't look like it. SuggestedRemedy Change Editing Instruction to read: "Change the text of 81.3.4.2 to include Link Interruption under conditions for variable link_fau	Proposed Response       Response Status       W         PROPOSED ACCEPT.       Editor to review draft for proper paragraph styles prior to publication.         ult       Cl 113       SC 113.3.6.2.3       P 117       L 44       # 387
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault" Is the figure changed or not? It doesn't look like it. SuggestedRemedy Change Editing Instruction to read: "Change the text of 81.3.4.2 to include Link Interruption under conditions for variable link_fau as shown." Remove is unchanged Figure 81–11	Proposed Response       Response Status       W         PROPOSED ACCEPT.       Editor to review draft for proper paragraph styles prior to publication.         It       Cl 113 SC 113.3.6.2.3       P 117 L 44 # 387         Remein, Duane       Huawei Technologies
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault" Is the figure changed or not? It doesn't look like it. SuggestedRemedy Change Editing Instruction to read: "Change the text of 81.3.4.2 to include Link Interruption under conditions for variable link_fau as shown." Remove is unchanged Figure 81–11 Proposed Response Response Status W	Proposed Response       Response Status       W         PROPOSED ACCEPT.       Editor to review draft for proper paragraph styles prior to publication.         ult       C/ 113       SC 113.3.6.2.3       P 117       L 44       # 387         Remein, Duane       Huawei Technologies       E         Stray colon:       "Ifer_timer:"       E
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault" Is the figure changed or not? It doesn't look like it. SuggestedRemedy Change Editing Instruction to read: "Change the text of 81.3.4.2 to include Link Interruption under conditions for variable link_fau as shown." Remove is unchanged Figure 81–11 Proposed Response Response Status W	Proposed Response       Response Status       W         PROPOSED ACCEPT.       Editor to review draft for proper paragraph styles prior to publication.         uit       C/ 113       SC 113.3.6.2.3       P 117       L 44       # 387         Remein, Duane       Huawei Technologies         Comment Type       ER       Comment Status       D       E         Stray colon:       "Ifer_timer:"       ^       This appears to be a common error through the draft; some counters have the colon some do
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault" Is the figure changed or not? It doesn't look like it. SuggestedRemedy Change Editing Instruction to read: "Change the text of 81.3.4.2 to include Link Interruption under conditions for variable link_fau as shown." Remove is unchanged Figure 81–11 Proposed Response Response Status W	Proposed Response       Response Status       W         PROPOSED ACCEPT.       Editor to review draft for proper paragraph styles prior to publication.         ult       C/ 113       SC 113.3.6.2.3       P 117       L 44       # 387         Remein, Duane       Huawei Technologies       Comment Type       ER       Comment Status       D       E         Stray colon:       "Ifer_timer:"       ^       This appears to be a common error through the draft; some counters have the colon some do not.       This dual to be a common error through the draft; some counters have the colon some do not.
"Change 81.3.4.2 State Diagram to include Link Interruption under conditions for variable link_fault" Is the figure changed or not? It doesn't look like it. SuggestedRemedy Change Editing Instruction to read: "Change the text of 81.3.4.2 to include Link Interruption under conditions for variable link_fau as shown." Remove is unchanged Figure 81–11 Proposed Response Response Status W	Proposed Response       Response Status       W         PROPOSED ACCEPT.       Editor to review draft for proper paragraph styles prior to publication.         ult       Cl 113       SC 113.3.6.2.3       P 117       L 44       # 387         Remein, Duane       Huawei Technologies       Comment Type       ER       Comment Status       D       E         Stray colon:       "Ifer_timer:"       ^

C/ 00 SC 0	P 1	L <b>54</b>	# 388		C/ 45 SC 45.2.1.78		L 16	# 163	
Remein, Duane	Huawei Techr	nologies			Anslow, Pete	Ciena			
Comment Type ER Copyright date is not 20 SuggestedRemedy	Comment Status D			EZ	Comment Type E The title of Table 45-58 definitions" so the "defi	Comment Status D B in the base standard is: "100 nitions" has got lost	GBASE-T skew de	elay register bit	EZ
Change to 2015					SuggestedRemedy				
Proposed Response	Response Status W					mal font to the end of the title	for Table 45-58		
PROPOSED ACCEPT	. Dup of comment 118				Proposed Response PROPOSED ACCEPT	Response Status W			
C/ 45 SC 45.2.1.12 Anslow, Pete	2.10 P 40 Ciena	L 1	# 158		C/ 45 SC 45.2.1.6	P 38	L <b>48</b>	# 154	
Comment Type E	Comment Status D			EZ	Anslow, Pete	Ciena			
re-numbering clauses is	Imber of simultaneous amendr s a bad idea. struction that uses underline or	-		ne time		Comment Status D 7 is "aR/W = Read/Write, RC	D = Read only" no	ot as shown.	EZ
					SuggestedRemedy				
Suggesteurterneuy									
Change the editing inst					Change footnote a to: "aR/W = Read/Write, F	RO = Read only"			
Change the editing instr "Insert 45.2.1.12.9a afte	er 45.2.1.12.9 as follows:"	nange it to be 45.	2.1.12.9a			RO = Read only" <i>Response Status</i> <b>W</b>			
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"Insert 45.2.1.12.9a afte Remove the underline fr Proposed Response	er 45.2.1.12.9 as follows:" rom the new subclause and ch <i>Response Status</i> <b>W</b>	hange it to be 45.			"aR/W = Read/Write, F Proposed Response PROPOSED ACCEPT	Response Status W	L 53	# 155	
Change the editing inst "Insert 45.2.1.12.9a afte Remove the underline for Proposed Response PROPOSED ACCEPT	er 45.2.1.12.9 as follows:" rom the new subclause and ch <i>Response Status</i> <b>W</b>	L <b>42</b>	2.1.12.9a # <u>391</u>		"aR/W = Read/Write, F Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.7. Anslow, Pete Comment Type E	Response Status W 4 P 38 Ciena Comment Status D			EZ
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Change the editing instr "Insert 45.2.1.12.9a after Remove the underline for PROPOSED ACCEPT C/ 30 SC 30.3.2.1 Remein, Duane Comment Type E Subclause reference in "Change text of 30.3.2." Similar problem in "Change SuggestedRemedy Change instructions to: "Change text of 30.3.2."	er 45.2.1.12.9 as follows:" rom the new subclause and ch <i>Response Status</i> <b>W</b> <i>P</i> <b>31</b> Huawei Techr <i>Comment Status</i> <b>D</b> editors instruction is incorrect: 1.2a include 40GBASE-T." ange text of 30.3.2.1.3a include	L 42 nologies : • 40GBASE-T." shown"		EZ	"aR/W = Read/Write, F Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.7. Anslow, Pete Comment Type E The editing instructions the new rows are to be Also, the only editing in SuggestedRemedy Change the editing instr "Insert a row for 40GB/ (unchanged rows not s "Insert a row for 40GB/	Response Status W 4 P 38 Ciena Comment Status D is for Table 45-9, Table 45-10 inserted should be included. Istruction that uses underline of tructions to: ASE-T below the row for 40GI hown):" ASE-T below the row for 40GI hown):"	, and Table 45-12 or strikethrough fo BASE-FR in Tabl BASE-FR in Tabl	2 are unclear. The p ont is "Change" le 45-9 as follows le 45-10 as follows	
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Change the editing insti "Insert 45.2.1.12.9a after Remove the underline for PROPOSED ACCEPT CI 30 SC 30.3.2.1 Remein, Duane Comment Type E Subclause reference in "Change text of 30.3.2." Similar problem in "Change text of 30.3.2." Similar problem in "Change text of 30.3.2." Change text of 30.3.2." Change text of 30.3.2." "Change text of 30.3.2."	er 45.2.1.12.9 as follows:" rom the new subclause and ch <i>Response Status</i> <b>W</b> <i>P</i> <b>31</b> Huawei Techr <i>Comment Status</i> <b>D</b> editors instruction is incorrect: 1.2a include 40GBASE-T." Inge text of 30.3.2.1.3a include 1.2 to include 40GBASE-T as <i>Response Status</i> <b>W</b>	L 42 nologies : • 40GBASE-T." shown"		EZ	"aR/W = Read/Write, F Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.7. Anslow, Pete Comment Type E The editing instructions the new rows are to be Also, the only editing ins SuggestedRemedy Change the editing inst "Insert a row for 40GB/ (unchanged rows not s "Insert a row for 40GB/ (unchanged rows not s "Insert a row for 40GB/ (unchanged rows not s "Insert a row for 40GB/	Response Status W 4 P 38 Ciena Comment Status D s for Table 45-9, Table 45-10 inserted should be included. istruction that uses underline of tructions to: ASE-T below the row for 40GI hown):" ASE-T below the row for 40GI hown):"	, and Table 45-12 or strikethrough fo BASE-FR in Tabl BASE-FR in Tabl	2 are unclear. The p ont is "Change" le 45-9 as follows le 45-10 as follows	

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: Topic

C/ 45 SC 45.2.1.8.1 P 39 L 23 # 156	C/ 45 SC 45.2.1.62.1 P 40 L 15 # 160
Anslow, Pete Ciena	Anslow, Pete Ciena
Comment Type E Comment Status D EZ	Comment Type E Comment Status D E
The draft includes a heading for 45.2.1.8.1 above the editing instruction for Table 45-12. However, this table is in 45.2.1.8 and not 45.2.1.8.1, so the heading is not required. SuggestedRemedy	Editing instructions usually use the term "paragraph" only when particular paragraphs are being modified. Same issue for 45.2.1.64, 45.2.1.66, 45.2.1.67, 45.2.3.1.2, 45.2.3.13, 45.2.3.13.1, 45.2.3.13.4, 45.2.3.13.5, 45.2.3.14.1, 45.2.3.14.2, 45.2.3.14.3, 45.2.7.10, 45.2.7.11.1, 45.2.7.11.2
Remove the heading for 45.2.1.8.1	SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT.	Change the editing instruction for 45.2.1.62.1 to: "Change text of 45.2.1.62.1 to include 40GBASE-T."
C/         45         SC         45.2.1.12         P 39         L 37         # 157           Anslow, Pete         Ciena	Likewise, change "paragraph" to "text" in the editing instructions for 45.2.1.64, 45.2.1.66, 45.2.1.67, 45.2.3.1.2, 45.2.3.13, 45.2.3.13.1, 45.2.3.13.4, 45.2.3.13.5, 45.2.3.14.1, 45.2.3.14.2 45.2.3.14.3, 45.2.7.10, 45.2.7.11.1, 45.2.7.11.2
Comment Type         E         Comment Status         D         EZ           The editing instruction is: "Change and insert rows in Table 45–16 as appropriate." but there is no inserted row         EZ         EZ	Proposed Response Response Status W PROPOSED ACCEPT.
SuggestedRemedy Change the editing instruction to: "Change the row for 1.13.6 in Table 45–16 as follows (unchanged rows not shown):" Proposed Response Response Status W	C/       45       SC       45.2.1.62.1       P 40       L 26       # 161         Anslow, Pete       Ciena       Ciena       E       Comment Status       D       E         Comment Type       E       Comment Status       D       E       E         The editing instruction is "Change title and rows and insert row in Table 45–54 as appropriate."       E
PROPOSED ACCEPT.         Cl 45       SC 45.2.1.62       P 40       L 13       # 159         Anslow, Pete       Ciena         Comment Type       E       Comment Status       D       EZ         This is showing a change from:       "The assignments of in the 10GBASE-T status register is shown in Table 45–54."	The table shows only one of the two rows of Table 45-54 and this is the same as in the base standard. The title in the base standard is "10GBASE-T status register bit definitions", so the underlined space between "10G/40GBASE-T" and "status" is not correct. SuggestedRemedy Change the editing instruction to:
to: "The assignments of bits in the 10G/40GBASE-T status registers are shown in Table 45–54." However, the change to "registers are" is not appropriate as there is still only one register. Same issue in 45.2.1.65, 45.2.7.10 (without change being shown in underline), 45.2.7.11.	"Change the title of Table 45–54 as follows:" Leave the title with changemarks and remove the body of the table. Remove the underline from the space between "10G/40GBASE-T" and "status" Proposed Response Response Status W
SuggestedRemedy Leave the text as "register is" in 45.2.1.62, 45.2.1.65, 45.2.7.10, and 45.2.7.11 Also, leave as "All the bits in the 10G/40GBASE-T AN status register are read only" in 45.2.7.11	PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "registers" to "register" as in comment. Verb remains "are" because subject of sentence is not "register", but is "assignments" (assignments ARE shown).	

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: Topic

C/ 45 SC 45.2.1.64. Anslow, Pete	1 <i>P</i> <b>41</b> Ciena	L 13	# 162		C/ <b>113</b> Anslow, Pe	SC 113.: te	3.2.2.8	<i>P</i> <b>96</b> Ciena	L 33	# 126
Comment Type E	Comment Status <b>D</b> defined in 113.4.2.5and"			EZ	Comment 7 The no "40Gbp "zeroes (See ht "Transi	Type E te is not forr os" should b s" should be ttp://www.iee mission" sho alignment" s	natted cor e "40 Gb/ "zeros" ee802.org/ puld be "tr	Comment Status D	uirements/words.	html)
<i>Cl</i> <b>45</b> <i>SC</i> <b>45.2.1.62.</b> Remein, Duane	1 P 40 Huawei Techno	L 18 blogies	# 389		Change	e "Note: " to he paragrap		-" where "—" is an em da ote" (9 pt font).	sh (Ctrl-q Shft-q)	
Comment Type <b>T</b> Disagreement in bit desig Header: 45.2.1.62.1 " ( Text" "bit 1.129.1" Table 45-54 "1.129.0"				EZ	"For 40 "For 40 Change <i>Proposed F</i>	)Gbps Trans ) Gb/s trans e "zeroes" to	mission, 6 "zeros" <i>R</i> e	64 bit alignment" to: 4-bit alignment" esponse Status W		
SuggestedRemedy Change text to "1.129.0"	so it agrees with header and ta	able.			C/ 45	SC 45.2	1	P 37	L 17	# 150
Proposed Response	Response Status W				Anslow, Pe	te		Ciena		
PROPOSED ACCEPT.					Comment 7	Гуре Т	C	Comment Status D		I
Cl 45 SC 45.2.7 Anslow, Pete Comment Type E	P 47 Ciena Comment Status D	L <b>37</b>	# 175	EZ	cross-r Also, th	eferences. ne subclaus 83 should b	e numbers	clause" column of Table 4 s for register 1.134 throug 7 to 45.2.1.79, respective	gh to the end are	
Also, the entries in the su	r Table 45-200 is unclear. ubclause column need fixing							"Subclause" column of T ers for register 1.134 thro		eferences.
	ws in Table 45–200 as follows est green text from the row for		ows not shown):"		Proposed F		R	esponse Status W		
Proposed Response PROPOSED ACCEPT.	Response Status W									

C/ <b>45</b> Anslow, Pet	SC <b>45.2.3</b>	P <b>42</b> Ciena	L <b>44</b>	# 164		Cl <b>45</b> Anslow, P	SC 45.2.3.1.2 ete	P <b>43</b> Ciena	L <b>7</b>	# 166	
Comment T		Comment Status D			ΕZ	Comment		Comment Status D			ΕZ
		r Table 45-119 is unclear.			LL		EEE Editorial Style				
SuggestedF	2	ation to					series of three or m nction (usually and	nore terms, use a comma imn , or, or nor)."	nediately before t	he coordinating	
	•	isters 3.32 and 3.33 in Table	45–119 as follow	vs (unchanged rows	s not		equently, " the 40 comma after "10G	)GBASE-T, 10GBASE-T or t BASE-T"	he 10GBASE-R	mode" should have	an
Proposed F	Response	Response Status W				Suggestee	dRemedy				
PROPO	OSED ACCEPT.					Chang					
C/ <b>45</b> Anslow, Pet	SC <b>45.2.3</b> e	P <b>42</b> Ciena	L <b>50</b>	# 165		" the		GBASE-T or the 10GBASE-F GBASE-T, or the 10GBASE- n underline font.			
Comment T		Comment Status D			ΕZ	Proposed	Response	Response Status W			
	51	"Subclause" column of Table	45-119 are in fo	prest areen but they		PROF	POSED ACCEPT.				
should	be cross-referenc	es.		···· g. · · · · · · · · · · · · · · · ·		CI <b>45</b>	SC 45.2.3.7	P <b>43</b>	L <b>29</b>	# 167	
,	e subclause num r 3.32 is defined i	bers are incorrect. n 45 2 3 13				Anslow, P		Ciena	L <b>Z</b> 3	# 107	
	r 3.33 is defined i					Comment		Comment Status D			ΕZ
SuggestedF	Remedy							appears just above Table 45	5-123 but Table	45-123 (related to the	EZ
		in the "Subclause" column of -	Table 45-119 cr	oss-references to th	ne		control 2 register) i		120, 541 14510		
	subclause numbe					Suggestee	dRemedy				
Proposed F PROP(	SED ACCEPT.	Response Status W				45.2.3	the heading: 3.6 PCS control 2 r nove Table 45-123	register (Register 3.7) to be below the new heading	, leaving Table 4	5-124 in 45.2.3.7	
						Proposed	Response	Response Status W	-		
						PROF	POSED ACCEPT.				
						C/ 45	SC 45.2.3.7	P 43	L <b>49</b>	# 168	
						Anslow, P	ete	Ciena			
						Comment	Type E	Comment Status D			ΕZ
						The e	diting instruction for	or Table 45-124 is unclear.			
						Suggestee	dRemedy				
						"Char as foll	lows (unchanged r	eserved row in Table 45–124			
						Proposed	Response	Response Status W			
						•	,				

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

CI <b>45</b>	SC 45.2.3.7	P <b>43</b>	L 51	# 169	C/ <b>45</b>	SC 45.2.3.1	3 P 45	L 1	# 172	
Anslow, Pete		Ciena			Anslow,	Pete	Ciena			
Comment Typ	pe E	Comment Status D			EZ Comme	nt Type E	Comment Status D			EZ
Correctly body.	formatted tables	s do not allow the table title to	be on a different	page from the table		editing instruction b, the table title has	for Table 45-128 is unclear. been changed			
SuggestedRe	emedy				Sugges	tedRemedy				
		ble format (in the Table Design se for all Clause 45 tables.	ner pod, set "Title	e" to "Above Table").		inge the editing ins ange the title and io	truction to: dentified rows in Table 45–128	3 as follows (unc	hanged rows not she	own):"
Proposed Re PROPOS	esponse SED ACCEPT.	Response Status W			,	ed Response DPOSED ACCEPT	Response Status W			
C/ <b>45</b>	SC 45.2.3.7.6	P <b>44</b>	L 10	# 170	C/ <b>45</b>	SC 45	P 37	L <b>3</b>	# 148	
Anslow, Pete		Ciena			Anslow,	Pete	Ciena			
Comment Typ	pe E	Comment Status D			EZ Comme	nt Type E	Comment Status D			EZ
Because	of the large num	nber of simultaneous amendn	nents being done	to 802.3 at any one t	time This	s editor's note from	the 802.3 template should not	t have been inclu	ded in the draft.	
Decause	or the large hun									
re-numbe Also, the	ering clauses is only editing inst		-		Sugges	<i>tedRemedy</i> nove the editor's no	te.			
re-numbe Also, the S <i>uggestedRe</i>	ering clauses is only editing inst emedy	a bad idea. truction that uses underline or	-		Sugges Rer	nove the editor's no				
re-numbe Also, the SuggestedRe Change tl "Insert 45	ering clauses is only editing inst emedy the editing instru 5.2.3.7.5a after 4	a bad idea. truction that uses underline or uction to: 45.2.3.7.5 as follows:"	r strikethrough for	nt is "Change"	Sugges Rer Propose	,	Response Status W			
re-numbe Also, the SuggestedRe Change tl "Insert 45	ering clauses is only editing inst emedy the editing instru 5.2.3.7.5a after 4 the underline fro	a bad idea. truction that uses underline or uction to: 45.2.3.7.5 as follows:" om the new subclause and ch	r strikethrough for	nt is "Change"	Sugges Rer Propose	nove the editor's no	Response Status W	L 20	# 174	
re-numbe Also, the SuggestedRe Change ti "Insert 45 Remove t Proposed Re	ering clauses is only editing inst emedy the editing instru 5.2.3.7.5a after 4 the underline fro	a bad idea. truction that uses underline or uction to: 45.2.3.7.5 as follows:"	r strikethrough for	nt is "Change"	Sugges Rer Propose PR	nove the editor's no ed Response DPOSED ACCEPT SC <b>45.2.3.1</b> 4	Response Status W	L 20	# 174	
re-numbe Also, the SuggestedRe Change ti "Insert 45 Remove t Proposed Re PROPOS	ering clauses is only editing inst emedy the editing instru 5.2.3.7.5a after 4 the underline fro esponse SED ACCEPT.	a bad idea. truction that uses underline or uction to: 45.2.3.7.5 as follows:" om the new subclause and ch <i>Response Status</i> <b>W</b>	ange it to be 45.2	nt is "Change" 2.3.7.5a	Sugges Rer Propose PR CI <b>45</b>	nove the editor's no ed Response DPOSED ACCEPT SC <b>45.2.3.1</b> Pete	Response Status W	L <b>20</b>	# 174	EZ
re-numbe Also, the SuggestedRe Change ti "Insert 45 Remove t Proposed Re PROPOS	ering clauses is only editing inst emedy the editing instruction 5.2.3.7.5a after 4 the underline from sponse SED ACCEPT. SC <b>45.2.3.9</b>	a bad idea. truction that uses underline or uction to: 45.2.3.7.5 as follows:" om the new subclause and ch	r strikethrough for	nt is "Change"	Sugges Rer Propose PRe Cl 45 Anslow, Comme The	nove the editor's no ed Response DPOSED ACCEPT SC 45.2.3.14 Pete Int Type E editing instruction	Response Status W 4 P 46 Ciena	-	# 174	EZ
re-numbe Also, the SuggestedRe Change ti "Insert 45 Remove t Proposed Re PROPOS CI 45	ering clauses is only editing inst emedy the editing instru- 5.2.3.7.5a after 4 the underline fro esponse SED ACCEPT. SC <b>45.2.3.9</b>	a bad idea. truction that uses underline or uction to: 45.2.3.7.5 as follows:" om the new subclause and ch <i>Response Status</i> <b>W</b> <i>P</i> 44	ange it to be 45.2	nt is "Change" 2.3.7.5a	Sugges Rer Propose PR CI 45 Anslow, Comme The Also	nove the editor's no ed Response DPOSED ACCEPT SC 45.2.3.14 Pete Int Type E editing instruction	Response Status W 4 P 46 Ciena Comment Status D for Table 45-129 is unclear.	-	# 174	EZ
re-numbe Also, the SuggestedRe Change ti "Insert 45 Remove t Proposed Re PROPOS CI 45 Anslow, Pete Comment Typ The editir	ering clauses is only editing inst emedy the editing instru 5.2.3.7.5a after 4 the underline fro esponse SED ACCEPT. SC 45.2.3.9 pe E ng instruction fo	a bad idea. truction that uses underline or uction to: 45.2.3.7.5 as follows:" om the new subclause and ch <i>Response Status</i> <b>W</b> <i>P</i> 44 Ciena	ange it to be 45.2	nt is "Change" 2.3.7.5a	Sugges Rer Propose Cl 45 Anslow, Comme EZ Sugges Cha "Ch	nove the editor's no ed Response DPOSED ACCEPT SC 45.2.3.14 Pete Int Type E rediting instruction b, the insertion in the tedRemedy ange the editing insi ange the title and id	Response Status W Response Status W A P 46 Ciena Comment Status D for Table 45-129 is unclear. truction to: truction to: dentified rows in Table 45–129	erlined		
re-numbe Also, the SuggestedRe Change ti "Insert 45 Remove t Proposed Re PROPOS CI 45 Anslow, Pete Comment Typ The editir	ering clauses is only editing inst emedy the editing instru- 5.2.3.7.5a after 4 the underline fro esponse SED ACCEPT. SC 45.2.3.9 pe E ng instruction fo and "RO" are no	a bad idea. truction that uses underline or uction to: 45.2.3.7.5 as follows:" om the new subclause and ch <i>Response Status</i> <b>W</b> <i>P</i> 44 Ciena <i>Comment Status</i> <b>D</b> or Table 45-125 is unclear.	ange it to be 45.2	nt is "Change" 2.3.7.5a	Sugges Rer Propose CI 45 Anslow, Comme The Also EZ Sugges Cha "Ch sho	nove the editor's no ad Response DPOSED ACCEPT SC 45.2.3.14 Pete nt Type E editing instruction b, the insertion in the fedRemedy ange the editing insi ange the title and ic w "/40G" in the tab	Response Status W Response Status W A P 46 Ciena Comment Status D for Table 45-129 is unclear. It table title has not been under truction to: dentified rows in Table 45–128 le title in underline font.	erlined		
re-numbe Also, the SuggestedRe Change ti "Insert 45 Remove t Proposed Re PROPOS CI 45 Anslow, Pete Comment Typ The editir "3.20.7" a SuggestedRe Change ti	ering clauses is only editing inst emedy the editing instru- 5.2.3.7.5a after 4 the underline fro esponse SED ACCEPT. SC 45.2.3.9 pe E ng instruction fo and "RO" are no emedy the editing instru- the identified re	a bad idea. truction that uses underline or 45.2.3.7.5 as follows:" om the new subclause and ch <i>Response Status</i> <b>W</b> <i>P</i> 44 Ciena <i>Comment Status</i> <b>D</b> or Table 45-125 is unclear. ot changed, so should not be t	ange it to be 45.2	nt is "Change" 2.3.7.5a # <u>171</u>	Sugges Rer Propose CI 45 Anslow, Comme The Also EZ Sugges Cha "Ch sho Propose	nove the editor's no ed Response DPOSED ACCEPT SC 45.2.3.14 Pete Int Type E rediting instruction b, the insertion in the tedRemedy ange the editing insi ange the title and id	Response Status W Response Status W A P 46 Ciena Comment Status D for Table 45-129 is unclear. truction to: dentified rows in Table 45–129 le title in underline font. Response Status W	erlined		
re-numbe Also, the SuggestedRe Change ti "Insert 45 Remove t Proposed Re PROPOS CI 45 Anslow, Pete Comment Typ The editir "3.20.7" a SuggestedRe Change ti	ering clauses is only editing inst emedy the editing instru- 5.2.3.7.5a after 4 the underline fro esponse SED ACCEPT. SC 45.2.3.9 pe E ng instruction fo and "RO" are no emedy the editing instru- the identified re the underline fro	a bad idea. truction that uses underline or uction to: 45.2.3.7.5 as follows:" om the new subclause and ch <i>Response Status</i> <b>W</b>	ange it to be 45.2	nt is "Change" 2.3.7.5a # <u>171</u>	Sugges Rer Propose CI 45 Anslow, Comme The Also EZ Sugges Cha "Ch sho Propose	nove the editor's no ed Response DPOSED ACCEPT SC 45.2.3.14 Pete Int Type E editing instruction b, the insertion in the redRemedy inge the editing insi ange the editing insi ange the title and id w "/40G" in the tab ed Response	Response Status W Response Status W A P 46 Ciena Comment Status D for Table 45-129 is unclear. truction to: dentified rows in Table 45–129 le title in underline font. Response Status W	erlined		

A	SC 30.3.2.1.2	P <b>32</b>	L 9	# 147			SC 45.2.7.10.4	P 48	L <b>30</b>	# 177	
Anslow, Pet		Ciena				slow, Pete		Ciena			
should	ral of the changed s be cross-reference	Comment Status D subclauses in Clause 30 the s	ere is text shown	in forest green which	EZ Col	re-number	e E Com of the large number of s ring clauses is a bad id 2.7.10.3" should be "aft	ea.	Iments being done	e to 802.3 at any one	EZ time
page 32 page 32	ne following cross-r 2, line 9 "Clause 55 2, line 49 "Clause 5	" 5"				The new s "Bit 7.32.1 The new s	subclause titles should be an subclause titles should 1 is to be used" is in subclause for bit 7.32.3 only editing instruction	match the name in appropriate wording goes immediately b	g. below that for bit 7		
	3, line 29 "Clause 4 3, line 30 "45.2.1.66				Su	ıggestedRer	nedy				
page 33 page 34 page 34 page 34 page 34 page 34 page 34 page 35 page 35	3, line 43 "Clause 4 3, line 44 "45.2.1.67 4, line 2 "Clause 45 4, line 3 "45.2.1.68" 4, line 15 "Clause 4 4, line 16 "45.2.1.68 4, line 29 "45.2.1.75 5, line 42 "45.2.1.75 5, line 16 "Annex 28 5, line 16 "Annex 28	7" " 5" ).2" ).1" BB"				"Insert 45. Remove th Change th "45.2.7.10 Change "" Delete the "Insert new Change th	the first editing instruction 2.7.10.4a and 45.2.7.1 the underline from the n the first new subclause to 4.4a 40GBASE-T ability Bit 7.32.11 is to be use editing instruction: w paragraph after 45.2. the second new subclau 0.4b 40GBASE-T Fast	0.4a after 45.2.7.10 ew subclauses. itle to be: / (7.32.11)" ed" to ""Bit 7.32. 7.10.6 and re-numb se title to be:	I1 is used" ber remaining clau	ses accordingly."	
	5, line 18 "Annex 28				Pro	oposed Res	ponse Respo	onse Status W			
	5, line 20 "Annex 28 5, line 30 "Clause 5					PROPOS	ED ACCEPT.				
	5, line 47 "Clause 2	8"			CI	45	SC 45.2.7.10.6	P 48	L 46	# 178	
Proposed F		Response Status W				slow, Pete		Ciena	- +0	" 170	
PROPO	DSED ACCEPT.				Co	omment Typ	e E Com	ment Status D			ΕZ
C/ <b>45</b> Anslow, Pet	SC <b>45.2.7.10</b> e	P <b>48</b> Ciena	L <b>9</b>	# 176		Because c	of the large number of s ring clauses is a bad id		Iments being done	e to 802.3 at any one	time
Comment T	vpe E	Comment Status D			EZ Su	ıggestedRer	nedy				
Also, th	e text in the reserve	Table 45-207 is unclear. ed row has been changed in	802.3bx D3.0			"Change t	e editing instruction to: he title of 45.2.7.10.6 a 7.10.6" to the beginnin	s follows:"	е.		
SuggestedF					Pro	oposed Res	-	onse Status W			
"Chang 7.32.11 not sho Delete '	and 7.32.3 above a wn):" ', writes ignored" fr	tion to: and the row for 7.32.1 in Ta and below the reserved row, om the reserved row. h the two new rows (insert ed	, respectively as	follows (unchanged ro			ED ACCEPT.				
Remove		Response Status W	-								
Remove Proposed R	esponse										

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

CI 45 SC	C 45.2.7.11	P <b>49</b>	L <b>20</b>	# 179		C/ <b>45</b>	SC 45.2.7.11	.9 <i>P</i> 50	L <b>7</b>	# 183
Anslow, Pete		Ciena				Anslow, Pe		Ciena	•	
underlined.	Also, ", writes	Comment Status <b>D</b> Table 45-208, "7.33.0" and ' s ignored" has been removed		nanged, so should no	<i>EZ</i> ot be	Becau	3.0 should come	Comment Status <b>D</b> after bit 7.33.1 in the draft. mber of simultaneous amendu	ments being done	EZ e to 802.3 at any one time
	e underline from strikethtough onse	n "7.33.0" and "RO" text ", writes ignored" <i>Response Status</i> <b>W</b>				Suggested Chang "Insert Remov	Remedy the editing instr 45.2.7.11.9 after ve the underline fr			ing instruction and
Cl 45 SC Anslow, Pete	C 45.2.7.11.1	P <b>49</b> Ciena	L <b>34</b>	# 180		Proposed PROP	•	Response Status W See comment 32		
Comment Type "for 40GBAS	<b>E</b> SE-T in conta	Comment Status <b>D</b> ined" should be "for 40GBAS	E-T is contained	l"	ΕZ	C/ <b>81</b> Brown, Ma	SC 81.1 tt	<i>Р</i> <b>65</b> АРМ	L <b>33</b>	# 489
Proposed Respo	onse	in contained" to "for 40GBAS Response Status W Dup of comment 433	SE-T is containe	d"		of 1x.	pacing between s	s are not visible as it appears l tacks is not equal.	line line spacing v	was change to 3x instead
C/ 45 SC Anslow, Pete	C 45.2.7.11.2	<i>P</i> <b>49</b> Ciena	L <b>49</b>	# 181		Fix not	te spacing.	ch of the PHY stacks such that	at they appear eq	ual.
Comment Type The text of 4	<b>E</b> 15.2.7.11.2 is	Comment Status D truncated			EZ	Proposed PROP	Response OSED ACCEPT.	Response Status W		
SuggestedReme	edy					LATE	COMMENT - TA	SK FORCE TO VOTE ON C	ONSIDERING	
Reinstate the Proposed Response PROPOSE		f the text Response Status W				Suggested Chang	Type E us "." at the start <i>Remedy</i> le ".This" to "This	Ciena Comment Status D of the text.	L <b>29</b>	# [ <u>185</u> EZ
						Proposed PROP	,	Response Status W Dup of comments 34, 101		

Cl 45 SC 45.2.7.13 Anslow, Pete	P <b>51</b> Ciena	L <b>1</b>	# 186		Cl 28 SC Anslow, Pete	28.5	P <b>23</b> Ciena	L <b>28</b>	# 136	
Comment Type E The editing instruction for	Comment Status D	n 802.3bx D3.0			Comment Type Editing instru It is usual to	show the h	Comment Status <b>D</b> s not say where the new row is neading row of tables being cha	anged.		EZ
Delete <sup>"</sup> , writes ignored" i Proposed Response PROPOSED ACCEPT.	9.9 in Table 45–210 as follow in strikethrough font from the Response Status <b>W</b>	e reserved row.			SuggestedReme Change the "Insert a row Show the he Remove the Proposed Respo	edy editing inst for *40G a ading row f underline f	at the end of the table in 28.5.3 for the table. from the new row. <i>Response Status</i> <b>W</b>	Ū	C C	nown):"
Cl 45 SC 45.2.7.13.1 Anslow, Pete Comment Type E	IO P 51 Ciena Comment Status D	L 70	# 187	<b>F7</b>	-	<b>1.5</b>	<i>P</i> <b>20</b> Ciena	L 40	# 121	
re-numbering clauses is a	nber of simultaneous amend a bad idea. cribed after bit 7.60.10 (45.2	C C	e to 802.3 at any one	time	Anslow, Pete Comment Type Either includ	E le some abl	Comment Status <b>D</b> breviations to be added to 1.5	or remove it from	the draft	EZ
SuggestedRemedy					SuggestedReme	edy				
	45.2.7.13.4 as follows:" om the new subclause and cl	hange it to be 45.	2.7.13.4a		ABBR expar [abbreviation	le some ab nded versio ns use para	breviations to be added to 1.5 a n graph tag AcrList,ac] draft entirely	and remove:		
"Insert 45.2.7.13.4a after Remove the underline fro Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.9.8 Anslow, Pete	45.2.7.13.4 as follows:" om the new subclause and cl Response Status W P 44 Ciena	hange it to be 45.	2.7.13.4a # <u>173</u>		ABBR expar [abbreviation or remove 1. Proposed Respondence PROPOSED Add abbrevia	le some abl nded versio as use para 5 from the onse D ACCEPT ation to 1.5 huation to C	n graph tag AcrList,ac] draft entirely <i>Response Status</i> <b>W</b> IN PRINCIPLE. : Crosstalk Ratio - Far End	and remove:		
"Insert 45.2.7.13.4a after Remove the underline fro Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.9.8 Anslow, Pete Comment Type E Because of the large num re-numbering clauses is a	A5.2.7.13.4 as follows:" om the new subclause and cl Response Status W P 44 Ciena Comment Status D nber of simultaneous amend	L 33	# 173 e to 802.3 at any one	<i>EZ</i> time	ABBR expar [abbreviation or remove 1. Proposed Respond PROPOSED Add abbrevia ACRF Atter Delete ABBF C/ 113 SC Anslow, Pete	le some ab inded versions is use para 5 from the D ACCEPT ation to 1.5 nuation to 0 R abbreviat	n graph tag AcrList,ac] draft entirely <i>Response Status</i> <b>W</b> TIN PRINCIPLE. : Crosstalk Ratio - Far End ion. <i>P</i> <b>71</b> Ciena	L 24	# [122	EZ
"Insert 45.2.7.13.4a after Remove the underline fro Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.9.8 Anslow, Pete Comment Type E Because of the large num re-numbering clauses is a Also, the only editing instr SuggestedRemedy Change the editing instru "Insert 45.2.3.9.7a after 4	45.2.7.13.4 as follows:" om the new subclause and cl <i>Response Status</i> <b>W</b> <i>P</i> 44 Ciena <i>Comment Status</i> <b>D</b> mber of simultaneous amend a bad idea. ruction that uses underline controls totion to: 45.2.3.9.7 as follows:"	L 33 ments being done	# 173 e to 802.3 at any one ont is "Change"	<i>EZ</i> time	ABBR expar [abbreviation or remove 1. Proposed Respond PROPOSED Add abbrevia ACRF Atter Delete ABBR C/ 113 SC Anslow, Pete Comment Type There are more	le some ab inded versions is use para 5 from the D ACCEPT ation to 1.5 nuation to 0 R abbreviat 2 113 E any pieces for example	n graph tag AcrList,ac] draft entirely <i>Response Status</i> <b>W</b> <sup>1</sup> IN PRINCIPLE. Crosstalk Ratio - Far End ion. <i>P</i> <b>71</b> Ciena <i>Comment Status</i> <b>D</b> of text in Clause 113 that are so of text in Clause 78" (2 instances) and	L 24	should be cross-	EZ
"Insert 45.2.7.13.4a after Remove the underline fro Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.9.8 Anslow, Pete Comment Type E Because of the large num re-numbering clauses is a Also, the only editing instr SuggestedRemedy Change the editing instru "Insert 45.2.3.9.7a after 4	45.2.7.13.4 as follows:" om the new subclause and cl <i>Response Status</i> <b>W</b> <i>P</i> 44 Ciena <i>Comment Status</i> <b>D</b> nber of simultaneous amend a bad idea. ruction that uses underline control	L 33 ments being done	# 173 e to 802.3 at any one ont is "Change"	EZ time	ABBR expar [abbreviation or remove 1. Proposed Respond PROPOSED Add abbrevia ACRF Atter Delete ABBR C/ 113 SC Anslow, Pete Comment Type There are mon references (fingreen items SuggestedRement	le some ab inded version is use para 5 from the onse D ACCEPT ation to 1.5 uation to C R abbreviat C 113 E any pieces for example on page 73 ady	n graph tag AcrList,ac] draft entirely <i>Response Status</i> <b>W</b> <sup>1</sup> IN PRINCIPLE. Crosstalk Ratio - Far End ion. <i>P</i> <b>71</b> Ciena <i>Comment Status</i> <b>D</b> of text in Clause 113 that are so of text in Clause 78" (2 instances) and	L 24 shown green that d "Clause 28" on	should be cross- page 71 and the fi	ive

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

C/ 113 SC 113.1	P 71	L 13	# 123		C/ 113 SC 113.3	.2.2.16	P <b>99</b>	L <b>41</b>	# 128	
Anslow, Pete	Ciena				Anslow, Pete		Ciena			
Comment Type E Comment "100ohm" should be "100", space, cap				EZ	Comment Type E Table 113-3 is not f	ormatted corr		1		EZ
SuggestedRemedy Change "100ohm" to "100", space, ca	pital omega				The part of Table 1 the title.	13-3 that is o	he correct format (is n page 100 should h	ave (continued) ir		nd of
Proposed Response Response	Status W					ed on page 98	9, but left aligned on	page 100		
PROPOSED ACCEPT. See commen	t 385				SuggestedRemedy					
C/ 113 SC 113.3.2.2.16 Anslow, Pete	P 99 Ciena	L <b>24</b>	# 127		Correct the formatti Place the cursor at "Table Continuation Make all rows centr	the end of tak " variable. Th	ding row. ble title on page 99. T his will add the (conti	Then click on the nued) on page 10	Variables Tab and 0.	insert
Comment Type T Comment Table 113-2 has no heading row to cla		nns contain		EZ	Proposed Response PROPOSED ACCI	'	onse Status W			
SuggestedRemedy Add an appropriate heading row					C/ 113 SC 113.3	3.2.2.20	P 103	L <b>45</b>	# 129	
Proposed Response Response	Status W				Anslow, Pete		Ciena			
PROPOSED ACCEPT.					Comment Type E	Com	ment Status D			EZ
					"zeroes" should be	"zeros"				
C/ 113 SC 113.8.2.2	P 183	L <b>42</b>	# 109		(See http://www.iee	e802.org/3/W	/G_tools/editorial/rec	quirements/words	.html)	
Cibula, Peter	Intel Corporation				SuggestedRemedy					
Comment Type E Comment	Status D			ΕZ	change "zeroes" to	"zeros"				
In subclause 113.8.2.2, the 1st instance "Sdc11". The other two instances (for parameter "Scd11", appear to be in en	and in Line 42 and	Line 46), refer	ring to the reciproc		Proposed Response PROPOSED ACCE		onse Status W			
SuggestedRemedy					C/ 113 SC 113.1	2	P 186	L <b>2</b>	# 130	
As indicated in the recommended text			115.pdf, change the	e two	Anslow, Pete		Ciena			
instances of "Scd11" in subclause 113		1 to Sacii.			Comment Type E	Com	ment Status D			EZ
Proposed Response Response	Status W				The text after "Clau	se 113" in the	e title of 113.12 shou	ld match the Clau	use 113 title.	
PROPOSED ACCEPT.					SuggestedRemedy					
					Coding Sublayer (P type 40GBASE-T" t "Protocol implemen Coding Sublayer (P	CS), Physica to: tation conforr CS), Physica	mance statement (PI al Medium Attachmer nance statement (PI al Medium Attachmer baseband medium,	nt (PMA) sublayer CS) proforma for nt (PMA) sublayer	r and baseband me Clause 113—Phys r, Physical Medium	edium, sical
							-			
					Proposed Response	Resp	onse Status W			

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

Page 26 of 94 4/29/2015 2:42:04 PM

C/ 113 SC 113.2	P <b>186</b>	L 10	# 131	C/ 45 SC 45.2.1	P 37	L 12	# 149
Anslow, Pete	Ciena			Anslow, Pete	Ciena		
Comment Type E	Comment Status D			Z Comment Type E	Comment Status D		E
The tables that should be	on the first page of the PICS	have moved to p	bage 187	The editing instruction	n for Table 45-3 is unclear.		
SuggestedRemedy				SuggestedRemedy			
(It may be that "Keep Wit	the "Date of Statement" row k h Next Pgf" is checked for th	e heading 113.12	2.1.2 Protocol summar	0	nstruction to: d rows in Table 45–3 as follows	(unchanged rows	s not shown):"
	e to click the check mark twic	e) and il may fix	uns.)	Proposed Response	Response Status W		
Proposed Response PROPOSED ACCEPT.	Response Status W			PROPOSED ACCE	PT.		
				C/ 28 SC 28.3.2	P <b>23</b>	L 14	# 135
C/ 113 SC 113.12.2	P <b>187</b>	L 37	# 132	Anslow, Pete	Ciena		
Anslow, Pete	Ciena			Comment Type E	Comment Status D		E
Comment Type E	Comment Status D			Z Editing instruction is	not clear.		
*LT Support of loop timin	g is mandatory, so there show	uldn't be a "No [ ]'	' box	SuggestedRemedy			
SuggestedRemedy				Change the editing in	nstruction to:		
Remove the "No { }"				0 0	d row in Table 28–9 as follows (	unchanged rows	not shown):
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response PROPOSED ACCE	Response Status W		
C/ 28 SC 28.5.4.8	P 23	L <b>43</b>	# 133				
Anslow, Pete	Ciena						
Comment Type E "28.3.2" should be a cros	Comment Status D			Z			
SuggestedRemedy							
SuggestedRemedy Make "28.3.2" a cross-re	ference						
SuggestedRemedy Make "28.3.2" a cross-re Proposed Response	ference Response Status W						

C/ 01 SC 1.4.x P 20 L 21 # 120	0	C/ 113 SC 113. P96 L 36 # 76
Anslow, Pete Ciena		Mark, Laubach Broadcom Corporation
Comment Type E Comment Status D The IEEE style manual includes:	EZ	Comment Type E Comment Status D Looking in latest 802.3bx draft, I think the cross-reference should be to Figure 81-4.
13.3.2 Numerical values Digits should be separated into groups of three, counting from the decimal point towa and right. The groups should be separated by a space, and not a comma, period, or or magnitude of the number is less than one, the decimal point should be preceded by a numbers of four digits, the space is not necessary, unless four-digit numbers are gro column with numbers of five digits or more.	dash. If the a zero. In	SuggestedRemedy Correct crossref if needed. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Figure is 82-4 in bx draft 3.0
Consequently, "2,000 MHz" should be "2000 MHz" on line 21 and on line 30. (Note, a comment has been submitted against 802.3bx D3.0 to remove the comma fr 1.4.131)	om	C/ 28A         SC 28A         P 25         L 1         # 138           Anslow, Pete         Ciena         Ciena         Ciena         Ciena
Also, "Clause 55" should be a cross-reference rather than forest green text on line 23 32.	3 and line	Comment Type         E         Comment Status         D           There are no editing instructions shown for Annex 28A and there are no changes shown
SuggestedRemedy		SuggestedRemedy
Change "2,000 MHz" to "2000 MHz" on line 21 and on line 30		Either add editing instructions and show changes or remove Annex 28A from the draft.
Make "Clause 55" a cross-reference on line 23 and line 32		Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT. See comment 1		PROPOSED ACCEPT IN PRINCIPLE. Remove Annex 28A (dup of comments 5, 375, 248 260, 263)
CI         28         SC         28.5.4.8         P 23         L 39         # 137           Anslow, Pete         Ciena         Cien	7	C/ 28B         SC 28B         P 26         L 5         # 139           Anslow, Pete         Ciena
Comment Type E Comment Status D Editing instruction is not clear.	EZ	Comment Type E Comment Status D The title of Annex 28B is missing
There are no paragraphs in the subclause. It is usual to show the heading row of tables being changed		SuggestedRemedy
		Add the title of Annex 28B:
SuggestedRemedy		"IEEE 802.3 Selector Base Page definition"
	iown):"	"IEEE 802.3 Selector Base Page definition" <i>Proposed Response Response Status</i> W PROPOSED ACCEPT.

	C 28B.3	P <b>26</b>	L <b>9</b>	# 140	C/ 28D	SC 28D.8	P 28	L 8	# 143	
Anslow, Pete		Ciena			Anslow, Pe	ete	Ciena			
Comment Type	Е	Comment Status D		E	Z Comment	Type E	Comment Status D			ΕZ
To use a "ch	hange" editin	ng instruction would require the	e rest of the list to	be included in the draft		is not a paragrap		ar atribathraugh fast	ia "Change"	
SuggestedReme	ədy					, ,	struction that uses underline of	or strikethrough toni	is Change	
Change the			on of the list in O	D 2 as follows and	Suggested	r <i>emeay</i> le the editing inst	ruction to:			
renumber th	e other items	GBASE-T full duplex" at the to s:" om the new item.			"Insert	28D.8 after 28D				
Proposed Respo PROPOSEI		Response Status W			Proposed I PROP	Response OSED ACCEPT	Response Status W			
CI 28C SC Anslow, Pete	C 28C.11	Р <b>27</b> Ciena	L <b>21</b>	# 141	<i>Cl</i> <b>28D</b> Anslow, Pe	SC 28D.8	P <b>28</b> Ciena	L <b>24</b>	# 144	
Comment Type "Clause 55"	E should be a	Comment Status D cross-reference		Ε	Z Comment 7 "45.2.7		Comment Status D "28.3.1" on line 26 should be	cross-references		EZ
SuggestedReme	•	_			Suggested	Remedy				
Make "Claus	se 55" a cros	ss-reference			Make "	'45.2.7" on line 2	4 and "28.3.1" on line 26 cros	s-references		
Make "Claus Proposed Respo PROPOSEI	onse	ss-reference Response Status W			Proposed I		Response Status W	s-references		
Proposed Respo PROPOSEI Cl <b>28C</b> SC	onse	Response Status W	L 22	# [ <u>142</u>	Proposed I PROP CI <b>30</b>	Response OSED ACCEPT SC <b>30.3.2.1</b>	Response Status W	s-references	# 145	
Proposed Response PROPOSEL CI 28C SC Anslow, Pete	onse D ACCEPT. C <b>28C.11</b>	Response Status W P 27 Ciena	L 22	L.	Proposed I PROP CI <b>30</b> Anslow, Pe	Response OSED ACCEPT SC <b>30.3.2.1</b> ete	Response Status W P 31 Ciena		# 145	EZ
Proposed Response PROPOSEL CI 28C SC Anslow, Pete Comment Type The IEEE En "In a series of	D ACCEPT. C 28C.11 E ditorial Style of three or m	Response Status W P 27 Ciena Comment Status D Manual includes: nore terms, use a comma imm		E	Proposed I PROP CI 30 Anslow, Pe Z Comment Editing	Response OSED ACCEPT SC <b>30.3.2.1</b> ete Type <b>E</b> g instruction is "C	Response Status W	L <b>42</b> ude 40GBASE-T."	# 145	EZ
Proposed Response PROPOSEL CI 28C SC Anslow, Pete Comment Type The IEEE E	D ACCEPT. C 28C.11 E ditorial Style of three or m	Response Status W P 27 Ciena Comment Status D Manual includes: nore terms, use a comma imm		E	Proposed I PROP Cl 30 Anslow, Pe Z Comment Editing The re	Response OSED ACCEPT SC <b>30.3.2.1</b> ete Type <b>E</b> g instruction is "C	Response Status W P 31 Ciena Comment Status D Change text of 30.3.2.1.2a incluse use has a spurious "a" at the e	L <b>42</b> ude 40GBASE-T."	# <u>145</u>	EZ
Proposed Respondent PROPOSEL CI 28C SC Anslow, Pete Comment Type The IEEE En "In a series of conjunction Consequent	D ACCEPT. C 28C.11 E ditorial Style of three or m (usually and, tly, " that 40	Response Status W P 27 Ciena Comment Status D Manual includes: nore terms, use a comma imm , or, or nor)." 0GBASE-T, 10GBASE-T and	ediately before th	e coordinating	Proposed I PROP CI 30 Anslow, Pe Z Comment Editing The re Same	Response OSED ACCEPT SC 30.3.2.1 ete Type E g instruction is "C ferenced subclau issue for 30.3.2.	Response Status W P 31 Ciena Comment Status D Change text of 30.3.2.1.2a incluse use has a spurious "a" at the e	L <b>42</b> ude 40GBASE-T."	# 145	EZ
Proposed Respo PROPOSEL CI 28C SC Anslow, Pete Comment Type The IEEE Ed "In a series of conjunction Consequent extra comma	D ACCEPT. C 28C.11 E ditorial Style of three or m (usually and, tly, " that 40 a after "10GE	Response Status W P 27 Ciena Comment Status D Manual includes: nore terms, use a comma imm , or, or nor)." 0GBASE-T, 10GBASE-T and	ediately before th	e coordinating	Proposed I PROP Cl 30 Anslow, Pe Z Comment Editing The re Same Suggested	Response OSED ACCEPT SC 30.3.2.1 ete Type E g instruction is "C ferenced subclau issue for 30.3.2. IRemedy ve the spurious "a	Response Status W P 31 Ciena Comment Status D Change text of 30.3.2.1.2a incluse use has a spurious "a" at the e	L 42 ude 40GBASE-T." and.		
Proposed Respo PROPOSEL CI 28C SC Anslow, Pete Comment Type The IEEE E "In a series o conjunction Consequent extra comma SuggestedReme Change: " that 40G " that 40G	D ACCEPT. C 28C.11 E ditorial Style of three or m (usually and, tly, " that 40 a after "10GE edy BASE-T, 10 BASE-T, 10	Response Status W P 27 Ciena Comment Status D Manual includes: nore terms, use a comma imm , or, or nor)." 0GBASE-T, 10GBASE-T and	ediately before th I 1000BASE-T at abilities" to:	e coordinating	Proposed I PROP C/ 30 Anslow, Pe Z Comment Editing The re Same Suggested Remov 32 line Proposed I	Response OSED ACCEPT SC 30.3.2.1 ete Type E g instruction is "C ferenced subclau issue for 30.3.2." (Remedy ve the spurious "a 27	Response Status W P 31 Ciena Comment Status D Change text of 30.3.2.1.2a incluse use has a spurious "a" at the e 1.3 a" from the subclause reference Response Status W	L 42 ude 40GBASE-T." and.		
Proposed Respo PROPOSEL Cl 28C SC Anslow, Pete Comment Type The IEEE E "In a series o conjunction Consequent extra comma SuggestedReme Change: " that 40G " that 40G	D ACCEPT. C 28C.11 E ditorial Style of three or m (usually and, tly, " that 40 a after "10GE edy BASE-T, 10 BASE-T, 10 Ied comma ir	Response Status W P 27 Ciena Comment Status D Manual includes: ore terms, use a comma imm , or, or nor)." OGBASE-T, 10GBASE-T and BASE-T" GBASE-T and 1000BASE-T GBASE-T, and 1000BASE-T	ediately before th I 1000BASE-T at abilities" to:	e coordinating	Proposed I PROP C/ 30 Anslow, Pe Z Comment Editing The re Same Suggested Remov 32 line Proposed I	Response OSED ACCEPT SC 30.3.2.1 ete Type E g instruction is "C ferenced subclau issue for 30.3.2. Remedy ve the spurious "a 27 Response	Response Status W P 31 Ciena Comment Status D Change text of 30.3.2.1.2a incluse use has a spurious "a" at the e 1.3 a" from the subclause reference Response Status W	L 42 ude 40GBASE-T." and.		

	30.3.2.1.2	P 31	L <b>42</b>	# 146		45		45.2.7		P <b>47</b>	L <b>46</b>	# 27	
Anslow, Pete		Ciena			Н	ajduczen	ia, Mare	ek	E	Bright House N	etworks		
Comment Type The editing ins		ment Status <b>D</b> 2.1.2, 30.3.2.1.3, 30.	5.1.1.19, 30.5.1.1	20, 30.5.1.1.21,	EZ C	omment Subcla		E 5.2.7.11 exis	Comment St sts in this draft a		narked in black	۲.	EZ
	0.5.1.1.24, and 30.4 of 30.x.x.x.x include	5.1.1.25 are all: 40GBASE-T." whic	h should be "to inc	lude" rather than	S	<i>iggested</i> Mark "		•	and make link	live.			
SuggestedRemedy	У				F	oposed	Respon	nse	Response Sta	atus <b>W</b>			
	0.5.1.1.24, and 30.	3.2.1.2, 30.3.2.1.3, 3 5.1.1.25 change:	0.5.1.1.19, 30.5.1.	1.20, 30.5.1.1.21,	-	PROP		ACCEPT.		P 48	L 9	# 28	
Proposed Respons		onse Status W				4J ajduczen			F	Bright House N	-	# 20	
PROPOSED /						omment		E	Comment St	•			EZ
CI 28 SC :		P 23	L 6	# 134		Editori		uction "Cha			ows in Table 45	5–207 as appropri	
Anslow, Pete		Ciena			S	iggested	Remed	ły					
Comment Type State where th	E Comi le new variable sho	ment Status <b>D</b> uld be inserted.			EZ				d rows and inse and 7.32.11.1 i			ppropriate." to readow."	t
Also, the only e	editing instruction t	hat uses underline o	r strikethrough fon	t is "Change"	F	oposed	- Respon	ise	Response Sta	atus W			
SuggestedRemedy	У					PROF	OSED	ACCEPT I	, N PRINCIPLE.	See comment	176		
"Insert new va	diting instruction to: riable definition into nderline from the ne	28.3.1 below 10Gig	T as follows:"		-	45 ajduczen		45.2.7.10		P <b>48</b> Bright House N	L 32	# 29	
Proposed Respons	se Respo ACCEPT. See com	onse Status W Iment 409				omment	Туре	ER	Comment St	atus D			ΕZ
C/ 45 SC 4	45.2.1	P 37	L 14	# 38	s	iggested	-			, in 65. 62, 60	,,		
Hajduczenia, Mare	k	Bright House	Networks						3a on page 48,		mana hafana 7 i		:4)
With the additi	ion of 40GBASE-T			ultiple rows spanning		Chang	ge editor	rial instruct		e 45.2.7.10.6. R		32.2 and not after 5.2.7.10.8." to rea	
		SNR operating marg	gin channel A", wh	ere just a single lette	r F	oposed	•		Response St	atus <b>W</b>			
two lines, e.g. is placed in the	e second line					PROP	POSED	ACCEPT.					
is placed in the SuggestedRemedy Extend the wid margin channe	y Ith of the middle co el A" (for example)	lumn to make sure th 10G/40GBASE-T" -		E-T SNR operating ger than anything else	9								
is placed in the SuggestedRemedy Extend the wid margin channe Also, consider	y Ith of the middle co el A" (for example) checking font for "				•								

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: Topic

C/ 45 SC 45.2.7.11 P 49 L 6 # 30	C/ 45 SC 45.2.7.11.10 P 50 L 16 # 33
Hajduczenia, Marek Bright House Networks	Hajduczenia, Marek Bright House Networks
Comment Type E Comment Status D EZ	Comment Type E Comment Status D EZ
Editorial instruction ".Change title and rows in Table 45–208 as appropriate." is not precise enough.	Editorial instruction "Change paragraph 45.2.7.11.8 and re-number to 45.2.7.11.10 in consideration of newly inserted 45.7.11.7
SuggestedRemedy	and 45.2.7.11.9." is incorrect
Change ".Change title and rows in Table 45–208 as appropriate." to "Change title of Table 45-208 and definition of rows 7.33.8:2, 7.33.1, and 7.33.0 as shown below."	SuggestedRemedy
	Change "Change paragraph 45.2.7.11.8 and re-number to 45.2.7.11.10 in consideration of newly inserted 45.7.11.7 and 45.2.7.11.9." to read "Change title and content of 45.2.7.11.8 as
Proposed Response Response Status W PROPOSED ACCEPT. See comment 352	shown below."
PROPOSED ACCEPT. See comment 332	Proposed Response Response Status W
C/ 45 SC 45.2.7.11.7 P 50 L 1 # 31	PROPOSED ACCEPT. See comments 353, 184
Hajduczenia, Marek Bright House Networks	C/ 45 SC 45.2.7.13 P 50 L 29 # 34
Comment Type ER Comment Status D EZ	Hajduczenia, Marek Bright House Networks
Subclause 45.2.7.11.7 should be 45.2.7.11.6a - any renumbering necessary is typically done by staff editor when merging with base document	Comment Type E Comment Status D EZ
Star euror when merging with base document	Unnecessary "." at beginnng of page 50, line 29
Change 45.2.7.11.7 to 45.2.7.11.6a in editorial instruction (page 49, line 51) and in title - page	SuggestedRemedy
50, line 1	Remove "."
Proposed Response Response Status W	Proposed Response Response Status W
PROPOSED ACCEPT. See comments 353, 184	PROPOSED ACCEPT. Dup of comments 185, 101
C/ 45 SC 45.2.7.11.9 P 50 L 7 # 32	C/ 45 SC 45.2.7.13 P 51 L 1 # 35
Hajduczenia, Marek Bright House Networks	Haiduczenia, Marek Bright House Networks
Comment Type E Comment Status D EZ	Comment Type E Comment Status D EZ
	Imprecise editorial instruction "Change rows in Table 45–210 as appropriate"
Editorial instruction "Insert new paragraph after 45.2.7.11.7 and re-number remaining clauses	
Editorial instruction "Insert new paragraph after 45.2.7.11.7 and re-number remaining clauses accordingly and in consideration with newly inserted 45.7.11.7." is not precise enough.	
accordingly and in consideration with newly inserted 45.7.11.7." is not precise enough. SuggestedRemedy	SuggestedRemedy
accordingly and in consideration with newly inserted 45.7.11.7." is not precise enough. SuggestedRemedy Since we are inserting a new subclause at the end covering register 7.33.0, instruction ought to	
accordingly and in consideration with newly inserted 45.7.11.7." is not precise enough. SuggestedRemedy	SuggestedRemedy Change "Change rows in Table 45–210 as appropriate" to read "Change row 7.60.9 in Table
accordingly and in consideration with newly inserted 45.7.11.7." is not precise enough. SuggestedRemedy Since we are inserting a new subclause at the end covering register 7.33.0, instruction ought to read as follows: "Insert new paragraph 45.2.7.11.9 as shown below." - anything else is	SuggestedRemedy Change "Change rows in Table 45–210 as appropriate" to read "Change row 7.60.9 in Table 45-210 as shown below."

C/ 81 SC 81.3.4.1	P 67	L 1	# 50			\$ 45.2.1.7	P 37	L <b>52</b>	# 39	
Hajduczenia, Marek	Bright House N	etworks			Hajduczenia, Ma	rek	Bright House N	letworks		
Comment Type T	Comment Status D	ult and aga tur	a are modified the	EZ	Comment Type	E	Comment Status D	" at the begins	aing of booding	EZ
stays the same.	ience, last_seq_type, link_fa	uit, and seq_typ	be are modified - the	eresi	SuggestedReme		gister (Register 1.8)" contains '	. at the beginn	ling of neading	
SuggestedRemedy					Remove "." i		ng.			
	from "Change 81.3.4.1 to in		rruption in		Also, remove	e "." at the s	tart of editorial instruction on p	age 38 line 53,	page 39 line 21	
variables" to "Change defir seq_type in 81.3.4.1 as sh	ype, link_fault, and seq_type itions of variables: fault_seq own below." from fault_sequence, last_se	uence, last_sec		nd	Proposed Respo		Response Status W			
•	Response Status W	.ч_турс, шт <u>г</u> та	and seq_type		CI 78 SC	78.5	P <b>59</b>	L 10	# 40	
PROPOSED ACCEPT.					Hajduczenia, Ma	rek	Bright House N	letworks		
					Comment Type	Е	Comment Status D			EZ
C/ 45 SC 45.2.7.13.10	•••	L 23	# 37		Stray ":"					
Hajduczenia, Marek	Bright House N	etworks			SuggestedReme	edy				
Comment Type E	Comment Status D	011	viete "	EZ	Remove stra	ıy ":"				
	n "Change rows in Table 45	-z mas approp	oriate.		Proposed Respo	onse	Response Status W			
SuggestedRemedy		to an el "Ob en e	7 04 0 in Tal	-1- 45	PROPOSEI	DACCEPT.				
211 as shown below."	able 45–211 as appropriate.		je low 7.61.9 ili Tai	JIE 45-	CI 78 SC	78.1	P 57	L <b>8</b>	# 41	
Proposed Response	Response Status W				Hajduczenia, Ma	rek	Bright House N	letworks		
PROPOSED ACCEPT IN	PRINCIPLE. See comment	188			Comment Type	TR	Comment Status D			EZ
<i>Cl</i> <b>45</b> <i>SC</i> <b>45.2.3.14</b> Hajduczenia, Marek	P <b>46</b> Bright House N	L <b>22</b> etworks	# 23			X PHY, the	twisted-pair cabling systems, 1000BASE-T PHY, the10GBA x D3.0			
Comment Type E	Comment Status D			ΕZ	SuggestedReme	edy				
"Change title and rows in T	able 45–129 as appropriate.	" - no change ir	n title is shown.		Where does	this text co	me from? It is not part of P802	.3bx text that is	being balloted.	
SuggestedRemedy					Proposed Respo	onse	Response Status W			
Show change in title of Tak	ble 45-129						IN PRINCIPLE.			
Proposed Response	Response Status W						g revision process. In with 802.3bx D3.0			
PROPOSED ACCEPT.						a lost to dife				

C/ 78 SC 78.1.3.3.	1 P 57	L 11	# 42		C/ 80	SC 80.1.5	P 62	L <b>46</b>	# 46	
Hajduczenia, Marek	Bright House	Networks	H-		Hajduczer	nia, Marek	Bright House	e Networks		
	Comment Status <b>D</b> odified only in line 48 - if there a dat editorial instructions accord		nges, remove all	EZ		with 40GBASE-T	Comment Status D	rked with underlir	ne.	EZ
SuggestedRemedy Per comment						omment	applies to Table 80–5, Table	80-1		
Proposed Response PROPOSED ACCEP1	Response Status W IN PRINCIPLE. See commer	nt 358 for more o	complete remedy		, PROI	l Response POSED REJEC <sup>-</sup> 80-2 is now repl	Response Status W T. laced, so no underline.			
C/ 78 SC 78.1.4 Hajduczenia, Marek	<i>Р</i> <b>58</b> Bright House	L <b>34</b> Networks	# 43			comment 134 for action, as is Table	use of underline, only "change e 80-5.	" uses that. Tabl	e 80-1 is an insert	
Comment Type E TExt inserted intl Table	Comment Status D 78-1 seems to be a different f	font style than th	e remainder of the ta	<i>EZ</i> able.	C/ <b>81</b> Hajduczer	SC <b>81.1</b> nia, Marek	P <b>65</b> Bright House	L 6 Networks	# 47	
SuggestedRemedy Apply proper font style Same issue applies to	to Table 78-1. Table 78-2 and in Table 78-5						Comment Status D unclear "Change Figure 81-1 a	as follows:" - there	e are no changes ma	<i>EZ</i> arked
C/ 80 SC 80.1.3	Response Status W IN PRINCIPLE. See commer P 61	L 6	e complete response # 45		figure editor	ge editorial note t shown below" o rial note alone.	from "Change Figure 81-1 as f r explicitly show changes (in re			
Hajduczenia, Marek Comment Type ER	Bright House Comment Status D	Networks		EZ	,	<i>I Response</i> POSED ACCEP <sup>®</sup>	Response Status W T IN PRINCIPLE. See comme	ent 204		
No editorial instructions and 100 Gigabit Etherr SuggestedRemedy	s for changes to Figure 80–1— et	-Architectural pc	ositioning of 40 Giga	bit		SC <b>81.1.7.3</b> nia, Marek	Bright House	L 46 e Networks	# 48	
Insert editorial instructi shown below"	on above Figure 80-1 as follow	/s "Replace Figu	ire 80-1 with the figu	re	Comment Editor	51	Comment Status D ect: "Change 81.1.7.3 for carri	er indication defin	ition:"	EZ
Proposed Response PROPOSED ACCEPT See comments 61, 381					Proposed	-	.7.3 for carrier indication defin Response Status W	ition:" to "Change	81.1.7.3 as follows"	

C/ 45 SC 45.2.1.6 P 37 L 50 # 151	C/ 80 SC 80.1.5 P 62 L 16 # 73
Anslow, Pete Ciena	Mark, Laubach Broadcom Corporation
Comment Type E Comment Status D EZ	Comment Type ER Comment Status D EZ
The editing instruction for Table 45-7 is unclear.	Update editing directive for better clarity, as multiple rows are being inserted as well a the single right most column.
SuggestedRemedy Change the editing instruction to:	SuggestedRemedy
"Change the identified row in Table 45–7 as follows (unchanged rows not shown):"	Change: "Insert the following row after 40GBASE-LR4 and rightmost end column to Table 80-2
Proposed Response Response Status W PROPOSED ACCEPT.	(existing PHY entries in new column are blank)" to: "Change: "Insert the following rows after 40GBASE-LR4 and rightmost single end column to Table 80-2 (existing PHY entries in new column are blank)""
C/ 45 SC 45.2.7.13.10 P 51 L 16 # 36	Proposed Response Response Status W
Hajduczenia, Marek Bright House Networks	PROPOSED ACCEPT IN PRINCIPLE. See comment 201
Comment Type E Comment Status D EZ	C/ 113 SC 113.2.1.2.1 P 80 L 28 # 71
Editorial instruction "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." is imprecise	Slavick, Jeff Avago Technologies
SuggestedRemedy	Comment Type TR Comment Status D EZ
ouggesteaneneuy	
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below."	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a <i>Proposed Response</i> Response Status <b>W</b>	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T SuggestedRemedy
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a <i>Proposed Response</i> Response Status <b>W</b>	<ul> <li>PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T</li> <li>SuggestedRemedy</li> <li>Removed READY from the list of values link_status can PMA_LINK.indication can take on.</li> </ul>
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 355 for more complete remedy	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T         SuggestedRemedy         Removed READY from the list of values link_status can PMA_LINK.indication can take on.         Proposed Response       Response Status         W         PROPOSED ACCEPT. See comment 485 for a complete remedy
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE. See comment 355 for more complete remedy         Cl       45       SC       45.2.1.7.4       P       38       L       53       #       11         Hajduczenia, Marek       Bright House Networks       11       11       11	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T         SuggestedRemedy         Removed READY from the list of values link_status can PMA_LINK.indication can take on.         Proposed Response       Response Status
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below."         Change 45.2.7.13.4 to 45.2.7.13.4a         Proposed Response       Response Status         W         PROPOSED ACCEPT IN PRINCIPLE. See comment 355 for more complete remedy         Cl       45       SC 45.2.1.7.4       P 38       L 53       # 11         Hajduczenia, Marek       Bright House Networks	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T         SuggestedRemedy         Removed READY from the list of values link_status can PMA_LINK.indication can take on.         Proposed Response       Response Status         W       PROPOSED ACCEPT. See comment 485 for a complete remedy         C/ 78       SC 78.1.3.3.1       P 57       L 33       # [74         Mark, Laubach       Broadcom Corporation
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below."         Change 45.2.7.13.4 to 45.2.7.13.4a         Proposed Response       Response Status         W         PROPOSED ACCEPT IN PRINCIPLE. See comment 355 for more complete remedy         Cl       45         SC       45.2.7.13.4         Projosed Response       Provide the status         W       PROPOSED ACCEPT IN PRINCIPLE. See comment 355 for more complete remedy         Cl       45         SC       45.2.1.7.4         P 38       L 53         Hajduczenia, Marek       Bright House Networks         Comment Type       E         Comment Status       D	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T         SuggestedRemedy         Removed READY from the list of values link_status can PMA_LINK.indication can take on.         Proposed Response       Response Status         W         PROPOSED ACCEPT. See comment 485 for a complete remedy         Cl 78       SC 78.1.3.3.1         P 57       L 33         Mark, Laubach       Broadcom Corporation
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE. See comment 355 for more complete remedy         Cl       45       SC 45.2.1.7.4       P 38       L 53       # 11         Hajduczenia, Marek       Bright House Networks       Ez         Comment Type       E       Comment Status       D       EZ         Editorial instruction "Insert row in Table 45–9 as appropriate." is not precise enough.       EZ	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T         SuggestedRemedy         Removed READY from the list of values link_status can PMA_LINK.indication can take on.         Proposed Response       Response Status         W       PROPOSED ACCEPT. See comment 485 for a complete remedy         Cl 78       SC 78.1.3.3.1       P 57       L 33       # [74]         Mark, Laubach       Broadcom Corporation       EZ         " <xref>" text present:       Page 57 Line 33</xref>
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a Shown below." Change 400 Shown below." Change 45.2.7.13.4 to 45.2.7.13.4a Shown below." Change 400 Shown below." Change 400 Shown below." Change 45.2.7.13.4a Shown below." Change 400 Shown be	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T         SuggestedRemedy         Removed READY from the list of values link_status can PMA_LINK.indication can take on.         Proposed Response       Response Status         W       PROPOSED ACCEPT. See comment 485 for a complete remedy         Cl 78       SC 78.1.3.3.1       P 57       L 33       # 74         Mark, Laubach       Broadcom Corporation       EZ         " <xref>" text present:       Page 57 Line 33       Page 57 Line 51</xref>
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a Shown below." Change 400 Shown below." Change 45.2.7.13.4 to 45.2.7.13.4a Shown below." Change 400 Shown below." Change 400 Shown below." Change 45.2.7.13.4a Shown below." Change 400 Shown be	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T         SuggestedRemedy         Removed READY from the list of values link_status can PMA_LINK.indication can take on.         Proposed Response       Response Status         W       PROPOSED ACCEPT. See comment 485 for a complete remedy         Cl 78       SC 78.1.3.3.1       P 57       L 33       # [74]         Mark, Laubach       Broadcom Corporation       EZ         " <xref>" text present:       Page 57 Line 33       Page 57 Line 51       Page 58 Line 2</xref>
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below."         Change 45.2.7.13.4 to 45.2.7.13.4a         Proposed Response       Response Status         PROPOSED ACCEPT IN PRINCIPLE. See comment 355 for more complete remedy         Cl       45       SC 45.2.1.7.4       P 38       L 53       # 11         Hajduczenia, Marek       Bright House Networks       Ez         Comment Type       E       Comment Status       D       EZ         Editorial instruction "Insert row in Table 45–9 as appropriate." is not precise enough.       SuggestedRemedy       Change editorial instruction to read: "Insert row in Table 45–9 under 40GBASE-FR entry"         Proposed Response       Response Status       W	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T         SuggestedRemedy         Removed READY from the list of values link_status can PMA_LINK.indication can take on.         Proposed Response       Response Status         W       PROPOSED ACCEPT. See comment 485 for a complete remedy         Cl 78       SC 78.1.3.3.1       P 57       L 33       # 74         Mark, Laubach       Broadcom Corporation       EZ         " <xref>" text present:       Page 57 Line 33       Page 57 Line 51</xref>
Change "Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly." to read "Insert new paragraph after 45.2.7.13.4 as shown below." Change 45.2.7.13.4 to 45.2.7.13.4a         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE. See comment 355 for more complete remedy         Cl 45       SC 45.2.1.7.4       P 38       L 53       # 11         Hajduczenia, Marek       Bright House Networks         Comment Type       E       Comment Status       D       EZ         Editorial instruction "Insert row in Table 45–9 as appropriate." is not precise enough.       SuggestedRemedy       Change editorial instruction to read: "Insert row in Table 45–9 under 40GBASE-FR entry"         Proposed Response       Response Status       W	PMA_LINK.indication(link_status) states that READY is a value it can take on. But then states that READY is not used by 40GBASE-T         SuggestedRemedy         Removed READY from the list of values link_status can PMA_LINK.indication can take on.         Proposed Response       Response Status         PROPOSED ACCEPT. See comment 485 for a complete remedy         Cl 78       SC 78.1.3.3.1       P 57       L 33       # [74]         Mark, Laubach       Broadcom Corporation       EZ         " <xref>" text present:       Page 57 Line 33       Page 58 Line 2         SuggestedRemedy       SuggestedRemedy       EZ</xref>

C/ 81 SC 81.3.4.2	P 67	L <b>46</b>	# 75		CI 28A SC 28A	P <b>25</b>	L 1	# 5	
Mark, Laubach	Broadcom Cor	poration			Hajduczenia, Marek	Bright House	Networks		
changes. I didn't see any. paragraph text only?	Comment Status <b>D</b> test 802.3bx Section 6 draft If that is the case, perhaps			<i>EZ</i> s on	Comment Type ER There are no chanegs SuggestedRemedy Remove Annex 28A or	Comment Status D in Annex 28A implement changes required to	o support 40GBA	ASE-T	EZ
SuggestedRemedy As per comment.					Proposed Response	Response Status W			
·	Response Status W				PROPOSED ACCEPT Remove Annex 28A (d	IN PRINCIPLE. up of comments 138, 375, 248	, 260, 263)		
Editing instruction to focus See comment 51 for a mor	on text per comment.				Cl 28C SC 28C.11 Hajduczenia, Marek	P <b>27</b> Bright House	L <b>21</b> Networks	# 7	
C/ 28 SC 28.3 Hajduczenia, Marek	P <b>23</b> Bright House N	L <b>6</b> letworks	# 3		Comment Type E Unnecessary serial co	Comment Status <b>D</b> mma in "Clause 55 (10GBASE-	-T), and Clause	113"	EZ
Comment Type E "Insert row in clause 28.3." reference subclauses just SuggestedRemedy Strike "clause" in line 6	Comment Status <b>D</b> as appropriate." should not by number	reference "clau	se", we typically	EZ	SuggestedRemedy Remove serial comma Proposed Response PROPOSED ACCEPT	in "Clause 55 (10GBASE-T), a Response Status W 	nd Clause 113"		
Proposed Response PROPOSED ACCEPT. Se	Response Status W ee comment 409				C/ 30 SC 30.2.5 Marris, Arthur	P 29 Cadence	L 13	# 70	
SuggestedRemedy Change to read: "Insert rov	P 23 Bright House N Comment Status D be more precise: "Insert rov v in 28.3.1 under ."10GigT;" Response Status W		# 41 as appropriate."	EZ	Comment Type E Column heading not co SuggestedRemedy Correct: 10G/40GBASE-T Ope Proposed Response PROPOSED ACCEPT	rating Margin package (condi- Response Status W			EZ

Cl 28C SC 28C.11 Hajduczenia, Marek	P <b>27</b> Bright House N	L <b>22</b> Jetworks	# 8		C/ <b>45</b> SC <b>45</b> Hajduczenia, Marek	5.2.3.14.4	P <b>47</b> Bright House	L <b>30</b> Networks	# 25	
Missing serial comma in "40GBASI	ent Status <b>D</b> E-T, 10GBASE-T a	nd 1000BASE-	Γ"	EZ	missing "for" in		Comment Status <b>D</b> text "and in 113.3.6.2 4	OGBASE-T"		EZ
SuggestedRemedy Change "40GBASE-T, 10GBASE- and 1000BASE-T" Proposed Response Response PROPOSED ACCEPT. Dup of 142	se Status W	" to "40GBASE	-T, 10GBASE-T>>	,<<	SuggestedRemedy Change "and in Proposed Response PROPOSED AC	e R	GBASE-T" to "and in 1 <sup>2</sup> Desponse Status W	13.3.6.2 >>for<<	40GBASE-T"	
C/ <b>45</b> SC <b>45.2.7</b> Hajduczenia, Marek	P 47 Bright House N ent Status D ms to have multiple		# 2 <u>6</u> ences "45.2.7.1045	EZ	Hajduczenia, Marek Comment Type Editorial instruct SuggestedRemedy	ion "Insert ro	P 39 Bright House Comment Status D ow in Table 45–10 as ap to read: "Insert row in Ta esponse Status W	propriate." is not	Ū	<i>EZ</i> 'Y'
Replace existing subclause referen Proposed Response Response PROPOSED ACCEPT.	ce with "45.2.7.10" se <i>Status</i> <b>W</b>	marked in black	and make it live.		Hajduczenia, Marek	5.2.1.8.1 E	P <b>39</b> Bright House Comment Status <b>D</b>	L 25 Networks	# 13	EZ
Cl 28D SC 28D.8 Marris, Arthur Comment Type E Comme Missing space SuggestedRemedy 28D.8 Extensions required for Clau	P 28 Cadence ent Status D se 113 (40GBASE	L <b>10</b> .T)	# <u>69</u>	EZ	SuggestedRemedy	ge editorial i	ow in Table 45–12 as ap nstruction to read: "Inser esponse Status W		-	SE-FR
rather than: 28D.8Extensions required for Clause 113 (40GBASE-T) Proposed Response Response Status W PROPOSED ACCEPT. Dup of 262					Hajduczenia, Marek Comment Type Editorial instruct		P <b>39</b> Bright House Comment Status D 7 is not precise enough.	L 37 Networks	# 14	EZ
					SuggestedRemedy Change "Chang 1.13.6 as showr Proposed Response PROPOSED A0	i below" e R	rows in Table 45–16 as lesponse Status W	appropriate." to "(	Change definition o	f bit
TYPE: TR/technical required ER/editor COMMENT STATUS: D/dispatched A SORT ORDER: Topic				0		ed Z/withdra	,	EZ	Page 36 of 9/ 4/29/2015 2:	

Cl 45 SC 45.2.1.12.10 Hajduczenia, Marek	P <b>40</b> Bright House N	L 3 etworks	# 15	C/ 45 SC 45.2.3.7 Hajduczenia, Marek	.6 P 44 Bright House	L <b>12</b> Networks	# 19
	Comment Status <b>D</b> 0 should be marked as 45.2 ring is done later on by the s				Comment Status <b>D</b> .7.6 should be marked as 45.2 ring is done later on by the sta		
Proposed Response PROPOSED ACCEPT. Se	Response Status W e comment 477			Proposed Response PROPOSED ACCEP	Response Status W		
<i>Cl</i> <b>45</b> <i>SC</i> <b>45.2.1.64.1</b> Hajduczenia, Marek	P <b>41</b> Bright House N	L 13 letworks	# 16	Cl <b>45</b> SC <b>45.2.3.9</b> Hajduczenia, Marek	P <b>44</b> Bright House	L <b>20</b> Networks	# 20
Comment Type E Missing space "are defined	Comment Status <b>D</b> in 113.4.2.5and 113.4.5.1"		EZ	Comment Type E Eitorial instruction "Ch	Comment Status <b>D</b> ange rows in Table 45–125 as	appropriate." is n	EZ
0	.4.2.5and 113.4.5.1" to "are Response Status W	defined in 113.	4.2.5>> < <and 113.4.5.1"<="" td=""><td>SuggestedRemedy Change "Change rows in Table 45-125 as sh Proposed Response PROPOSED ACCEP</td><td>Response Status W</td><td>ate." to read "Char</td><td>nge definition of bit 3.20.7</td></and>	SuggestedRemedy Change "Change rows in Table 45-125 as sh Proposed Response PROPOSED ACCEP	Response Status W	ate." to read "Char	nge definition of bit 3.20.7
Cl 45 SC 45.2.3.7 Hajduczenia, Marek	P 43 Bright House N	L <b>49</b> etworks	# 18	C/ <b>45</b> SC <b>45.2.3.9</b> Hajduczenia, Marek	.8 P 44 Bright House	L <b>35</b> Networks	# 21
enough SuggestedRemedy Change "Change row and i definition of bits 3.8.9:7 in 1	Comment Status D row and insert row in Table nsert row in Table 45–124 a Table 45-124 as show below Response Status W	s appropriate." t			Comment Status D .9.8 should be marked as 45.2 rring is done later on by the sta struction accordingly. Response Status W		
LIDDOGGA KESDOUSE	Response Status W			Fillposed Response	Response Status W		

C/ 81 SC 81.3.4.2 Hajduczenia, Marek	P <b>67</b> Bright House N	L <b>48</b> Networks	# 51		<i>Cl</i> <b>113</b> <i>SC</i> <b>113.7.2.</b> DiMinico, Christopher	<b>4.6</b> <i>P</i> <b>178</b> MC Commun	L <b>47</b> lications	# 473	
Comment Type <b>T</b> Text on page 67 ,lines 4	Comment Status D 9-53 has not been modifed and	d should not be	shown.	EZ	Comment Type <b>T</b> subclause heading inc	Comment Status D			E
SuggestedRemedy Remove text n page 67, Show changes in Figure					5	Aultiple disturber power sum eo e disturber power sum attenua		· · · · · · · · · · · · · · · · · · ·	<i>,</i>
Proposed Response PROPOSED ACCEPT.	Response Status W				Proposed Response PROPOSED ACCEP	Response Status W T. Dup of 411			
Cl 28D SC 28D.8 Hajduczenia, Marek	P <b>28</b> Bright House N	L <b>24</b> Networks	# 9		Cl 99 SC 0 Thompson, Geoff	P <b>1</b> GraCaSI S.A	L <b>29</b>	# 474	
Comment Type E Reference to 45.2.7 and SuggestedRemedy	Comment Status <b>D</b> 28.3.1 should be made live ar	nd not marked in	green.	EZ	Comment Type E The text "[review/ballo the use is of this partic	Comment Status <b>D</b> ting stage]" is intended to be ecular draft.	dited for each dra	ft to actually indicate	E2 what
Make links to 45.2.7 and Proposed Response PROPOSED ACCEPT.	d 28.3.1 live, and make sure the Response Status W	ey are marked in	black.		Proposed Response	e]" to read: "Working Group 1s <i>Response Status</i> <b>W</b> T. Dup of comments 405, 252		or the next draft.	
C/ 45 SC 45.2.3.14. Cibula, Peter	.3 P 47 Intel Corporation	L 16	# 108		C/ 113 SC 113.1	P 71 Cadence	L <b>20</b>	# 65	
	<i>Comment Status</i> <b>D</b> f the subclause is missing a sp	bace.		EZ	Marris, Arthur <i>Comment Type</i> <b>TR</b> No need to mention Cl	Comment Status D			Ež
SuggestedRemedy Change "45.2.3.14.3 BE between "BER" and "(3. Proposed Response PROPOSED ACCEPT.	Response Status W	BER (3.33.13:8)	", inserting a space		SuggestedRemedy Replace "Management is speci With	fied in Clause 30." Is are optionally accessible thro	bugh the manage	ment interface define	d in
C/ <b>113</b> SC <b>113.5.4.6</b> . DiMinico, Christopher	<b>.9</b> <i>P</i> <b>166</b> MC Communit	L 18 cations	# 472		Proposed Response PROPOSED ACCEP	Response Status W			
<i>Comment Type</i> <b>ER</b> Change variable name E	Comment Status <b>D</b> El to ACRF to align with parame	eter name		ΕZ	Text is consistent with	Clause 55 but that is inconsis nit a maintenance request or co			
SuggestedRemedy Change variable name E	El to ACRF and in equation 113	3-21							
Proposed Response PROPOSED ACCEPT.	Response Status W								
	d ED/aditarial required OD/aa					Tania		D	

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: Topic

C/ 113 SC 113.1	P <b>71</b>	L 13	# 64		CI <b>45</b>	SC 45.2.7.14	P <b>51</b>	L <b>24</b>	# 188	
/arris, Arthur	Cadence				Anslow, Pe	te	Ciena			
Comment Type E Co 100ohm	omment Status D			EZ		15-211 is in 45.2.	Comment Status <b>D</b> 7.14 but this heading is miss or Table 45-210 is unclear.	ing.		E
SuggestedRemedy Use correct format for "100oh					When ' The tex	'Reserved" is del	eted, the Name column will b row has been changed in 80			
Proposed Response Re PROPOSED ACCEPT. See of	sponse Status W comments 123 & 385					te a should be "R				
C/ <b>45</b> SC <b>45.2.7.11.10</b> Anslow, Pete	P <b>50</b> Ciena	L 16	# 184		Add a h Change	neading for 45.2.3 e the editing instr	uction to:	<i>,</i>		
Comment Type E Co	omment Status D			EZ			1.9 in Table 45–211 as follow " to the Name column	vs (unchanged ro	ws not shown):"	
Because of the large number re-numbering clauses is a bac "55.4.2.5.15" should be in fore	l idea.	nents being done	to 802.3 at any one	e time	Correct		in strikethrough font from th ence to Clause 28 O = Read only"	e reserved row.		
SuggestedRemedy	C C				Proposed F	Response	Response Status W			
Leave the numbering of 45.2.7 Change the editing instruction					PROP	OSED ACCEPT.				
"Change the title and text of 4 Apply character tag "External"	5.2.7.11.8 as follows:"				C/ <b>113</b> Zhang, Jin	SC 113.3.6.2	.2 P 117 Marvell	L 31	# 481	
Proposed Response Re PROPOSED ACCEPT. See of	sponse Status W comments 353, 31, 33				Comment 7 The inc	51	Comment Status D	ariables.		Eź
					Suggested		definition as per the other va	ariables		
					Proposed F	Response	Response Status W			
					PROP	OSED ACCEPT	IN PRINCIPLE. See comme	nt 296 for more d	etailed remedy	
					<i>CI</i> <b>45</b> McClellan, I	SC <b>45.2.3.9</b> Brett	P <b>44</b> Marvell	L 18	# 100	
					Comment 7 extra p	<i>Type</i> <b>E</b> eriod before EEE	Comment Status D			EZ
					Suggestedi delete	R <i>emedy</i> extra period befor	e EEE			
					Proposed F	•	Response Status W			

Hajduczenia, Marek	P 66 Bright House I	L <b>6</b> Networks	# 49	C/ 113 SC 113.7.2 Slavick, Jeff	P <b>122</b> Avago Technolo	L O ogies	# 72
Comment Type E	Comment Status D		EZ	Comment Type TR	Comment Status D	ogioo	F
21	nprecise: "Change 81.3.4 add Lir	nk Interruption S		51	able lfer_timer_done and lfer_tim	ne_not_done ne	_
definition:"		·		SuggestedRemedy			
	3.4 add Link Interruption Sequen aragraph number 4 in 81.3.4, as		definition:" to "Insert a	Add to the following to When the timer reache	the lfer_timer definition: s it's terminal count it will set lfe		TRUE
	instruction above Table 81–5 as rruption, as shown below."	follows: "Chang	e Table 81-5 by adding a	Change the Ifer_timer_ Proposed Response PROPOSED ACCEP1	not_done to !lfer_timer_done in <i>Response Status</i> W	the Figure	
Remove teh rest of te	ext from 81.3.4.				Clause 55 for 125us_timer states		is encouraged to
Proposed Response	Response Status W			consider maintenance	or comments on revision for Cla	use 55	
PROPOSED ACCEF	ፖ.			C/ 45 SC 45.2.3.9		L 18	# 111
C/ 78 SC 78.1	P 57	L <b>9</b>	# 104	Cibula, Peter	Intel Corporatio	n	
McClellan, Brett	Marvell			Comment Type E	Comment Status D	halanaa dda	E
Comment Type E	Comment Status D		EZ	SuggestedRemedy	a stray period/full stop in the sub	ociause title.	
missing space after 't	'ho'			ouggesteurterneuy			
missing space after 't SuggestedRemedy				Change "45.2.3.9 .EEE capability (Register 3.2	E control and capability (Register 0)", removing the period before I		.3.9 EEE control and
SuggestedRemedy add missing space af	fter 'the'			Change "45.2.3.9 .EEE capability (Register 3.2 Proposed Response	0)", removing the period before l Response Status W		.3.9 EEE control and
SuggestedRemedy add missing space af Proposed Response	fter 'the' Response Status W	+ 11		Change "45.2.3.9 .EEE capability (Register 3.2	0)", removing the period before l Response Status W		.3.9 EEE control and
SuggestedRemedy add missing space af Proposed Response	fter 'the'	t 41		Change "45.2.3.9 .EEE capability (Register 3.2 Proposed Response	0)", removing the period before l Response Status W		.3.9 EEE control and # [152
SuggestedRemedy add missing space af Proposed Response PROPOSED ACCEF Cl 113 SC 113.5.4	fter 'the' <i>Response Status</i> W PT IN PRINCIPLE. See comment 4.6.14 P 167	L 12	# 469	Change "45.2.3.9 .EEE capability (Register 3.2 Proposed Response PROPOSED ACCEP1	0)", removing the period before l Response Status W	EEE.	
SuggestedRemedy add missing space af Proposed Response PROPOSED ACCEF Cl 113 SC 113.5.4 DiMinico, Christopher	fter 'the' Response Status W PT IN PRINCIPLE. See comment 4.6.14 P 167 MC Communic	L 12	# 469	Change "45.2.3.9 .EEE capability (Register 3.2 Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.7	0)", removing the period before l Response Status W T. P <b>37</b>	EEE.	
SuggestedRemedy add missing space af Proposed Response PROPOSED ACCEF Cl 113 SC 113.5.4 DiMinico, Christopher Comment Type E	fter 'the' <i>Response Status</i> W PT IN PRINCIPLE. See comment 4.6.14 P 167	L 12	# <u>469</u> EZ	Change "45.2.3.9 .EEE capability (Register 3.2 Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.7 Anslow, Pete Comment Type E The title of 45.2.1.7 sta Same issue for 45.2.1.	10)", removing the period before I Response Status W T. P <b>37</b> Ciena Comment Status D arts with a "." 8 and 45.2.3.9	EEE.	# 152
SuggestedRemedy add missing space af Proposed Response PROPOSED ACCEF Cl 113 SC 113.5.4 DiMinico, Christopher Comment Type E Correct text: Change SuggestedRemedy	fter 'the' Response Status W PT IN PRINCIPLE. See comment 4.6.14 P 167 MC Communit Comment Status D PSANEXT to PSAACRF	L 12 cations	EZ	Change "45.2.3.9 .EEE capability (Register 3.2 Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.7 Anslow, Pete Comment Type E The title of 45.2.1.7 sta Same issue for 45.2.1. (from the autonumber f	10)", removing the period before I Response Status W T. P <b>37</b> Ciena Comment Status D arts with a "." 8 and 45.2.3.9	EEE.	# 152
SuggestedRemedy add missing space af Proposed Response PROPOSED ACCEF Cl 113 SC 113.5.4 DiMinico, Christopher Comment Type E Correct text: Change SuggestedRemedy Replace PSANEXT w	tter 'the' Response Status W PT IN PRINCIPLE. See comment 4.6.14 P 167 MC Communit Comment Status D PSANEXT to PSAACRF with PSAACRF in sentetnce: Who	L 12 cations en the computed	EZ	Change "45.2.3.9 .EEE capability (Register 3.2 Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.7 Anslow, Pete Comment Type E The title of 45.2.1.7 sta Same issue for 45.2.1. (from the autonumber for the suggested Remedy	10)", removing the period before I Response Status W T. P <b>37</b> Ciena Comment Status D arts with a "." 8 and 45.2.3.9	EEE. <sup>´</sup>	# [ <u>152</u> E
SuggestedRemedy add missing space af Proposed Response PROPOSED ACCEF Cl 113 SC 113.5.4 DiMinico, Christopher Comment Type E Correct text: Change SuggestedRemedy Replace PSANEXT w	tter 'the' Response Status W PT IN PRINCIPLE. See comment 4.6.14 P 167 MC Communit Comment Status D PSANEXT to PSAACRF with PSAACRF in sentetnce: Whith seeds 75 dB, the PSANEXT result	L 12 cations en the computed	EZ	Change "45.2.3.9 .EEE capability (Register 3.2 Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.7 Anslow, Pete Comment Type E The title of 45.2.1.7 sta Same issue for 45.2.1. (from the autonumber for the suggested Remedy	10)", removing the period before I Response Status W T. P 37 Ciena Comment Status D arts with a "." 8 and 45.2.3.9 format?)	EEE. <sup>´</sup>	# [ <u>152</u> E
SuggestedRemedy add missing space af Proposed Response PROPOSED ACCEF Cl 113 SC 113.5.4 DiMinico, Christopher Comment Type E Correct text: Change SuggestedRemedy Replace PSANEXT w certain frequency exc	tter 'the' Response Status W PT IN PRINCIPLE. See comment 4.6.14 P 167 MC Communit Comment Status D PSANEXT to PSAACRF with PSAACRF in sentetnce: Whith seeds 75 dB, the PSANEXT result	L 12 cations en the computed	EZ	Change "45.2.3.9 .EEE capability (Register 3.2 Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.7 Anslow, Pete Comment Type E The title of 45.2.1.7 sta Same issue for 45.2.1. (from the autonumber for 45.2.1. (from the autonumber for 45.2.1) SuggestedRemedy Remove the spurious "	<ul> <li>(0)", removing the period before I Response Status W</li> <li>P 37 Ciena</li> <li>Comment Status D</li> <li>arts with a "."</li> <li>8 and 45.2.3.9</li> <li>format?)</li> <li>" from the titles of 45.2.1.7, 45.2</li> <li>Response Status W</li> </ul>	EEE. <sup>´</sup>	# [ <u>152</u> E

C/ 30 SC 30.3.2.1.2	P 31 L 47	# 267	C/ 113 SC 113.3.2.2.16 P 98 L 51 # 270
Healey, Adam	Avago Technologies		Healey, Adam Avago Technologies
Comment Type E	Comment Status D	EZ	Comment Type E Comment Status D E
Use paragraph style co	nsistent with IEEE P802.3/D3.0 for all attribu	ites changed in this clause.	Red font appears in "65-bit".
SuggestedRemedy			SuggestedRemedy
	hief of IEEE P802.3 (IEEE 802.3bx) for the	paragraph style information	Revert to default font color (black).
and reformat according	•		Proposed Response Response Status W
Proposed Response PROPOSED ACCEPT	Response Status W		PROPOSED ACCEPT.
PROPOSED ACCEPT			CI 78 SC 78.1.4 P 58 L 35 # 271
C/ 45 SC 45.2.1.7	P 37 L 52	# 268	Healey, Adam Avago Technologies
Healey, Adam	Avago Technologies		Comment Type E Comment Status D E
Comment Type E	Comment Status D	EZ	Per IEEE P802.3/D3.0, the title of Table 78-1 is "Clauses associated with each PHY or
Superfluous "." in the he	eading. Similar issue for 45.2.1.8 (p39/l21).		interface type" and the heading of the first column is "PHY or interface type". The font of the
SuggestedRemedy			inserted body row should be changed to match to table it will be added to.
Remove extra ".".			SuggestedRemedy
Proposed Response	Response Status W		Update the table per the comment.
PROPOSED ACCEPT			Proposed Response Response Status W
C/ 113 SC 113.1.1	P71 L40	# 269	PROPOSED ACCEPT. See comment 195 for a more complete response
Healey, Adam	Avago Technologies		CI 78 SC 78.2 P 58 L 44 # 272
Comment Type E	Comment Status D	F7	Healey, Adam Avago Technologies
	mended by this draft and hence are not exte		Comment Type E Comment Status D E
SuggestedRemedy			Per IEEE P802.3/D3.0, the title of Table 78-2 is "Summary of the key EEE parameters for
,	nd "Clause 78" text to the appropriate cross-	reference markers.	supported PHYs or interfaces" and the heading of the first column is "PHY or interface type". The font of the inserted body rows should be changed to match to table it will be added to.
This occurs several oth	er times throughout the draft (other example	s include but are not limited	SuggestedRemedy
to 113.1, 113.1.3, 113.1	.3.1, 113.2, 113.2.1, 113.2.1.2). It is sugges		Update the table per the comment.
	e checked and updated as appropriate.		Proposed Response Response Status W
Proposed Response	Response Status W		PROPOSED ACCEPT. See comment 195 for a more complete response
PROPOSED ACCEPT			

C/ 113 SC 113.1 P71 L 16 # 274	C/ 113 SC 113.12.2 P 187 L 37 # 98
Hidaka, Yasuo Fujitsu Laboratories of	McClellan, Brett Marvell
Comment Type E Comment Status D	EZComment TypeTRComment StatusDEZ
The phrase "the type 40GBASE-T PCS, 40GBASE-T PMA, type 40GBASE-T PMD sublayer is redundant.	r" Loop timing is required, not an option. There is no need to list loop timing under Major capabilities/options. Also several PIC line items need to be corrected.
SuggestedRemedy	SuggestedRemedy
Change "the type 40GBASE-T PCS, 40GBASE-T PMA, type 40GBASE-T PMD sublayer" of line 16 with "the type 40GBASE-T PCS, PMA, and PMD sublayer".	n delete row "*LT Support of loop timing"
Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       Change as commenter describes, except "sublayer" should be "sublayers", per comment 36 Delete reference to PMD per comment 347 if it is accepted.	delete "For a PHY that can operate in loop timing mode,"
Cl 45     SC 45.2.7.13     P 50     L 29     # 101       McClellan, Brett     Marvell       Comment Type     E     Comment Status     D       extra period before 'This'       SuggestedRemedy	EZ       page 172 line 40         delete "and both devices have the same loop timing support,"         page 173 line 15         delete "and identical loop timing support"         page 193 line 21         delete rows containing MF9 and MF10         page 194 line 43         delete "Applicable only if loop timing is supported"
delete extra period before 'This'         Proposed Response       Response Status         W         PROPOSED ACCEPT. Dup of comments 34, 185	Proposed Response Response Status W PROPOSED ACCEPT.
	C/ 81SC 81.3.4.2P 68L 36# 52Hajduczenia, MarekBright House Networks
	Comment TypeEComment StatusDEZEditorial instruction is missing for text pn page 68
	SuggestedRemedy Insert the following editorial instruction on page 68, line 35: "Change second and third paragraph in 81.3.4.2, as shown below."
	Proposed Response Response Status W PROPOSED ACCEPT.

C/ 99 SC 99 Hajduczenia, Marek	P <b>6</b> Bright House	L 14	# 53		C/ <b>78</b> Marris, Arth	SC 78.1.3.3.	1 P 57 Cadence	L <b>34</b>	# 59	
Comment Type E	Comment Status D ef Editor for the project are kno			EZ	Comment T		Comment Status D			EZ
SuggestedRemedy Fill in the names for the	Chair and Chief Editor for the	project			SuggestedF Delete '		elsewhere in the document			
	Response Status W . Dup of comments 211, 227,					, SED ACCEPT	Response Status W IN PRINCIPLE. See commer remaining XREFS after impler	,		
C/ A SC A Hajduczenia, Marek	P 21 Bright House	L 1 Networks	# 54		C/ <b>45</b> Marris, Arth	SC <b>45.2.1.62</b> ur	2.1 P 40 Cadence	L <b>26</b>	# 60	
Comment Type E There is no reason to has SuggestedRemedy	Comment Status <b>D</b> ave Annex A if there are not e	ntries		EZ	Comment T Editing		Comment Status <b>D</b> rong as only the table's title has	s ben changed.		EZ
Remove Annex A - ther Proposed Response PROPOSED ACCEPT See comment 256	e is no content. <i>Response Status</i> <b>W</b> IN PRINCIPLE. Dup of comm	nents 232, 256, 2	213, 373.		То	title and rows a	and insert row in Table 45–54 a 5–54 as follows.	as appropriate.		
C/ 81 SC 81.1.7.3 McDermott, Thomas	Р <b>65</b> Fujitsu	L <b>48</b>	# 58		Proposed R PROPC	esponse DSED ACCEPT	Response Status W			
Comment Type E Double negative text is a	Comment Status D			ΕZ	C/ <b>80</b> Marris, Arth	SC <b>80.1</b> ur	P 61 Cadence	L 11	# 61	
SuggestedRemedy Recommend revising to	):				<i>Comment T</i> No editi	ype ER ng instruction fo	Comment Status D or Figure 80.1			EZ
	operation supports full duplex outputs they support either EEE			ates		diting instruction				
Proposed Response PROPOSED ACCEPT	Response Status W				"Replac Proposed R	0	with the following:" Response Status W			

C/ 81         SC 81.1         P 65         L 10         #         62           Marris, Arthur         Cadence         62	C/         113         SC         113.7.3.2.1         P 180         L 30         #         471           DiMinico, Christopher         MC Communications         MC         MC
Comment Type ER Comment Status D Incorrect editing instruction	EZ         Comment Type         ER         Comment Status         D         EZ           Change variable name EI to AACRF to align with parameter name
SuggestedRemedy Change Change Figure 81-1 as follows:	SuggestedRemedy Change variable name EI to AACRF and in equation 113-42
To Replace Figure 81-1 as follows:	Proposed Response Response Status W PROPOSED ACCEPT.
Also fix key at bottom of Figure 81.1	C/         113         SC         113.1.3         P 72         L 42         # 67           Marris, Arthur         Cadence
Proposed Response Response Status W PROPOSED ACCEPT.	Comment Type T Comment Status D EZ
C/         81         SC         81.1.7.3         P 65         L 49         # 63           Marris, Arthur         Cadence         Cadence         Cadence         Cadence         Cadence	Change "10000 Mb/s" to "10 Gb/s" SuggestedRemedy Change "10000 Mb/s" to "10 Gb/s"
Comment Type         T         Comment Status         D           Text should be reworded for clarity and there is an extra full stop.	EZ Proposed Response Response Status PROPOSED ACCEPT. Dup of comment 362
SuggestedRemedy Change "The RS never generates this primitive for PHYs that do not support either EEE or Link Interruption" To "The RS never generates this primitive for PHYs that support neither EEE nor Link Interruption	Cl       113       SC       113.7.2.4.5       P 178       L 28       #       470         DiMinico, Christopher       MC Communications       MC Communications       EZ         Comment Type       ER       Comment Status       D       EZ         n."       Change variable name EI to ACRF to align with parameter name       EZ
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 58	SuggestedRemedy Change variable name EI to ACRF and in equation 113-38
Cl         45         SC         45.2.1         P 37         L 11         # 90           Mark, Laubach         Broadcom Corporation         Broadcom Corporation <td< td=""><td>Proposed Response Response Status W PROPOSED ACCEPT.</td></td<>	Proposed Response Response Status W PROPOSED ACCEPT.
Comment Type ER Comment Status D "as appropriate" does not give explicit instructions to the IEEE editors.	EZ         C/         45         SC         45.2.1.8         P 39         L 21         # 99           McClellan, Brett         Marvell
SuggestedRemedy Replace all uses of "as appropriate" in this clause with explicit instruction to the IEEE editors	Comment Type E Comment Status D EZ extra period before 'PMD'
Proposed Response Response Status W PROPOSED ACCEPT.	SuggestedRemedy remove extra period before 'PMD'
	Proposed Response Response Status W PROPOSED ACCEPT.

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

Topic **EZ** 

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C/ 99 SC 0 Frazier, Howard	P <b>3</b> Broadcom Co	L <b>1</b> rporation	# 449		C/ 113 SC 113.1.2 Marris, Arthur	P <b>72</b> Cadence	L 7	# 66
Comment Type ER I believe that we agreed	Comment Status D that this would be an amendn	nent to IEEE Std	802.3-201x.	EZ	<i>Comment Type</i> <b>TR</b> XLGMII is never physi	Comment Status D cally implemented.		Ε
SuggestedRemedy Change year of base st Proposed Response PROPOSED ACCEPT	andard in the header to be 201 Response Status W	х.			interface, it is recogniz	' architecture specified in this ed that the XLGMII interface ed on other IEEE defined 40G	need not be physic	cally implemented. Chip
C/ <b>99</b> SC <b>0</b> Frazier, Howard Comment Type <b>ER</b>	P 3 Broadcom Co Comment Status D	L <b>13</b> rporation	# 450	EZ	To The 40GBASE-T PHY	' service interface is the XLG y connect to the 40 Gb/s Atta		
Missing title of amendm SuggestedRemedy Provide complete title of Proposed Response PROPOSED ACCEPT	amendment in the boxed text Response Status W	"This introductic	on is not part of"			PCS defined in Clause 82. ptional" from Figure 113-1 <i>Response Status</i> W T.		
C/ 99 SC 0 Frazier, Howard	P 18 Broadcom Co	L 28	# 451		C/ 78 SC 78.1 Frazier, Howard	P <b>57</b> Broadcom (	L <b>8</b> Corporation	# 456
Comment Type E	Comment Status D subclause number and subcl		table of contents at I	<i>EZ</i> ine	Comment Type E Missing space in "the1 SuggestedRemedy Change to "the 10GB/			E
Proposed Response	Response Status W IN PRINCIPLE. See comme	nt 255			Proposed Response PROPOSED ACCEP	Response Status W T IN PRINCIPLE. See comm	ent 41	
C/ <b>00</b> SC <b>0</b> Frazier, Howard	P <b>25</b> Broadcom Co	L 54	# 453		C/ <b>99</b> SC <b>99</b> Law, David	<i>Р</i> <b>6</b> НР	L <b>1</b>	# 467
Comment Type ER Copyright year is incorre	Comment Status D			ΕZ	Comment Type E Please include the wor <ieee_p802d3bq_w< td=""><td>Comment Status D king group balloter list suppli G_names.pdf&gt;.</td><td>ed in the file</td><td>Ε</td></ieee_p802d3bq_w<>	Comment Status D king group balloter list suppli G_names.pdf>.	ed in the file	Ε
					SuggestedRemedy See comment.	-		
SuggestedRemedy Change to 2015.								

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: Topic

	P 64	L 27	# 468	C/ <b>45</b>	SC 45.2.1.79.	.1 <i>P</i> 42	L 30	# 420	
DiMinico, Christopher	MC Communio	cations		Zimmerma	ı, George	CME Consultir	ng		
Comment Type E C	omment Status D		E		51	Comment Status D			ΕZ
Correct table 113-18 heading				Missin	J reference for fr	_rx_counter and fr_tx_counter	in 40GBASE-T,	clause 113	
SuggestedRemedy				Suggested	Remedy				
Change: NEXT loss TO: MDI	NEXT loss					rences in both line 30 (45.2.1. 13.4.5.4 for 40GBASE-T."	79.1) and 38 (45	5.2.1.79.2):	
	esponse Status W			Proposed I		Response Status W			
PROPOSED ACCEPT.				,	OSED ACCEPT.	•			
C/ 113 SC 113.1	P <b>71</b>	L 17	# 275	· · · · · · · · · · · · · · · · · · ·					
Hidaka, Yasuo	Fujitsu Labora	itories of		C/ 113	SC 113.8.2.2		<i>L</i> 31	# 414	
Comment Type E C	comment Status D		E		, 0	CME Consultir	ng		
The "the" before "PMD subla	/er" on line 17 is not need	ded.		Comment	<i>,</i> , –	Comment Status D			EZ
SuggestedRemedy						s on the relationship, not on the	e frequency in M	iHz	
Renive "the" before "PMD su	player" on line 17.			Suggested	-				
Proposed Response Re PROPOSED ACCEPT IN PR	esponse Status W RINCIPLE. Delete referer	nce to PMD suble	yer in entirety if 347 is	reads '	When the transm	tter is transmitting random or p nitter is transmitting random or eq 113-46) where f is the fre	pseudo random	data, the common-r	
accepted.				Proposed I	Response	Response Status W			
C/ 113 SC 113.1.3.1	P 76	L 1	# 68	PROP	OSED ACCEPT.				
Marris, Arthur	Cadence			C/ 113	SC 113.12.1.	2 <i>P</i> 187	L 20	# 308	
				0/113					
	comment Status D		E	7			-	<del>"</del>   308	
	omment Status D		E	Z Hidaka, Ya	SUO	Fujitsu Labora	-	# 300	F7
Comment Type ER C Heading depth wrong.	omment Status D		E	Z Hidaka, Ya Comment	suo Type E	Fujitsu Laborat Comment Status D	-	# 300	EZ
Comment Type ER C Heading depth wrong. SuggestedRemedy Promote to heading 2:			Ε	Z Hidaka, Ya Comment T "Claus	suo <i>Type</i> <b>E</b> e 98" should be "	Fujitsu Laborat Comment Status D	-	# 1303	EZ
Comment Type ER C Heading depth wrong. SuggestedRemedy			E	Z Hidaka, Ya Comment "Claus Suggested	suo <i>Type</i> <b>E</b> e 98" should be " <i>Remedy</i>	Fujitsu Labora <i>Comment Status</i> <b>D</b> Clause 113".	tories of	# [303	EZ
Comment Type ER C Heading depth wrong. SuggestedRemedy Promote to heading 2:	yer (PCS)	Τ"	E.	Z Hidaka, Ya Comment "Claus Suggested Chang	suo Type <b>E</b> e 98" should be " <i>Remedy</i> e "Clause 98" on	Fujitsu Labora <i>Comment Status</i> <b>D</b> Clause 113". line 20, page 187 with "Clause	tories of	# [303	EZ
Comment Type ER C Heading depth wrong. SuggestedRemedy Promote to heading 2: 113.2 Physical Coding Subla	ver (PCS) Operation of 40GBASE-			Z Hidaka, Ya Comment "Claus Suggested Chang Proposed I	suo Type <b>E</b> e 98" should be " <i>Remedy</i> e "Clause 98" on	Fujitsu Laborat Comment Status D Clause 113". line 20, page 187 with "Clause Response Status W	tories of	# [303	EZ
Comment Type ER C Heading depth wrong. SuggestedRemedy Promote to heading 2: 113.2 Physical Coding Sublat Consider promoting "113.1.3 Consider restructuring docum later in the document.	ver (PCS) Operation of 40GBASE-			Z Hidaka, Ya Comment "Claus Suggested Chang Proposed I	suo Type E e 98" should be " Remedy e "Clause 98" on Response	Fujitsu Laborat Comment Status D Clause 113". line 20, page 187 with "Clause Response Status W	tories of	# [300	EZ

C/ 45 SC 45.2.1.64.1 P 41 L 1	<b>3</b> # 430	C/ <b>45</b>	SC 45.2.1		P 37	L <b>26</b>	# 312	
Zimmerman, George CME Consulting		Hidaka, Y	asuo	Fu	ijitsu Laboratories	s of		
Comment Type E Comment Status D		EZ Comment	Type E	Comment Sta	tus <b>D</b>			EZ
missing space between 113.4.2.5 and "and"				5.2.1.71 thru 45.2.1	.83 for register 1.	134 through	1.147	
SuggestedRemedy			ble 45-3 are not co	orrect.				
insert space after "113.4.2.5"		Suggeste						
Proposed Response Response Status W			ge subclause nun ster subclause	nbers as follows:				
PROPOSED ACCEPT.		1.134	45.2.1.67					
C/ 28C SC 28C.11 P 27 L 2	<b>1</b> # 310	1.135 ■ 1.136						
Hidaka, Yasuo Fujitsu Laboratories of		1.137						
Comment Type E Comment Status D		1.138 <i>EZ</i> 1.139						
"Clause 55" is followed by "(10GBASE-T)", but "Clause 113" is	pot followed by "(40CBASE		-					
	TIOLIONOWED BY (40GBASE	1.141						
SuggestedRemedy		1.142	45.2.1.75					
Insert "(40GBASE-T)" after "Clause 113".		1.143						
Droposed Despense		1 144	45.2.1.77					
, ,		1.145	through 1.146 4	45.2.1.78				
PROPOSED ACCEPT. Dup of comment 410		1.145 1.147	through 1.146 4 45.2.1.79					
PROPOSED ACCEPT. Dup of comment 410	<b>2</b> # 311	1.145 1.147	through 1.146 4	45.2.1.78 Response Stat	us <b>W</b>			
PROPOSED ACCEPT. Dup of comment 410           Cl 30         SC 30.2.5         P 29         L 1	<b>2</b> # <u>311</u>	1.145 1.147 Proposed	through 1.146 4 45.2.1.79	Response Stat	us <b>W</b>			
PROPOSED ACCEPT. Dup of comment 410 <i>CI</i> 30 SC 30.2.5 <i>P</i> 29 <i>L</i> 1 Hidaka, Yasuo Fujitsu Laboratories of	<b>2</b> # <u>311</u>	1.145 1.147 Proposed	i through 1.146 45.2.1.79 <i>Response</i> POSED ACCEPT	Response Stat		L 29	# 429	
PROPOSED ACCEPT. Dup of comment 410 <i>Cl</i> 30 SC 30.2.5 <i>P</i> 29 <i>L</i> 1 Hidaka, Yasuo Fujitsu Laboratories of		1.145 1.147 Proposed PRO EZ CI <b>30</b>	6 through 1.146 45.2.1.79 I Response	Response Stat		L 29	# 429	
PROPOSED ACCEPT. Dup of comment 410         Cl 30       SC 30.2.5       P 29       L 1         Hidaka, Yasuo       Fujitsu Laboratories of         Comment Type       E       Comment Status       D	ins "10G/40GBASE-T Opera	1.145 1.147 Proposed PRO EZ CI <b>30</b>	i through 1.146 45.2.1.79 <i>Response</i> POSED ACCEPT SC <b>30.5.1.1.</b> an, George	Response Stat	P <b>34</b> ME Consulting	L 29	# 429	EZ
PROPOSED ACCEPT. Dup of comment 410         Cl 30       SC 30.2.5       P 29       L 1         Hidaka, Yasuo       Fujitsu Laboratories of         Comment Type       E       Comment Status       D         The updated cell in the header row of Table 30-1e which contai       Margin package (condi-" is not big enough, and some texts are	ins "10G/40GBASE-T Opera	1.145 1.147 Proposed PRO EZ C/ 30 EZ Zimmerm Comment	i through 1.146 45.2.1.79 Response POSED ACCEPT SC <b>30.5.1.1.</b> an, George <i>Type</i> <b>E</b>	Response Stat 7. 24 Cl	P <b>34</b> ME Consulting <i>tus</i> <b>D</b>			EZ
PROPOSED ACCEPT. Dup of comment 410         Cl 30       SC 30.2.5       P 29       L 1         Hidaka, Yasuo       Fujitsu Laboratories of         Comment Type       E       Comment Status       D         The updated cell in the header row of Table 30-1e which contai       Margin package (condi-" is not big enough, and some texts are         Same problem in page 30 and 31.	ins "10G/40GBASE-T Opera	1.145 1.147 Proposed PRO EZ CI 30 ating Zimmerm Comment Missi	i through 1.146 45.2.1.79 Response POSED ACCEPT SC <b>30.5.1.1.</b> an, George <i>Type</i> <b>E</b>	Response Stat <b>24</b> Cl Comment Sta ause 113 40GBAS	P <b>34</b> ME Consulting <i>tus</i> <b>D</b>			EZ
PROPOSED ACCEPT. Dup of comment 410         Cl 30       SC 30.2.5       P 29       L 1         Hidaka, Yasuo       Fujitsu Laboratories of         Comment Type       E       Comment Status       D         The updated cell in the header row of Table 30-1e which contai       Margin package (condi-" is not big enough, and some texts are         Same problem in page 30 and 31.         SuggestedRemedy	ins "10G/40GBASE-T Opera	1.145 1.147 Proposed PRO EZ CI 30 ating Zimmerm Comment Missi	i through 1.146 45.2.1.79 Response POSED ACCEPT SC 30.5.1.1. an, George Type E ng reference to cla .1.1.24) and 42 (3	Response Stat <b>24</b> Cl Comment Sta ause 113 40GBAS	P <b>34</b> ME Consulting <i>tus</i> <b>D</b>			EZ
PROPOSED ACCEPT. Dup of comment 410         Cl 30       SC 30.2.5       P 29       L 1         Hidaka, Yasuo       Fujitsu Laboratories of         Comment Type       E       Comment Status       D         The updated cell in the header row of Table 30-1e which contai       Margin package (condi-" is not big enough, and some texts are         Same problem in page 30 and 31.	ins "10G/40GBASE-T Opera	1.145 1.147 Proposed PRO EZ Cl 30 Zimmerm Comment Missi (30.5 Suggeste	i through 1.146 45.2.1.79 Response POSED ACCEPT SC 30.5.1.1. an, George Type E ng reference to cla 1.1.24) and 42 (3 dRemedy	Response Stat <b>24</b> Cl Comment Sta ause 113 40GBAS	P <b>34</b> ME Consulting <i>tus</i> <b>D</b> E-T fast retrains,	same issue o		EZ
PROPOSED ACCEPT. Dup of comment 410         Cl 30       SC 30.2.5       P 29       L 1         Hidaka, Yasuo       Fujitsu Laboratories of         Comment Type       E       Comment Status       D         The updated cell in the header row of Table 30-1e which contai       Margin package (condi-" is not big enough, and some texts are         Same problem in page 30 and 31.         SuggestedRemedy         Make the header row taller to include the whole text.         Apply same changes to page 30 and 31 as well.	ins "10G/40GBASE-T Opera	1.145 1.147 Proposed PRO EZ CI 30 EZ CI 30 Zimmerm Comment Missi (30.5 Suggeste replace	i through 1.146 45.2.1.79 Response POSED ACCEPT SC 30.5.1.1. an, George Type E ng reference to cla 1.1.24) and 42 (3 dRemedy	Response Stat <b>24</b> Cl <i>Comment Sta</i> ause 113 40GBAS 30.5.1.1.25)	P 34 ME Consulting <i>tus</i> D E-T fast retrains, 113.4.5.4" in two	same issue o		EZ
PROPOSED ACCEPT. Dup of comment 410         Cl 30       SC 30.2.5       P 29       L 1         Hidaka, Yasuo       Fujitsu Laboratories of         Comment Type       E       Comment Status       D         The updated cell in the header row of Table 30-1e which contai       Margin package (condi-" is not big enough, and some texts are         Same problem in page 30 and 31.       SuggestedRemedy         Make the header row taller to include the whole text.	ins "10G/40GBASE-T Opera	1.145 1.147 Proposed PRO EZ CI 30 ating Zimmerm Comment Missi (30.5 Suggeste replac Proposed	i through 1.146 45.2.1.79 Response POSED ACCEPT SC 30.5.1.1. an, George Type E ng reference to cla .1.1.24) and 42 (3 dRemedy ce "and 55.4.5.1"	Response Stat <b>24</b> Cl Comment Sta ause 113 40GBAS 30.5.1.1.25) with "55.4.5.1 and Response Stat	P 34 ME Consulting <i>tus</i> D E-T fast retrains, 113.4.5.4" in two	same issue o		EZ

C/ <b>45</b>	SC 45.5.3.2	P <b>52</b>	L <b>4</b>	# 189		C/ 45 SC 45.2.1.64.1 P 41 L 13 # 315
Anslow, Pete		Ciena				Hidaka, Yasuo Fujitsu Laboratories of
Comment Typ Headings		Comment Status <b>D</b> sing and table heading rows a	are not shown		ΕZ	Comment TypeEComment StatusDE2A white space is missing between "113.4.2.5" and "and".
SuggestedRe Add head						SuggestedRemedy Change "113.4.2.5and" with "113.4.2.5 and".
45.5.3 45.5.3.2 45.5.3.6 45.5.3.7						Proposed Response Response Status W PROPOSED ACCEPT.
45.5.3.9	heading rows f	or the various tables.				C/         113         SC         113.7.2.3         P 175         L 3         # 305           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of
Proposed Res PROPOS	sponse SED ACCEPT.	Response Status W				Comment Type E Comment Status D Ez "10" of "log10" should be subscript.
C/ <b>30</b> Zimmerman, (	SC 30.5.1.1.19 George	P 33 CME Consultir	L <b>28</b> ng	# 428		SuggestedRemedy Use subscript for "10" of "log10" in the following locations:
should be SuggestedRe Replace " Proposed Res	s for the 10/400 10GBASE-T c emedy 10/40GBASE_	Comment Status D BBASE-T PMA, as though the or 40GBASE-T PMA. occurs T PMA" with "10G or 40GBAS Response Status W	in 30.5.1.1.19, 2	20, 21, 22.	<i>EZ</i> aning	2 locations in equation (113-27), line 3, page 175 2 locations in equation (113-28), line 28, page 175 2 locations in equation (113-29), line 40, page 175 2 locations in equation (113-30), line 2, page 176 2 locations in equation (113-31), line 28, page 176 2 locations in equation (113-32), line 40, page 176 2 locations in equation (113-33), line 3, page 177 2 locations in equation (113-37), line 15, page 178 2 locations in equation (113-38), line 37, page 178
C/ <b>113</b> Hidaka, Yasud	SC <b>113.8.2.1</b>	<i>P</i> <b>183</b> Fujitsu Labora	L 12 tories of	# 306		Proposed Response Response Status W PROPOSED ACCEPT.
Comment Typ The range		<i>Comment Status</i> <b>D</b> n (113-45) is not aligned.			EZ	C/         80         SC         80.1.5         P 62         L 25         # 336           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of
SuggestedRe Aligh the	-	uation (113-45).				Comment Type         E         Comment Status         D         EZ           Vertical border line in the header row of Table 80-2 between columns 89 and 113 is thick.         EZ         EZ
Proposed Res PROPOS	sponse SED ACCEPT.	Response Status W				SuggestedRemedy Use thin line for the vertical border line in the header row of Table 80-2 between columns 89 and 113.
						Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 201

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: Topic

C/ 80 SC 80.4	P 63	L 17	# 337			C 81.5.3.7	<i>P</i> 69	L <b>5</b>	# 340	
Hidaka, Yasuo	Fujitsu Labora	itories of			Hidaka, Yasuo		Fujitsu Labora	tories of		
Comment Type E Reference to 1.4.110 is	Comment Status D updated in P802.3bx.			ΕZ	Comment Type The clause	E numbers on	Comment Status D line 5 are not correct.			EZ
SuggestedRemedy Change reference to "1	4.110" on line 17 with "1.4.117	7".			SuggestedReme Change the	-	on line 5 as follows:			
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE. See comment	t 203 for a more of	complete remedy		Insert the ne Proposed Resp		e 81.5.3.7 for Link Interruptior Response Status W	after 81.5.3.6		
C/ 113 SC 113.6.2	P <b>172</b>	L <b>40</b>	# 418		PROPOSE	D ACCEPT.				
Zimmerman, George	CME Consulti	ng			C/ 113 SC	C 113.3.2.2.	.16 <i>P</i> 98	L 51	# 342	
Comment Type E	Comment Status D			EZ	Lusted, Kent		Intel		0.12	
Loop timing support is r support" is text left over	nandatory in 40GBASE-T. "bo from 10GBASE-T.	oth devices have	the same loop timin	g	Comment Type		Comment Status D			ΕZ
SuggestedRemedy							I think it should be black text	per the IEEE sty	le guide.	
Delete: "and both device	es have the same loop timing s	upport"			SuggestedReme					
Proposed Response	Response Status W				Fix if necess	,				
PROPOSED ACCEPT					Proposed Responses PROPOSE		Response Status W			
C/ 81 SC 81.1.7.3 Hidaka, Yasuo	Р <b>65</b> Fujitsu Labora	L <b>52</b> tories of	# 339			C 113.5.3.2	P 158	L 38	# 343	
Comment Type E	Comment Status D			EZ	Lusted, Kent		Intel			
Reference to Figure 81	10a is not correct.				Comment Type	Е	Comment Status D			EZ
SuggestedRemedy					Title of 113.	5.3.2 has a l	lower case first letter.			
	igure 81-10a" on line 52 with "F	Figure 81-13".			SuggestedReme	edy				
Proposed Response	Response Status W	-			Change "tra	insmitter nor	nlinear distortion" to "Transmitt	er nonlinear dist	ortion"	
PROPOSED ACCEPT	. See comment 205 for a more	complete remed	y		Proposed Resp		Response Status W Dup of comment 416			

C/ 113 SC 113.5.3.2 Zimmerman, George	P 158 CME Consulting	L <b>37</b>	# 416		C/ <b>113</b> Hidaka, Yas	SC 113.3.2.2 suo	.21	P <b>105</b> Fujitsu Labora	L <b>24</b> atories of	# 292	
Comment Type E Comment missing capitalization in title	nt Status D			EZ	Comment T A white			t Status <b>D</b> utput)" and "LDF	PC-coded bits" or	line 24, page 105.	EZ
SuggestedRemedy replace "transmitter" with "Transmitter" Proposed Response Response PROPOSED ACCEPT. Dup of com Cl 113 SC 113.3.2.2.5	e Status W	L 30	# 281		Proposed I PROP	white space betw Response OSED ACCEPT.	Response	Status W	led bits" on line 2		
Lower left part of Figure 113-8 is blu SuggestedRemedy Use a higher resolution to import the	e lower left part of Figur e Status W	e 113-8.	n up figure 113	<i>EZ</i> -8.	Suggested Clean Proposed I	<i>Type</i> <b>E</b> up figure 113-10, <i>Remedy</i> up figure.	Comment removing vision Response	P 101 CME Consult t Status D ible edges of boo Status W	0	# 438	EZ
C/ <b>45</b> SC <b>45.2.7.11.7</b> Anslow, Pete	P <b>49</b> Ciena	L <b>5</b> 1	# 182		C/ <b>113</b> Zimmermar	SC 113.3.2.2 n, George	.5	P <b>94</b> CME Consult	L <b>3</b> ing	# 437	
Comment Type <b>E</b> Comment Because of the large number of simular re-numbering clauses is a bad idea. "after 45.2.7.11.6" should be "after 4 Also, the only editing instruction that SuggestedRemedy	15.2.7.11.7"	Ū		<i>EZ</i> e time	frames Suggested Redrav	up format of figur , then 512/513b <i>Remedy</i> v figure with sugg	e 113-8, inclu transcoding, a gested correct	aligning boxes antions.		st encoding in 64/65 ting to RS parity bits	
Change the editing instruction to: "Insert 45.2.7.11.7a after 45.2.7.11.7 Remove the underline from the new		e it to be 45.2.7.1	1.7a		Proposed PROP	Response OSED ACCEPT	,	Status W			
	e Status W				C/ <b>113</b> Hidaka, Yas Comment T There a		Commen	P <b>98</b> Fujitsu Labora t <i>Status</i> <b>D</b>	L <b>38</b> atories of	# 284	EZ
					Suggested. Chang Proposed I	Remedy e "four 65-bit bloo	cks" on line 38 <i>Response</i>	3, page 98 with ' <i>Status</i> W	eight 65-bit blocl	ss".	
TYPE: TR/technical required ER/editoria COMMENT STATUS: D/dispatched A/a					al			Topic E	Z	Page 50 of 94 4/29/2015 2:4	

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

C/         113         SC         113.3.2.2.16         P 98         L 41         #         285           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of	C/         45         SC         45.2.1.63         P 40         L 39         # 314           Hidaka, Yasuo         Fujitsu Laboratories of
Comment TypeTComment StatusDE"tx_coded<512:0>" on line 41 should be "tx_xcoded<512:0>".	Z     Comment Type     E     Comment Status     D     EZ       The text above title of 45.2.1.63 refers to 45.2.1.67.
SuggestedRemedy Change "tx_coded<512:0>" on line 41, page 98 with "tx_xcoded<512:0>".	SuggestedRemedy Change the reference to "45.2.1.67" with a reference to "45.2.1.63".
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.
C/         113         SC         113.3.2.2.16         P 100         L 3         #         286           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of	C/         113         SC         113.3.2.2.18         P 102         L 43         #         288           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of
Header row is missing in Table 113-3 in page 100. Texts are not at the center in Table 113-3 in page 100. SuggestedRemedy Add a header row to Table 113-3 in page 100. Center the texts for both of left and right columsn of Table 113-3 in page 100.	Z       Comment Type       E       Comment Status       D       EZ         A period "." is missing.       SuggestedRemedy       Add a period "." at the end of line 43, page 102.       Proposed Response       Response Status       W         PROPOSED ACCEPT.       PROPOSED ACCEPT.       V       PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT. Cl 113 SC 113.3.2.2.16 P 100 L 17 # 287	C/ 45 SC 45.5 P 52 L 14 # 435 Zimmerman, George CME Consulting Comment Type E Comment Status D EZ
Hidaka, Yasuo     Fujitsu Laboratories of       Comment Type     E     Comment Status     D     E       ")" is used where "}" should be used.     D     E       SuggestedRemedy     Change ")" in the following locations with "}":	Z Missing references on AM61 and AM62 SuggestedRemedy Insert cross references to 45.2.7.10, 10G/40GBASE-T AN control register. Proposed Response Response Status W PROPOSED ACCEPT.
Page 100, line 17         Page 100, line 31         Page 100, line 40         Proposed Response       Response Status         W         PROPOSED ACCEPT.	Cl 113       SC 113.8.2.2       P 183       L 25       # 307         Hidaka, Yasuo       Fujitsu Laboratories of       E       Comment Status       D       EZ         The range of f in equation (113-46) is not aligned.       SuggestedRemedy       Aligh the range of f in equation (113-46).
	Proposed Response Response Status W PROPOSED ACCEPT.

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

C/ 113 SC 113.3.2.2.20 Hidaka, Yasuo	D P 103 Fujitsu Laboratorie	L <b>36</b> es of	# 291	C/         45         SC         45.2.3.14.3         P 47         L 19         #         432           Zimmerman, George         CME Consulting                 432                432
Comment Type E ")" is used where ">" shou	Comment Status D		EZ	Comment Type E Comment Status D Missing reference to clause 113.
SuggestedRemedy Change "<(185-i)8 + j)" wi				SuggestedRemedy Change, "Ifer_count variable in 55.3.6.2 for 10G/40GBASE-T." to "Ifer_count variable in 55.3.6.2 for 10GBASE-T and in 113.3.6.2.2 for 40GBASE-T."
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 366
C/ 113 SC 113.7.3.2.1 Zimmerman, George	P 181 CME Consulting	L <b>5</b>	# 412	C/         113         SC         113.3.2.3         P 108         L 9         # 294           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of
Comment Type E Text says PSANEXT, but SuggestedRemedy	Comment Status <b>D</b> is obviously about PSAACRF.		EZ	Comment Type     T     Comment Status     D       The XLGMII and PMA sublayer data rate ratio should be 25:128.
	esult at that frequency is for info for information only."	rmation only." wi	th "the PSAACRF	SuggestedRemedy Change "25:64" on line 9, page 108 with "25:128".
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response Response Status W PROPOSED ACCEPT.
Cl         45         SC         45.2.7.11.7           Zimmerman, George         X <td< td=""><td>P 50 CME Consulting</td><td>L <b>3</b></td><td># 434</td><td>C/         113         SC         113.3.6.2.2         P 117         L 31         #         296           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of</td></td<>	P 50 CME Consulting	L <b>3</b>	# 434	C/         113         SC         113.3.6.2.2         P 117         L 31         #         296           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of
Comment Type E typo "in is"	Comment Status D		EZ	Comment Type E Comment Status D Indentation is not correct for line 31 through line 38 in page 117.
SuggestedRemedy delete "in"				SuggestedRemedy Add the following indentation:
Proposed Response PROPOSED ACCEPT IN	Response Status W PRINCIPLE. See comment 193	3		One level to line 31, page 117. Two levels to line 33, page 117. Three levels to line 35 through 38, page 117.
	<b>D</b> /-	L 34	# 433	Proposed Response Response Status W
	P 49 CME Consulting			PROPOSED ACCEPT. See comment 481
Zimmerman, George	-		EZ	PROPOSED ACCEPT. See comment 481
Zimmerman, George Comment Type E typo - "in" shoiuld be "is" SuggestedRemedy	CME Consulting	ntained"	EZ	PROPOSED ACCEPT. See comment 481

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: Topic

C/         113         SC         113.3.7.2         P         123         L         19         #         297           Hidaka, Yasuo         Fujitsu Laboratories of         Fuj		C/         113         SC         113.5.4.6.1         P 163         L 2         # 300           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of					
Comment Type E Comment Status D Dashed lines in Figure 113-17 at the middle left and the bottom left are inconsistent with bottom right and not clear. SuggestedRemedy Use the same dashed line at the middle left and the bottom left in Figure 113-17 ad the b right.							
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 367 for more complete remedy		PROPOSED ACCEPT. 					
C/       113       SC       113.4.2.5.6       P       136       L       5       #       298         Hidaka, Yasuo       Fujitsu Laboratories of       Fujitsu Laboratories of       E       Comment Status       D         The right most column of Table 113-10 is narrow to fit the header row in two lines.       P       113       113       113	EZ	Hidaka, Yasuo     Fujitsu Laboratories of       Comment Type     T       Comment Status     D       The coefficient g_6 of x^6 is missing in equation (113-3).       It is not necessary, because g_6 is always 1.					
SuggestedRemedy Increase the width of the right most column of Table 113-10. Proposed Response Response Status W PROPOSED ACCEPT.		However, it is recommended to include for consistency with figure 113-12. SuggestedRemedy Add coefficient g_6 in front of x^6 in equation (113-3). Proposed Response Response Status W					
C/         45         SC         45.2.3.13         P         45         L         10         #         431           Zimmerman, George         CME Consulting         CME		PROPOSED ACCEPT.					
Comment Type       E       Comment Status       D         Table 45-128 description of bit 3.32.12 should insert new text before "PCS", not after.         SuggestedRemedy         Change "0 - BASE-R or 10GBASE-T PCS or 40GBASE-T receive" to ""0 - BASE-R or 10GBASE-T or 40GBASE-T PCS receive"         Proposed Response       Response Status         W         PROPOSED ACCEPT.	ΕΖ	Cl 45       SC 45.2.1.12.10       P 40       L 2       # 377         Remein, Duane       Huawei Technologies       #       377         Comment Type       ER       Comment Status       D       E2         Subclause number is incorrect:       45.2.1.12.10 40GBASE-T ability (1.13.6)       E2       #       377         SuggestedRemedy       Change to 45.2.1.12.9a in heading and Editing Instruction.       (See P802_3xx_D0p1_version_2p3 pg 15 ln 31 for conventions)       Proposed Response       Response Status       W         PROPOSED ACCEPT.       E2       #       377					

C/ <b>113</b> SC <b>113.5.2</b> Zimmerman, George	P 155 CME Consultin	L <b>2</b>	# 415		C/ 45 SC 45.2.3.14.3 Remein, Duane	P <b>47</b> Huawei Tech	L 19	# 366
Comment Type E	Comment Status D incorrect relative to clause 45	0		ΕZ		ment Status D	C	<i>EZ</i> counter
SuggestedRemedy Change "(40GBASE-T Co Proposed Response PROPOSED ACCEPT.	ontrol Register)" to "(10G/40G Response Status W	BASE-T test r	node register)"		The same issues appears in 45. <i>SuggestedRemedy</i> change "defined by the lfer_count variable		for errored_block	_count
C/ 113 SC 113.1.3.1	P 76	L <b>4</b>	# 364		"defined by counter lfer_count"			
Remein, Duane Comment Type E	Huawei Techno Comment Status D	logies		ΕZ	Proposed Response Res	onse Status W		
Clause 81 cross reference Same issue for pg 76 ln 4- SuggestedRemedy	e should be live (Cl 81 is inclu 4	ded in the draf	t) and not forest gree	n.	<i>Cl</i> <b>113</b> <i>SC</i> <b>113.3.7.2</b> Remein, Duane	P <b>123</b> Huawei Tech	L 17 nologies	# 367
Per Comment Proposed Response PROPOSED ACCEPT. Cl 113 SC 113.1.4	Response Status W	L 49	# 365		Comment Type E Com Misc issues in Figure 113–17 1) There appear to be two differe 2) Transition from TX_C to TX_[ 3) Dashed line below TX_E (arou T_TYPE(tx_raw) = (E + S).	D does not connect to	o TX_C state.	
Remein, Duane	Huawei Techno	ologies			SuggestedRemedy			
Comment Type E Why are you using an indi "See the PCS reference d SuggestedRemedy Change to "see Figure 113	iagram in 113.2."			ΕΖ	<ol> <li>Use the same pen for all dash</li> <li>Connect the line</li> <li>omit the extended leg up from</li> <li>While not required it might be earn horizontally for a bit and cond</li> <li>LI) exiting TX_T state.</li> </ol>	the dashed box (use sier to read the trans	ition states out of	TX_E if the exit paths
Proposed Response PROPOSED ACCEPT.	Response Status W				, •	onse Status W nment 297		
					<i>Cl</i> <b>113</b> <i>SC</i> <b>113.4.2.2</b> Remein, Duane	P <b>129</b> Huawei Tech	L <b>45</b> nologies	# 369
					Comment Type E Com No reason this cannot be a live n	ment Status <b>D</b> eference "45.2.1.7.4	ı.	EZ
					SuggestedRemedy Make live and remove forest gree			
						onse Status W		
TYPE: TR/technical required I COMMENT STATUS: D/dispa SORT ORDER: Topic		•		0	al n C/closed U/unsatisfied Z/withdrawn	Topic E	Z	Page 54 of 94 4/29/2015 2:42:07 P

SORT ORDER: Topic

C/ 113 SC 113.3.5.3 P 114 L 39 # 370	C/ 113 SC 113.1 P71 L 17 # 361
Remein, Duane Huawei Technologies	Remein, Duane Huawei Technologies
Comment Type E Comment Status D EZ	Comment Type E Comment Status D EZ
Apparently October is a very important month for 40G Eth. (does it work during Nov-Sep too?) :- )	I believe these three things are plural "Together, the PCS, PMA and the PMD sublayer"
So I see 51 instance of this undefined abbreviation of Octet. Surely 102 characters won't break the bank and cause an overdraft of characters!	SuggestedRemedy
SuggestedRemedy	Change "sublayer" to "sublayers"
Change all 51 instance of "Oct" to Octet There are a few instance of "octet Oct" (ex pg 134 ln 50, pg 134 Ln 17, 26, & 35) which could probably be shortened to Octet	Proposed Response Response Status W PROPOSED ACCEPT. See comment 274
Proposed Response Response Status W	CI 45 SC 45 P 37 L 3 # 376
PROPOSED ACCEPT.	Remein, Duane Huawei Technologies
Commenter may consider this text is also in Clause 55 on revisions of 802.3	Comment Type ER Comment Status D E2
And thank you for the laugh after 100 comments on missing or double periods.	Strike the bracketed text as indicate by the following note in the template: "[Notes for editors (not to be included in the published draft - not even D1.0!)"
C/A SC n/a P 21 L 1 # 373	SuggestedRemedy
Remein, Duane Huawei Technologies	per comment
Comment Type         ER         Comment Status         D         EZ           Annex A should not be included if there are no changes to it.         EZ         EZ	Proposed Response Response Status W PROPOSED ACCEPT.
SuggestedRemedy Remove Annex A	C/         81         SC         81.1         P 65         L 7         # 360           Remein, Duane         Huawei Technologies
Proposed Response Response Status W	Comment Type E Comment Status D EZ
PROPOSED ACCEPT IN PRINCIPLE. Dup of comments 232, 256, 213, 54. See comment 256	I believe this is a replacement not a change (no changes indicated in figure): "Change Figure 81-1 as follows:"
CI 28 SC 28.3 P 23 L 5 # 374	SuggestedRemedy
Remein, Duane Huawei Technologies	Change Editing Instruction to: "Replace Figure 81-1 with the following:"
Comment Type ER Comment Status D EZ	Proposed Response Response Status W
28 instances of "as appropriate" are inappropriate. You need to tell the staff editors what they are to do and not do what they think is appropriate.	PROPOSED ACCEPT IN PRINCIPLE. See comment 204 for a more complete remedy
SuggestedRemedy	
Change "as appropriate" to "as shown below" or "as follows" or similar wording that does not leave it to the editor's desecration.	
Proposed Response Response Status W	
PROPOSED ACCEPT. See comment 409. The editor shall not desecrate the standard.	

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: Topic

C/ <b>45</b>	SC 4	45.2.1.12	P 39	L <b>37</b>	# 378		C/ <b>45</b>	SC	45.2.7.10	P <b>48</b>	L <b>30</b>	# 380	
Remein, D	uane		Huawei Techr	nologies			Remein, D	Juane		Huawei Tech	nologies		
Comment <sup>·</sup>	Туре	ER	Comment Status D			ΕZ	Comment	Туре	ER	Comment Status D			ΕZ
			serting rows (only one row i n Table 45–16 as appropria		ble)?		"Inser	t new pa		ng to incorrect subclauses er 45.2.7.10.3"	and headers mis	sing section numbe	ers:
Suggested	lRemedy	/					4006	DAGE-1	capability (	.32.11)			
"Chang	ge row ir		n to read: 16 as shown."						0 1	er 45.2.7.10.6" ability (7.32.3)			
Proposed I PROP		se ACCEPT.	Response Status W				10GB	ASE-T	Fast retrain	Re-number to 45.2.7.10.8. ability (7.32.1)	n		
C/ 45	SC 4	45.2.1.62.1	P <b>40</b>	L <b>26</b>	# 379					ability (7.32.1)			
Remein, D	uane		Huawei Techr	nologies			Suggestee		ły				
	g instruct	ER tion is very o nd rows and	Comment Status <b>D</b> confusing d insert row in Table 45–54	as appropriate."		EZ		t new pa 7.10.4a		er 45.2.7.10.4 as shown." T capability (7.32.11)"			
"Chang Might a	je to read ge title in	d: 1 Table 45–4 It to drop the	54 as shown. e actual table which is not b	eing changed as	has been done in		bla bla "Chan	a bla nge title	45.2.7.10.6.	T Fast retrain ability (7.32.3 (renumbered due to above	,		
Proposed I	•		Response Status W				45.2.7 Proposed			Fast retrain ability (7.32.1)			
, PROP	, POSED A	ACCEPT IN	PRINCIPLE. itle in Table 45-54 as shown	ı."			-		ACCEPT.	Response Status W			
		nd show onl					<i>CI</i> <b>45</b> Remein, D		45.2.1.7.4	<i>Р</i> <b>38</b> Huawei Tech	L <b>52</b> nologies	# 392	
								period i		Comment Status D iting Instruction: as appropriate."			EZ
							S <i>uggested</i> Strike		<i>ly</i> ant period.				
							Proposed PROF		nse ACCEPT.	Response Status W			

CI 45 S	C 45.2.1.63	P <b>40</b>	L <b>39</b>	# 393		C/ <b>45</b>	SC 4	15.2.3.9	P 44	L 17	# 396	
Remein, Duane		Huawei Techr	nologies			Remein, D	luane		Huawei Techn	ologies		
Comment Type	Е	Comment Status D			ΕZ	Comment	Туре	Е	Comment Status D			ΕZ
"Change titl	e 45.2.1.67 to	eader number disagree: include 40GBASE-T. -T pair swap and polarity reg	jister (Register 1	.130)"		"45.2.	t period: 3.9 .EEE ^	"				
SuggestedRem	edy .2.1.67 to 45.2	0.1.60				Also y	ou are n	ot changin	g rows but a row			
0						Suggestee	dRemedy	/				
Proposed Resp PROPOSE	onse D ACCEPT.	Response Status W					ve perioo ge Editing		on to "Change row in"			
Cl <b>45</b> So Remein, Duane	C 45.2.3.7	P <b>43</b> Huawei Techr	L 38 nologies	# 394		Proposed PROF	,	se ACCEPT.	Response Status W			
Comment Type	Е	Comment Status D			ΕZ	C/ 113	SC ·	13.1.3	P 75	L <b>45</b>	# 398	
Change ma	rking in Table	45-123 indicate that the "2 1	0" at top of des	cription are being ad	lded	Remein, D	uane		Huawei Techn	ologies		
(they are un	nderlined). Thi	s is not the case.				Comment	Type	т	Comment Status D			ΕZ
SuggestedRem Remove un	-	e "2 1 0" header.						3 Note 1 re k signal?	efers to a "recovered_clock are	c". Is this synon	ymous with the	
Proposed Resp	onse	Response Status W						5				
	D ACCEPT.					Suggestee	dRemedy	/				
	<b>•</b> • • • • • •	<b>D</b>				Chang	ge "recov	ered_cloc	k arc" to "recovered_clock sig	nal"		
	C 45.2.3.7.6	P 44	L 10	# 395		Proposed	Respons	se	Response Status W			
Remein, Duane		Huawei Techr	lologies			PROF	POSED	REJECT.	The meaning may be interpret	ed as same, but	t arc properly indica	ates
Comment Type	_	Comment Status D			EZ	the lin	e on the	diagram, v	whereas signal connotes elect	rical properties.		
An inserted template.	subclause af	ter 45.2.3.7.5 should be desig	gnated 45.2.3.7.	5a not 45.2.3.7.6 pe	r	CI 28A	SC I	ı/a	P <b>25</b>	L 1	# 375	
	t should not b	e underlined.				Remein, D	luane		Huawei Techn	ologies		
SuggestedRem	edy					Comment	Туре	ER	Comment Status D			ΕZ
Remove un	Change to 45.2.3.7.5a in header and Editing Instruction. Remove underline					exclud	ded from		as indicated by Editors Instruct If you anticipate changes then molete?			ou are
Proposed Resp		Response Status W				Suggested						
PROPOSE	D ACCEPT.					00	-	, «28A from	n Draft.			
						Proposed			Response Status W			
						,	,		,			
						PROF	-OSED A	AUGEPT.	(dup of comments 5, 138, 24	0, 200, 203)		

C/ 45 SC 45.2.7	P 47	L 37	# 351		C/00 SC 0	P 23	L 13	# 409	
Remein, Duane	Huawei Techno				Zimmerman, George	CME Consulting			B
	<i>Comment Status</i> <b>D</b> s not appear to be changed: n Table 45–200 as appropriate.	"		EZ		Comment Status <b>D</b> te" with direct reference heric to editing instructions on the	draft		EZ
There appear to be seve SuggestedRemedy Change to read: "Change rows in Table 4 Remove excess reference		5.2.7.10			Proposed Response PROPOSED ACCEP	te" by reference to where row or te <i>Response Status</i> <b>W</b> F IN PRINCIPLE. nd replace 'as appropriate' with sp		ces and instructions.	
Proposed Response PROPOSED ACCEPT.	Response Status W				C/ 28 SC 28.3.1 Zimmerman, George	P 23 CME Consulting	L <b>5</b>	# 408	
C/ 113 SC 113.7.2.4 Zimmerman, George	5 P 178 CME Consultin	L <b>47</b> g	# 411		Comment Type E indicate where to inser	Comment Status D t row			EZ
Comment Type E title is incorrect relative t	<i>Comment Status</i> <b>D</b> o abbreviation and content			ΕZ		e" with "following row for 10GigT"			
	per power sum equal level far-e enuation to crosstalk ratio, far-e			le	Proposed Response PROPOSED ACCEP	Response Status W . See comment 409.			
Proposed Response PROPOSED ACCEPT.	Response Status W				C/ 81 SC 81.1 Lusted, Kent	P 65 Intel	L 10	# 346	
Cl 28C SC 28C.11 Zimmerman, George	P 27 CME Consultin	L <b>21</b> g	# 410			Comment Status D diting instructions on line 7 as to v	U	ng in the figure.	EZ
Comment Type E Missing reference to 400 SuggestedRemedy Insert "(40GBASE-T)" a Proposed Response PROPOSED ACCEPT.	fter "Clause 113". Response Status W			EZ	Furthermore, when co the figure and the figur SuggestedRemedy Clarify editing instructi Proposed Response	ntain any underlined text, strikeou mpared to Figure 81-1 in P802.3b e title is missing (i.e. NOTE 1, XL ons and add align missing text wit <i>Response Status</i> <b>W</b> F IN PRINCIPLE, See comment 6	x Draft 3.0, m GMII, etc) h Figure 81-1		

C/         01         SC 1.4         P 20         L 26         # 407           Zimmerman, George         CME Consulting		Cl         45         SC         45.2.3.9.8         P         44         L         35         #         348           Remein, Duane         Huawei Technologies         Huawei Technologies
Comment Type       E       Comment Status       D         Editors notes on lines 26 and 35 should be marked as being removed prior to publication	ΕZ	Comment Type       E       Comment Status       D       EZ         Should be 45.2.3.9.7a not 45.2.3.9.8 in both header and Editing Instruction.       EZ
SuggestedRemedy insert "(to be removed prior to publication)" after "Editor's Note" on lines 26 & 35.		SuggestedRemedy per comment
Proposed Response Response Status W PROPOSED ACCEPT.		Proposed Response Response Status W PROPOSED ACCEPT.
C/ 99         SC 1         P 6         L 13         # 406           Zimmerman, George         CME Consulting		C/         113         SC         113.1.3         P 72         L 42         # 362           Remein, Duane         Huawei Technologies         Huawei Technologies         Huawei Technologies         Huawei Technologies
Comment Type       E       Comment Status       D         Missing task force chair and task force editor in chief and designation of task force       SuggestedRemedy	ΕZ	Comment Type         E         Comment Status         D         EZ           Is there some good reason to use 10000 Mb/s here rather than 10 Gb/s? It would certainly make the sentence more readable.         EZ         EZ
Replace "FirstName SecondName IEEE P802.3xx" with: "David Chalupsky IEEE P802.3bq" as Task Force Chair "George Zimmerman IEEE P802.3bq" as Task Force Editor-in-Chief		SuggestedRemedy change 10000 Mb/s to 10 Gb/s Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT. Dup of comments 53, 211, 227		PROPOSED ACCEPT. Dup of comment 67
C/ 113 SC 113 P 71 L 1 # 347 Lusted. Kent Intel		Cl         45         SC         45.2.3.14         P 46         L 22         # 350           Remein, Duane         Huawei Technologies         Huawei Technologies         Huawei Technologies         Huawei Technologies
Comment Type ER Comment Status D The title "Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer,	EZ	Comment Type         E         Comment Status         D         EZ           Title for Table 45-129 does not appear to have change marking (may just be a frame issue but should be fixed)         EZ         EZ         EZ
Physical Medium Dependent (PMD) sublayer, and baseband medium, type 40GBASE-T" states that a PMD sublayer is present in the 40GBASE-T PHY.		SuggestedRemedy Show mark-up in title.
However, no PMD is listed in the architectural diagram nor specified in the text of Clause 113 Clause 55 title does not use PMD nor it PMD defined in the Clause 55 text	3.	Proposed Response Response Status W PROPOSED ACCEPT.
SuggestedRemedy Suggest updating the title to align with clause 55. Something like "Physical Coding Sublayer	r	
(PCS), Physical Medium Attachment (PMA) sublayer and baseband medium, type 40GBAS T".	E-	
Also remove PMD reference in first and second paragraph of Cl 113.1		
Proposed Response Response Status W PROPOSED ACCEPT.		

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

C/ 80 SC 80.1.3	P 61	L 10	# 436		C/ 45 SC 45.2.7.13 P 51 L 1 # 354	
Zimmerman, George	CME Consulti	ng			Remein, Duane Huawei Technologies	
Comment Type E	Comment Status D			EZ	Comment Type E Comment Status D	ΕZ
Missing editing instruction	n				Only changing one row and excessive use of periods	
SuggestedRemedy					"Change rows in Table 45–210 as appropriate"	
Insert editing instruction					SuggestedRemedy	
Change Figure 80-1 as f					Change to "Change row in Table 45–210 as appropriate."	
Proposed Response	Response Status W IN PRINCIPLE. See commen	+ 201			Proposed Response Response Status W	
	IN FRINCIFLE. See commen	1 301			PROPOSED ACCEPT IN PRINCIPLE. See comment 186	
C/ 45 SC 45.2.7.11	P <b>49</b>	L <b>6</b>	# 352		C/ 45 SC 45.2.7.13.10 P 51 L 16 # 355	
Remein, Duane	Huawei Techr	nologies			C/         45         SC         45.2.7.13.10         P 51         L 16         #         355           Remein, Duane         Huawei Technologies	
Comment Type E	Comment Status D			ΕZ	Comment Type E Comment Status D	ΕZ
Stray period.	n Table 45–208 as appropriat	·• "			Incorrect inserted para number:	EZ
	11 Table 43-200 as appropriat				"Insert new paragraph after 45.2.7.13.9 and re-number remaining clauses accordingly.	
SuggestedRemedy					45.2.7.13.10 40GBASE-T EEE supported (7.60.9)"	
strike.					Excessive use of underlined (not needed for inserts)	
Proposed Response	Response Status W				SuggestedRemedy	
PROPOSED ACCEPT	IN PRINCIPLE. See commen	t 30 for more co			Change 45.2.7.13.9 to 45.2.7.13.4 in Editing Instruction Change 45.2.7.13.10 to 45.2.7.13.4a in header Remove underlining	
C/ 45 SC 45.2.7.11.		<i>L</i> 1	# 353		Proposed Response Response Status W	
Remein, Duane	Huawei Techr	nologies			PROPOSED ACCEPT.	
Comment Type E	Comment Status D			ΕZ		
Inserted para numbering "Insert new paragraph af					Cl 45         SC 45.2.7.13.10         P 51         L 23         # 356           Remein, Duane         Huawei Technologies         Huawei Technologies         Huawei Technologies	
	40GBASE-T capability (7.33	3.8)"			-	
Also:	T Fact actually ability (7.00.0)				Comment Type E Comment Status D Only changing one row:	ΕZ
	T Fast retrain ability (7.33.0)" T Fast retrain ability (7.33.1)	"			"Change rows in Table 45–211"	
SuggestedRemedy	,				SuggestedRemedy	
Change 45.2.7.11.7 to 4	5.2.7.11.6a				Change rows to row	
Change 45.2.7.11.9 to 4					Proposed Response Response Status W	
Change 45.2.7.11.10 to					PROPOSED ACCEPT IN PRINCIPLE. See comment 188	
Proposed Response	Response Status W					
PROPOSED ACCEPT.	See comments 31, 33, 184					

C/ 99 SC 1 Zimmerman, George	P 1 CME Consulti	L <b>29</b>	# 405		Cl         80         SC         80.1.5         P 62         L 50         # 359           Remein, Duane         Huawei Technologies	
Comment Type E front matter is missing ba	Comment Status D	5		EZ	Comment Type E Comment Status D Excessive use of forest green text "Table 80-2"	EZ
SuggestedRemedy Replace "[review/balloting	g stage]" by "Working Group I	pallot"			SuggestedRemedy change color to black	
Proposed Response PROPOSED ACCEPT.	Response Status W Dup of comments 252, 474, 2	208			Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 202 for a more complete remed Apologies from a red-green colorblind editor.	ly
C/ <b>45</b> SC <b>45.5</b> Remein, Duane	P <b>52</b> Huawei Techn	L <b>4</b> ologies	# 357		Cl         45         SC         45.2.3.13         P 44         L 39         # 349           Remein, Duane         Huawei Technologies	
Comment Type E More rows of "rows" that Pg In 52 4 52 13 53 1	Comment Status D should be rows or "row"			EZ	Comment Type       E       Comment Status       D         Editing Instructions should be consistent:       "Change paragraph of 45.2.3.13"         Same issue in 45.2.3.13.1, 45.2.3.13.4, 45.2.3.13.5, & 45.2.3.14	EZ
Isn't editing CI 45 a pain' SuggestedRemedy	? This too shall pass :-)				SuggestedRemedy Change to read: "Change title and paragraph of 45.2.3.13"	
per comment Proposed Response PROPOSED ACCEPT.	Response Status W				Proposed Response Response Status W PROPOSED ACCEPT.	
C/ 78 SC 78.1.3.3.1 Remein, Duane	P <b>57</b> Huawei Techn	L 11 ologies	# 358			
Comment Type E No need to include text th "Change text in clause 7 There are also thee stray	00	ion (ln 34, 51 &	pg 58 ln 2).	EZ		
Remove the first 6 paras No data frames are lost of Remove stray " <xref>"</xref>	in clause 78.1.3.3.1 as follows :: "When the start of "Assert L or corrupted during the transiti "s ure 78–4 and WARNING follo	PI" encoding on on to or from the		l,		
Proposed Response PROPOSED ACCEPT.	Response Status W	-				

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

C/ 113         SC 113.7.2.3         P 175         L         # 220           Shariff, Masood         CommScope         CommScope         CommScope	C/A         SCA         P 21         L 1         # 232           Booth, Brad         Microsoft	
Comment Type       T       Comment Status       D       EZ         Duplicate specifications at 10, 100, 1000 MHz because of using the <= sign for the upper frequencies in the ranges	Comment Type E Comment Status D No bibliography	E
SuggestedRemedy	SuggestedRemedy	
Replace <= at these upper frequencies in the ranges with < in equatin 113-27	Remove Annex A Proposed Response Response Status W	
Also update equation 113-27 to use the latest TIA-568-C.2-1 draft 3.1 RL equations for consitency with equations other paramters.	PROPOSED ACCEPT IN PRINCIPLE. Dup of comments 54, 256, 213, 373. See comment 256	
19.0 $1 \le f \le 10$ 24-5log(f) $10 \le f \le 40$ 16.0 $40 \le f \le 420$	CI 78         SC 78.1         P 57         L 9         # 233           Booth, Brad         Microsoft	
16.0 40 <= f < 130 35-9log(f) 130 <= f < 1000 8 dB 1000 <= f <= 2000	Comment Type E Comment Status D Missing a space between "the" and "10GBASE-T"	E
Proposed Response Response Status W PROPOSED ACCEPT.	SuggestedRemedy Add space.	
C/ 00         SC 0         P 4         L 19         # 254           Grow, Robert         RMG Consulting	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 41	
Comment Type E Comment Status D EZ	C/ 80 SC 80.1.4 P 61 L 49 # 235	
Might want to add an editors note here for the publication editor to insert descriptions of any other amendments approved before or at the same SASB meeting (take text from the approved	Booth, Brad Microsoft	
Might want to add an editors note here for the publication editor to insert descriptions of any other amendments approved before or at the same SASB meeting (take text from the approved amendment front matter).	Comment Type E Comment Status D	E
other amendments approved before or at the same SASB meeting (take text from the approved amendment front matter). SuggestedRemedy	Comment Type E Comment Status D Twisted-pair should be hyphenated.	E.
other amendments approved before or at the same SASB meeting (take text from the approved amendment front matter). SuggestedRemedy See comment.	Comment Type E Comment Status D Twisted-pair should be hyphenated. SuggestedRemedy	E
other amendments approved before or at the same SASB meeting (take text from the approved amendment front matter). SuggestedRemedy See comment. Proposed Response Response Status W	Comment Type E Comment Status D Twisted-pair should be hyphenated. SuggestedRemedy Add hyphen. Check draft for other occurrences.	E
other amendments approved before or at the same SASB meeting (take text from the approved amendment front matter).  SuggestedRemedy See comment.  Proposed Response Response Status W PROPOSED ACCEPT.	Comment Type E Comment Status D Twisted-pair should be hyphenated. SuggestedRemedy	E
other amendments approved before or at the same SASB meeting (take text from the approved amendment front matter).         SuggestedRemedy         See comment.         Proposed Response       Response Status         W         PROPOSED ACCEPT.         Cl 01       SC 1.5         P 20       L 38	Comment Type       E       Comment Status       D         Twisted-pair should be hyphenated.       Twisted-pair should be hyphenated.       Twisted-pair should be hyphenated.         SuggestedRemedy       Add hyphen. Check draft for other occurrences.         Proposed Response       Response Status       W	E
other amendments approved before or at the same SASB meeting (take text from the approved amendment front matter).         SuggestedRemedy         See comment.         Proposed Response       Response Status         W         PROPOSED ACCEPT.         C/ 01       SC 1.5         P 20       L 38         # [231]	Comment Type       E       Comment Status       D         Twisted-pair should be hyphenated.       Twisted-pair should be hyphenated.       Twisted-pair should be hyphenated.         SuggestedRemedy       Add hyphen. Check draft for other occurrences.         Proposed Response       Response Status       W	E
other amendments approved before or at the same SASB meeting (take text from the approved amendment front matter).         SuggestedRemedy         See comment.         Proposed Response       Response Status         PROPOSED ACCEPT.         C/ 01       SC 1.5       P 20       L 38       # 231         Booth, Brad       Microsoft         Comment Type       E       Comment Status       D       EZ         No abbreviations listed.       Ket Status       Ket Status       Ket Status	Comment Type       E       Comment Status       D         Twisted-pair should be hyphenated.       Twisted-pair should be hyphenated.       Twisted-pair should be hyphenated.         SuggestedRemedy       Add hyphen. Check draft for other occurrences.         Proposed Response       Response Status       W	E
other amendments approved before or at the same SASB meeting (take text from the approved amendment front matter).  SuggestedRemedy See comment.  Proposed Response Response Status W PROPOSED ACCEPT.  C/ 01 SC 1.5 P 20 L 38 # 231  C/ 01 SC 1.5 P 20 L 38 # 231  C/ 01 SC 1.5 Comment Status D EZ No abbreviations listed.  SuggestedRemedy	Comment Type       E       Comment Status       D         Twisted-pair should be hyphenated.       Twisted-pair should be hyphenated.       Twisted-pair should be hyphenated.         SuggestedRemedy       Add hyphen. Check draft for other occurrences.         Proposed Response       Response Status       W	E.

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: Topic

C/ 99     SC Table of Contents     P 11     L 27     # 236       Brown, Thomas     Vitesse Semiconductor	C/         01         SC 1.4         P 20         L 27         # 238           HESS, DAVE         CORD DATA
Comment Type     E     Comment Status     D     EZ       Under Annex 28c in TOC, a phrase is listed 1000 xGBASE-T     EZ	Comment Type     E     Comment Status     D     EZ       Some uses of "ISO" should be "ISO/IEC"     EZ     EZ
The phrase 1000 xGBASE-T is not correct. SuggestedRemedy I believe the author should replace 1000 xGBASE-T with 1000BASE-T Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	SuggestedRemedy replace "ISO" with "ISO/IEC" Proposed Response Response Status W PROPOSED ACCEPT.
Edit to title of 28.C.11 removed 10GBASE-T and 1000, and inserted xG to make this the xGBASE-T code - Editor to review table of contents generation to fix.	C/         01         SC         1.4         P 20         L 36         # 239           HESS, DAVE         CORD DATA
C/ 80       SC 80.1.5       P 62       L 16       # 488         Brown, Matt       APM       APM         Comment Type       E       Comment Status       D       EZ         Incorrect and incomplete editing instruction. Since you are showing the whole table with changes a change instruction rather than insert instruction is required. Also, the reference point for the new row is incorrect.       EZ	Comment Type       E       Comment Status       D       EZ         Some uses of "ISO" should be "ISO/IEC"       SuggestedRemedy       EZ       EZ         SuggestedRemedy       Replace "ISO" with "ISO/IEC"       EZ       EZ         Proposed Response       Response Status       W         PROPOSED ACCEPT.       V       V
SuggestedRemedy Change: Insert the following row after 40GBASE-LR4 and rightmost end column to Table 80-2 (existing PHY entries in new column are blank) To:	C/A     SC A     P 21     L 1     # 213       Anslow, Pete     Ciena     Ciena       Comment Type     E     Comment Status     D     EZ       Either include some bibliography entries to be added to Annex A or remove it from the draft     EZ
Change Table 80-2, inserting a new row for 40GBASE-T and a new column for 40GBASE-T PCS/PMA/PMD, as follows: Underline all items in the new row and new column. <i>Proposed Response</i> Response Status W	SuggestedRemedy Either include some bibliography entries to be added to Annex A and remove the editor's note and "[Bx1] Name—Title." or remove Annex A from the draft entirely
PROPOSED ACCEPT IN PRINCIPLE. See comment 201 LATE COMMENT - TASK FORCE TO VOTE ON CONSIDERING	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Dup of comments 232, 256, 54, 373. See comment 256

C/         113         SC         113.5.4.6.5         P         164         L         33         #         217           Shariff, Masood         CommScope         CommSco	C/         113         SC         113.8.2.2         P 183         L 27         # 222           Shariff, Masood         CommScope         CommSc
Comment Type E Comment Status D EZ Missing spec at 2000 MHz	Comment Type E Comment Status D EZ Improve equation 113-46 formatting
SuggestedRemedy Change < 2000 MHz to <= 2000 MHz	SuggestedRemedy Format equation so columns line up (maybe use left alignment)
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.
C/         99         SC         P         19         L         46         #         212           Anslow, Pete         Ciena         Ci	C/         81         SC         81.1.7.3         P 65         L 49         # 223           Booth, Brad         Microsoft
Comment Type       E       Comment Status       D       EZ         The editor's note refers to "IEEE P802.3bj and IEEE P802.3bk" which will both be superseded amendments by the time P802.3bq is published.       EZ       EZ         SuggestedRemedy       Change:       EZ       EZ       EZ	Comment Type       E       Comment Status       D       EZ         Double period at end of paragraph.       SuggestedRemedy       Fix.       Fix.
"(e.g., IEEE P802.3bj and IEEE P802.3bk)" to: "(e.g., IEEE P802.3bn and IEEE P802.3bw)"	Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT.	C/         113         SC         113.1         P 71         L 9         # 224           Booth, Brad         Microsoft
C/         113         SC         113.8.2.1         P         183         L         12         #         221           Shariff, Masood         CommScope         CommScope         EZ         EZ	Comment Type       E       Comment Status       D       EZ         Over-use of defining acronyms. PCS, PMA and PMD are defined in the title and don't need to be redefined in the first paragraph. IEEE editor may catch these also.       EZ         SuggestedRemedy       SuggestedRemedy       EZ
Improve MDI RL specifications formatting	Review usage with editor and eliminate excessive definitions.
SuggestedRemedy Format equations on the rows so the frequency ranges and equations line up from top to bottom	Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT.	PROPOSED ACCEPT IN PRINCIPLE. Editor to review relative to existing IEEE Std. 802.3 style
FROFOSED ACCEFT.	C/         113         SC         113.1         P 71         L 28         # 225           Booth, Brad         Microsoft
	Comment TypeEComment StatusDEZAuto-negotation is hyphenated.
	SuggestedRemedy Insert hyphen.
	Proposed Response Response Status W PROPOSED ACCEPT.
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/gener COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/writte SORT ORDER: Topic	

C/ 113 SC 113.3.2.2.20								
0/113 00 113.3.2.2.20	P 103	L <b>20</b>	# 289		C/ 30 SC 30.2.5	P <b>29</b>	L 14	# 266
Hidaka, Yasuo	Fujitsu Laborat	ories of			Healey, Adam	Avago Tech	nologies	
· · · //·	Comment Status D			ΕZ	Comment Type E	Comment Status D		EZ
The number above "PI" sym	nbol is not readable in equat	tion (113-3).			0	for the 10G/40GBASE-T Ope ualification word-wraps into obl	0 0 1	age has become too long
SuggestedRemedy					SuggestedRemedy			
Make the number above "PI	I" symbol to be read as "5" i	n equation (113-	3).		Increase the height c	f heading row so that the head	ing text fits.	
Proposed Response F PROPOSED ACCEPT IN F	Response Status W PRINCIPLE. See comment	226			Proposed Response PROPOSED ACCE	Response Status W		
C/ 00 SC 0	P 6	L 13	# 227		C/ 00 SC 0	P 3	L 13	# 253
Booth, Brad	Microsoft				Grow, Robert	RMG Cons	ulting	
Comment Type E	Comment Status D			ΕZ	Comment Type E	Comment Status D		EZ
FirstName SecondName. :-	/				to the			
SuggestedRemedy Add the name for the Task I	Force chair and editor. Also	add the names	of the 802.3 voters.		decade wrap,	be consistent in use of 201x or using 20xx in a few years.	20xx. Though we	aren't very close to
Add the name for the Task I	Force chair and editor. Alsc Response Status W	add the names	of the 802.3 voters.		decade wrap,		20xx. Though we	aren't very close to
Add the name for the Task I	Response Status W		of the 802.3 voters.		decade wrap, we will have to start u SuggestedRemedy		C C	aren't very close to
Add the name for the Task I Proposed Response	Response Status W	6 <i>L</i> 28	of the 802.3 voters. # 280		decade wrap, we will have to start u SuggestedRemedy	using 20xx in a few years. 3bq with IEEE Std 802.3bq-20 <i>Response Status</i> <b>W</b>	C C	aren't very close to
Add the name for the Task I Proposed Response F PROPOSED ACCEPT. Du C/ 113 SC 113.3.2.2.5 Hidaka, Yasuo	Response Status W up of comments 53, 211, 40 P <b>92</b>	6 <i>L</i> 28		EZ	decade wrap, we will have to start u SuggestedRemedy Replace IEEE P802. Proposed Response	using 20xx in a few years. 3bq with IEEE Std 802.3bq-20 <i>Response Status</i> <b>W</b> PT.	C C	# 216
Add the name for the Task I Proposed Response F PROPOSED ACCEPT. Du CI 113 SC 113.3.2.2.5 Hidaka, Yasuo Comment Type E There is a meaningless mar	Response Status W up of comments 53, 211, 40 P 92 Fujitsu Laborat Comment Status D rk above "Note: zero-pad re	6 <i>L</i> 28 ories of placed with rand	# 280		decade wrap, we will have to start u SuggestedRemedy Replace IEEE P802. Proposed Response PROPOSED ACCEI	using 20xx in a few years. 3bq with IEEE Std 802.3bq-20 <i>Response Status</i> <b>W</b> PT.	11x (or 20xx).	
Add the name for the Task I Proposed Response F PROPOSED ACCEPT. Du C/ 113 SC 113.3.2.2.5 Hidaka, Yasuo Comment Type E There is a meaningless mar transmission" in Figure 113	Response Status W up of comments 53, 211, 40 P 92 Fujitsu Laborat Comment Status D rk above "Note: zero-pad re	6 <i>L</i> 28 ories of placed with rand	# 280		decade wrap, we will have to start of SuggestedRemedy Replace IEEE P802. Proposed Response PROPOSED ACCEI	using 20xx in a few years. 3bq with IEEE Std 802.3bq-20 <i>Response Status</i> W PT. <b>4.6.4</b> <i>P</i> <b>164</b>	11x (or 20xx).	
Add the name for the Task I Proposed Response F PROPOSED ACCEPT. Du Cl 113 SC 113.3.2.2.5 Hidaka, Yasuo Comment Type E There is a meaningless mar transmission" in Figure 113 SuggestedRemedy	Response Status W up of comments 53, 211, 40 P 92 Fujitsu Laborat <i>Comment Status</i> D rk above "Note: zero-pad rel -6 around line 28, page 92.	6 <i>L</i> 28 ories of placed with rand	# 280		decade wrap, we will have to start u SuggestedRemedy Replace IEEE P802. Proposed Response PROPOSED ACCEI Cl 113 SC 113.5.4 Shariff, Masood	using 20xx in a few years. 3bq with IEEE Std 802.3bq-20 <i>Response Status</i> W PT. 4.6.4 <i>P</i> 164 CommScop <i>Comment Status</i> D	11x (or 20xx).	# 216
Add the name for the Task I Proposed Response F PROPOSED ACCEPT. Du Cl 113 SC 113.3.2.2.5 Hidaka, Yasuo Comment Type E There is a meaningless mar transmission" in Figure 113	Response Status W up of comments 53, 211, 40 P 92 Fujitsu Laborat <i>Comment Status</i> D rk above "Note: zero-pad rel -6 around line 28, page 92.	6 <i>L</i> 28 ories of placed with rand	# 280		decade wrap, we will have to start u SuggestedRemedy Replace IEEE P802. Proposed Response PROPOSED ACCEI Cl 113 SC 113.5.4 Shariff, Masood Comment Type E	using 20xx in a few years. 3bq with IEEE Std 802.3bq-20 <i>Response Status</i> W PT. 4.6.4 <i>P</i> 164 CommScop <i>Comment Status</i> D	11x (or 20xx).	# 216
Add the name for the Task I Proposed Response F PROPOSED ACCEPT. Du Cl 113 SC 113.3.2.2.5 Hidaka, Yasuo Comment Type E There is a meaningless mar transmission" in Figure 113 SuggestedRemedy Remove the mark above the	Response Status W up of comments 53, 211, 40 P 92 Fujitsu Laborat <i>Comment Status</i> D rk above "Note: zero-pad rel -6 around line 28, page 92.	6 <i>L</i> 28 ories of placed with rand	# 280		decade wrap, we will have to start of SuggestedRemedy Replace IEEE P802. Proposed Response PROPOSED ACCED C/ 113 SC 113.5. Shariff, Masood Comment Type E Missing spec for 200	using 20xx in a few years. 3bq with IEEE Std 802.3bq-20 <i>Response Status</i> W PT. 4.6.4 <i>P</i> 164 CommScop <i>Comment Status</i> D 10 MHz	11x (or 20xx).	# 216

CI 80	SC 80.1.5	P 62	L 16	# 201		C/ <b>45</b>	SC	45.5	P <b>52</b>	L <b>9</b>	# 191
Anslow, Pete		Ciena				Anslow, Pe	ete		Ciena		
appropriat The "113" The ruling	anges to Table te than an Inse ' clause numbe	er in the rightmost heading sho neadings for the 40GBASE-FF	ould be a cross-re	eference		referer In 45.5 place t	of the cinces. 5.3.2, "4 to point	5.2.1.8" is to as this i	Comment Status <b>D</b> ences in 45.5 are shown in gr the "PMD transmit disable r s where the 40GBASE-T abi be entries in the subclause	egister". "45.2.1 ility bit resides.	.12" seems to be a better
Make the Make the PCS/PMA Proposed Res PROPOS See comm	ne editing instri "113" clause n ruling between VPMD column sponse SED ACCEPT. nents 335, 488	Response Status W	g a cross-referer E-FR PMD and	40GBASE-T		In 45.5 In 45.5 In 45.5 In 45.5 the AM Proposed	5.3.2, cł 5.3.6, m 5.3.7, m 5.3.8, m 5.3.9, m 161 and Respon	hange "45 ake "45.2. ake "45.2. ake "45.2. ake "45.2. AM62 rov	Response Status W	14" (2 instances)	) cross-references.
Cl <b>45</b> Anslow, Pete Comment Typ	SC <b>45.5</b> De E	P 52 Ciena Comment Status D	L <b>4</b>	# 190	EZ	Cl <b>45</b> Anslow, Pe Comment	ete	45.5.3.7 T	P 52 Ciena Comment Status	L <b>30</b>	# <u>192</u>
The editin SuggestedRei	ig instructions medy	are not appropriate.				RM16 type se	says "L election:	oopback b s other tha	bit returns zero when operatin n 10GBASE-R or 10GBASE 0 Gb/s" is no longer correct.	ng at 10 Gb/s wit -T or 40GBASE	h port
"Insert a n rows not s Remove th Change 4 "Change t Change 4 "Change t (unchange Change 4 "Change 4 "Change 4 "Change t the end of	shown):" he underline fr 5.5.3.6 editing the row for *C1 5.5.3.7 editing the rows for R1 ed rows not sh 5.5.3.8 editing the row for *AT 5.5.3.9 editing the row for AM f the table as for	T below the row for *10T in th om the new row. instruction to: in the table in 45.5.3.6 as foll instruction to: M15, RM16, and RM37 throug own):" instruction to:	ows (unchanged h RM40 in the ta ows (unchanged insert new rows iown):"	rows not shown):" ble in 45.5.3.7 as fo rows not shown):"	bllows	Proposed	je "whei Respon	n operating	g at 10 Gb/s" to "when operat <i>Response Status</i> <b>W</b>	ting at 10 Gb/s o	or 40 Gb/s"
Proposed Res PROPOS	sponse ED ACCEPT.	Response Status W									

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

CI 47 SC 45.2.7.11.7 P 50 L 3 # 193	Cl 78 SC 78.1.4 P 58 L 35 # 195
Anslow, Pete Ciena	Anslow, Pete Ciena
Comment Type E Comment Status D EZ	Comment Type E Comment Status D
This says "The bit is only valid when page receive bit 7.1.6 in is set to one." "The bit" would be better as "Bit 7.33.8" "page receive bit 7.1.6" should be "page received bit 7.1.6" spurious "in" after "7.1.6"	The inserted rows in Tables 78-1, 78-2, and 78-5 should not be underlined as they are associated with "Insert" editing instructions. The font used for these inserted rows is incorrect.
SuggestedRemedy	Also, the title of Table 78-2 is "Summary of the key EEE parameters for supported PHYs or interfaces" not "Clauses associated with each interface type"
Change: "The bit is only valid when page receive bit 7.1.6 in is set to one." to:	SuggestedRemedy
"Bit 7.33.8 is only valid when page received bit 7.1.6 is set to one."	In Tables 78-1, 78-2, and 78-5 remove the underline from the inserted rows.
Proposed Response Response Status W PROPOSED ACCEPT. See comment 321	Re-apply the "CellBody" paragraph tag to the inserted rows (Times New Roman 9pt). Correct the title of Table 78-2 to "Summary of the key EEE parameters for supported PHYs or interfaces"
W 78 SC 78.1.3.3.1 P 57 L 34 # 194	Proposed Response Response Status W
Anslow, Pete Ciena	PROPOSED ACCEPT. See comments 43, 271, 272, 328, 329
Comment Type E Comment Status D EZ	C/ 80 SC 80.1.3 P 61 L 9 # 196
The cross-reference to "Figure 78–3" is showing as " <xref>Figure 78–3".</xref>	Anslow, Pete Ciena
This is because the "FigNumber" cross-reference format used in Clause 78 is " <xref>Figure\ &lt;\$paranumonly&gt;" and this has been pasted into a clause file other than the original Clause 78</xref>	Comment Type T Comment Status D E
file which does not have an "XREF" character tag defined.	The point of the list in 80.1.3 is to define the locations where the data-path widths are cannot b
SuggestedRemedy	changed by the implementation. Each element in the existing list states what the width at that location is.
The easiest way to fix this is to highlight the cross-reference, open the Cross-reference pod, Edit Format, delete the "XREF" from the start of the Definition, Done, Internal Cross-	Also, as this is associated with an Insert editing instruction it should not be underlined.
References, Update.	SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT. See comment 74	Change to: "k) The MDI as specified in Clause 113 for 40GBASE-T uses a 4 lane data path."
	Remove the underline
	Proposed Response Response Status W

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

C/ 80 SC 80.1.3	P 61	L <b>24</b>	# 197		C/ 80	SC 80.1.4	P 62	L 10	# 200	
Anslow, Pete	Ciena				Anslow, Pe	te	Ciena			
Comment Type T	Comment Status D			ΕZ	Comment 7		Comment Status D			ΕZ
	struction associated with Figure sociated with the left hand two s		hels		Word r	missing in "using	RS-FEC/LDPC encoding for	transmission bal	anced twisted-pair"	
The AN block in the 4	0GBASE-T stack has note 2 ap	oplied: "NOTE 2—	-CONDITIONAL		Suggested	•				
BASED ON PHY TYP optional in Table 80-2	PE", but there is only one PHY t	type and the AN la	iyer is not shown as			Ũ	EC/LDPC encoding for trans	mission over bala	nced twisted-pair"	
•	or Figure 113-1.				Proposed F	•	Response Status W			
SuggestedRemedy	ction: "Replace Figure 80-1 as fo	allower"			PROP Chang		IN PRINCIPLE.			
Remove the curley bra	ackets associated with the left h ne AN block in the middle stack	and two stacks in	Figure 80-1.		"40 Gb structu	o/s PHY using R ared cabling syst			·	
Proposed Response	Response Status W					/s PHY using R I systems (see C	S-FEC and LDPC encoding o	ver balanced twis	ted-pair structured	
PROPOSED ACCEF	T IN PRINCIPLE. See commer	nts 234, 381			capiling		hause (15)			
C/ 80 SC 80.1.4	P 61	L <b>47</b>	# 198		(see co	omment 487)				
Anslow, Pete	Ciena	- 41	" 190		C/ 30	SC 30.2.5	P <b>29</b>	L 10	# 265	
Comment Type E	Comment Status D			ΕZ	Healey, Ada	am	Avago Techn	ologies		
	an Insert editing instruction shou	uld not be underlin	ed (strictly this w		Comment 7	Туре Е	Comment Status D			ΕZ
	ext being inserted into the standa			Jula	Make t	he ruling and sh	ading of Table 30-1e consiste	nt with IEEE P80	2.3/D3.0.	
SuggestedRemedy					Suggested	Remedy				
Remove the underline	e from the inserted text in 80.1.4				Contac	t the Editor-in-C	hief of IEEE P802.3 (IEEE 80	2.3bx) for the ruli	ing and shading	
Proposed Response	Response Status W				informa	ation and reform	at accordingly.			
PROPOSED ACCEP	PT.				Proposed F	Response	Response Status W			
C/ 113 SC 113.5.4	.6.2 <i>P</i> 163	/ 25	# 215		PROP	OSED ACCEPT				
Shariff, Masood	CommScope	L 25	# 215		CI 80	SC 80.1.5	P 62	L <b>52</b>	# 202	
,	Comment Status D			ΕZ	Anslow, Pe	te	Ciena			
Comment Type E	nk segements has duplicate spe	ace at 25 MHz and	1000 MHz	ΕZ	Comment T	Type E	Comment Status D			ΕZ
	ik segements has uupilcate spe					te is not formatt				
SuggestedRemedy					Suggested	Remedv	·			
Change <= 25 to < 25 and <= 1000 to < 10					00		DTE—" where "—" is an em da	ash (Ctrl-a Shft-a	).	
Proposed Response	Response Status W				Apply t		ag "Note" (9 pt font).	(	/-	
PROPOSED ACCEP Use consistent notation	on for symbols in equations (e.g	., =,>,etc)			Proposed F	Response OSED ACCEPT	Response Status W			
1000 <f <="2000&lt;br">does not include 1000 25<f <="1000&lt;br">does not include 25</f></f>	)				PROP	USED ACCEPT				
		eneral required T								

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

C/ 80 S	SC 80.4	P <b>63</b>	L 16	# 203		C/ 81.5 SC 81.5.3.7	P 69	L 12	# 206	
Anslow, Pete		Ciena				Anslow, Pete	Ciena			
	tes are not forr b 1.4.110 sho	Comment Status <b>D</b> matted as table footnotes. uld be 1.4.117			EZ	The entries in the Sub reference (not green).	Comment Status <b>D</b> ansmit control) does not define clause column for both rows ar	nd "Table 81-5" s	hould be a cross-	EZ
SuggestedRem	nedy					-	pes not follow the numbering p	ractice for the res	st of this PICS.	
	•	able footnotes .110" to "1.4.117"					Subclause column for both ro	ws and "Table 81	I-5" cross-reference	es.
Proposed Resp		Response Status W				Change item "LINT" to Change item "LINT1"				
PROPOSE	ED ACCEPT.					Proposed Response	Response Status W			
	SC 81.1	P 65	L <b>7</b>	# 204		PROPOSED ACCEP	Г.			
Anslow, Pete		Ciena				C/ 99 SC	P1	L 10	# 207	
Comment Type		Comment Status <b>D</b> action isn't appropriate here.			EZ	Anslow, Pete	Ciena			
The AN blo "NOTE 2—	ck in the 40GI -CONDITION	BASE-T stack has note 2 app AL BASED ON PHY TYPE",	but there is only				Comment Status <b>D</b> from "Amendment X:" in the 8	02.3 template in I	February 2014	L
The AN blo "NOTE 2— AN layer is The acrony The spacing SuggestedRem	ock in the 40Gl -CONDITION/ not shown as m expansions og of the three hedy	BASE-T stack has note 2 app	but there is only ire 113-1. an inappropriate	one PHY type and		The " X" was removed SuggestedRemedy	from "Amendment X:" in the 8 X:" to "Amendment:" on page 1 <i>Response Status</i> <b>W</b>	·	·	
The AN blo "NOTE 2— AN layer is The acrony The spacing SuggestedRem Change the Remove no Fix format c	ock in the 40GI -CONDITION/ not shown as m expansions ig of the three hedy e editing instru- ote 2 from the / of the acronym	BASE-T stack has note 2 app AL BASED ON PHY TYPE", optional in Table 80-2 or Figu and notes in the figure have a stacks id uneven.	but there is only ire 113-1. an inappropriate I as follows:" n Figure 81-1 figure.	one PHY type and format.		The " X" was removed SuggestedRemedy Change "Amendment Proposed Response PROPOSED ACCEP C/ 99 SC	from "Amendment X:" in the 8 X:" to "Amendment:" on page 1 <i>Response Status</i> W T. <i>P</i> 1	·	·	
The AN blo "NOTE 2— AN layer is The acrony The spacing SuggestedRem Change the Remove no Fix format of Change the Proposed Resp	ock in the 40GI -CONDITION/ not shown as m expansions ag of the three eddy e editing instru- of the acronym e position of the	BASE-T stack has note 2 app AL BASED ON PHY TYPE", optional in Table 80-2 or Figu and notes in the figure have a stacks id uneven. ction to: "Replace Figure 81-1 AN block in the middle stack in expansions and notes in the	but there is only ire 113-1. an inappropriate I as follows:" n Figure 81-1 figure.	one PHY type and format.		The " X" was removed SuggestedRemedy Change "Amendment Proposed Response PROPOSED ACCEP Cl 99 SC Anslow, Pete Comment Type E	from "Amendment X:" in the 8 X:" to "Amendment:" on page 1 <i>Response Status</i> <b>W</b> T.	, line 10 and also <i>L</i> <b>29</b>	o on page 19, line 3 # <u>208</u>	
The AN blo "NOTE 2— AN layer is The acrony The spacing SuggestedRem Change the Remove no Fix format of Change the Proposed Resp PROPOSE CI 81 S	ock in the 40GI -CONDITION/ not shown as m expansions ig of the three editing instru- te 2 from the / of the acronym e position of the conse	BASE-T stack has note 2 app AL BASED ON PHY TYPE", optional in Table 80-2 or Figu and notes in the figure have a stacks id uneven. ction to: "Replace Figure 81-1 AN block in the middle stack i n expansions and notes in the e three stacks to be even and	but there is only ire 113-1. an inappropriate I as follows:" n Figure 81-1 figure.	one PHY type and format.		The " X" was removed SuggestedRemedy Change "Amendment Proposed Response PROPOSED ACCEP CI 99 SC Anslow, Pete Comment Type E "[review/balloting stage SuggestedRemedy	from "Amendment X:" in the 8 X:" to "Amendment:" on page 1 <i>Response Status</i> W T. <i>P</i> 1 Ciena <i>Comment Status</i> D	, line 10 and also <i>L</i> <b>29</b> stage that the dra	o on page 19, line 3 # <u>208</u> aft is at.	
The AN blo "NOTE 2— AN layer is The acrony The spacing SuggestedRem Change the Remove no Fix format of Change the Proposed Resp PROPOSE CI 81 S Anslow, Pete Comment Type	cck in the 40GI         -CONDITION/         not shown as         m expansions         ig of the three         nedy         e editing instru-         of the acronyme         e position of the         conse         ED ACCEPT.         C         SC 81.1.7.3	BASE-T stack has note 2 app AL BASED ON PHY TYPE", optional in Table 80-2 or Figu and notes in the figure have a stacks id uneven. ction to: "Replace Figure 81-1 AN block in the middle stack i n expansions and notes in the e three stacks to be even and <i>Response Status</i> W <i>P</i> 65	but there is only ire 113-1. an inappropriate I as follows:" n Figure 81-1 figure. centred on the b	one PHY type and format. blocks above. # 205		The " X" was removed SuggestedRemedy Change "Amendment Proposed Response PROPOSED ACCEP C/ 99 SC Anslow, Pete Comment Type E "[review/balloting stage SuggestedRemedy Change "[review/ballot Proposed Response	from "Amendment X:" in the 8 X:" to "Amendment:" on page 1 <i>Response Status</i> W T. <i>P</i> 1 Ciena <i>Comment Status</i> D e]" should be replaced with the	, line 10 and also <i>L</i> 29 stage that the dra ballot recirculatio	o on page 19, line 3 # <u>208</u> aft is at.	
The AN blo "NOTE 2— AN layer is The acrony The spacing SuggestedRem Change the Remove no Fix format of Change the Proposed Resp PROPOSE Cl 81 St Anslow, Pete Comment Type "in Figure 8 SuggestedRem	ock in the 40GI -CONDITION/ not shown as m expansions ig of the three is nedy e editing instru- te 2 from the / of the acronym e position of the ponse ED ACCEPT. C 81.1.7.3 E E 81-10a" should nedy	BASE-T stack has note 2 app AL BASED ON PHY TYPE", optional in Table 80-2 or Figu and notes in the figure have a stacks id uneven. ction to: "Replace Figure 81-1 AN block in the middle stack i in expansions and notes in the e three stacks to be even and <i>Response Status</i> W <i>P</i> 65 Ciena <i>Comment Status</i> D	but there is only ire 113-1. an inappropriate I as follows:" n Figure 81-1 figure. centred on the b	one PHY type and format.	the 	The " X" was removed SuggestedRemedy Change "Amendment Proposed Response PROPOSED ACCEP C/ 99 SC Anslow, Pete Comment Type E "[review/balloting stage SuggestedRemedy Change "[review/ballot Proposed Response	from "Amendment X:" in the 8 X:" to "Amendment:" on page 1 <i>Response Status</i> W T. <i>P</i> 1 Ciena <i>Comment Status</i> D e]" should be replaced with the ing stage]" to "Working Group <i>Response Status</i> W	, line 10 and also <i>L</i> 29 stage that the dra ballot recirculatio	o on page 19, line 3 # <u>208</u> aft is at.	EZ

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: Topic

C/99 SC	P 3	L 13	# 209	C/ 80 SC 80.1.4	P 62	L 1	# 199	 
Anslow, Pete	Ciena		P.	Anslow, Pete	Ciena			
Comment Type E	Comment Status D			Comment Type E	Comment Status D			ΕZ
	ote, "Amendment title (SHALL endment title from the PAR.	match PAR)" sh	ould be replaced by the		ote an external cross-reference efinition, the thing it refers to is		te for an editing	
SuggestedRemedy				SuggestedRemedy				
In the second editor's no wording of the amendme	ote, replace "Amendment title ent title from the PAR.	(SHALL match P	AR)" with the exact	Use the normal font fo on line 50.	or "Table 80-1" on line 1, "Table	e 80-2" on line 16	and also for "Table	80-2"
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response PROPOSED ACCEP	Response Status W			
CI 99 SC	P 4	L <b>24</b>	# 210	C/ 78 SC 78.1.4	P 58	L 27	# 327	
Anslow, Pete	Ciena			Hidaka, Yasuo	Fujitsu Labora	atories of		
	Comment Status D E 802.3 will continue to evolv		hoforo 200 2ha (at loo	Comment Type E Clause title is not corr	Comment Status D ect.			EZ
IEEE Std 802.3bw-201x	ner amendments that are likel ) should be added here	y to be published	belore 802.3bd (at leas	SuggestedRemedy				
SuggestedRemedy				Change the clause titl	e of 78.1.4 with "PHY types opt	tionally supporting	g EEE".	
Remove "IEEE 802.3 wi	Il continue to evolve." on line 2 er amendments that are likely		pefore 802.3bq (at leas	Proposed Response PROPOSED ACCEP	Response Status W T.			
Proposed Response PROPOSED ACCEPT.	, Response Status W			Cl 30 SC 30.3.2.1 Grow, Robert	.2 P 32 RMG Consul	L <b>14</b> ting	# 250	
	P 6	L 13	# 211	Comment Type E	Comment Status D			EZ
Anslow, Pete	Ciena	215	"		d be a cross reference.			
Comment Type E	Comment Status D			SuggestedRemedy	<i>.</i>			
Change:				Replace text with cros	s reference. Also line 54.			
	e, IEEE P802.3xx Task Force e, IEEE P802.3xx Task Force r this project			Proposed Response PROPOSED ACCEP	Response Status W T.			
SuggestedRemedy								
		name Task Forc	e Chair					
Change: FirstName SecondName FirstName SecondName to the text appropriate fo	e, IEEE P802.3xx Task Force		e Editor-in-Chief					
FirstName SecondName	e, IEEE P802.3xx Task Force		e Editor-in-Chief					

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: Topic

C/ 113 SC 113.2.1.2.1 Brown, Matt	<i>Р</i> <b>80</b> АРМ	L <b>28</b>	# 485		C/         45         SC         45.2.7.10.5         P 48         L 30         # 318           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Labor
Comment Type <b>T</b> Com If "READY" is not used for 40G	mment Status <b>D</b> BASE-T why is it listed	d in the 40GBASE	E-T clause?	EZ	Comment Type E Comment Status D EZ The new two paragraphs for 7.32.11 and 7.32.3 should be inserted after 45.2.7.10.4 and the clause numbers are missing.
PROPOSED ACCEPT. Dup of LATE COMMENT - TASK FOR C/ 113 SC 113.3.2.2.20 Booth, Brad	n from the list on line 2 bonse Status W comment 71		# 226	EZ	SuggestedRemedy         Change "Insert new paragraph after 45.2.7.10.3" on line 30 with "Insert two new paragraphs after 45.2.7.10.4".         Insert clause number "45.2.7.10.5" at the beginning of line 32.         Remove the note of "Insert new paragraph after 45.2.7.10.6 and re-number remaining clauses accordingly." on line 38.         Insert clause number "45.2.7.10.6" at the beginning of line 40.         Insert clause number "45.2.7.10.8" at the beginning of line 48.         Proposed Response       Response Status W         PROPOSED ACCEPT.
PROPOSED ACCEPT. See co C/ 45 SC 45.2.3.9.8 Hidaka, Yasuo Comment Type E Con The new paragraph 45.2.3.9.8 f SuggestedRemedy	P <b>44</b> Fujitsu Labora <i>mment Status</i> <b>D</b> for 3.20.7 should be ins	serted after 45.2.3	# <u>317</u> 3.9.4.	EZ	Cl 45       SC 45.2.7.10.5       P 48       L 36       # 319         Hidaka, Yasuo       Fujitsu Laboratories of       EZ         Comment Type       T       Comment Status       D       EZ         Reference to bit 7.32.12 should be 7.32.11.       SuggestedRemedy       Change "7.32.12" on line 36 with "7.32.11".       Proposed Response       Response Status       W         PROPOSED ACCEPT.       PA8       L 36       # 319
Change the reference to "45.2.3 Change the subclause number Proposed Response Resp PROPOSED ACCEPT.					Cl 45       SC 45.2.7.11.7       P 49       L 51       # 320         Hidaka, Yasuo       Fujitsu Laboratories of       E         Comment Type       E       Comment Status       D       EZ         New paragraph for 7.33.8 should be inserted after 45.2.7.11.7 instead of after 45.2.7.11.6.       SuggestedRemedy       EZ         Change reference to "45.2.7.11.6" on line 51 in page 49 with "45.2.7.11.7".       Change clause number "45.2.7.11.7" on line 1 in page 50 with "45.2.7.11.8".         Proposed Response       Response Status       W

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

C/       45       SC       45.2.7.11.7       P 50       L 3       # 321         Hidaka, Yasuo       Fujitsu Laboratories of       Fujitsu Laboratories of	C/         45         SC         45.2.7.13.10         P 51         L 16         # 323           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of
Comment TypeEComment StatusDEZ"in" after "bit 7.1.6" does not make sense.	Comment TypeEComment StatusDEZNew paragraph for 7.60.9 should be inserted after 45.2.7.13.4 instead of after 45.2.7.13.9.
SuggestedRemedy Remove "in" after "bit 7.1.6".	SuggestedRemedy Change reference to "45.2.7.13.9" on line 16 with "45.2.7.13.4".
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 193	Change clause number "45.2.7.13.10" on lin 18 with "45.2.7.13.5". Proposed Response Response Status W
C/ 45 SC 45.2.7.11.9 P 50 L 7 # 322	PROPOSED ACCEPT IN PRINCIPLE. See comment 355
Hidaka, Yasuo     Fujitsu Laboratories of       Comment Type     E     Comment Status     D     EZ       New paragraph for 7.33.0 should be inserted after the paragraph for 7.33.1.	C/ 80         SC 80.1.4         P 62         L 10         # 487           Brown, Matt         APM
SuggestedRemedy Change line 7 through 23 in page 50 as follows:	Comment Type       E       Comment Status       D       EZ         Missing Clause reference.       Missing "over" between "transmission" and "balanced".       To be consistent with the other descriptions in this table "for transmission" should be "over".       EZ
Change paragraph 45.2.7.11.8 and re-number to 45.2.7.11.9 and insert new paragraph	
Change paragraph 45.2.7.11.8 and re-number to 45.2.7.11.9 and insert new paragraph 45.2.7.11.10 in consideration of newly inserted 45.2.7.11.8. 45.2.7.11.9 10GBASE-T Fast retrain ability (7.33.1)	SuggestedRemedy Change: 40 Gb/s PHY using RS-FEC/LDPC encoding for transmission balanced twisted-pair structured
<ul> <li>45.2.7.11.10 in consideration of newly inserted 45.2.7.11.8.</li> <li>45.2.7.11.9 10GBASE-T Fast retrain ability (7.33.1)</li> <li>When read as a one, bit 7.33.1 is used to indicate that the link partner has the ability to support the 10GBASE-T fast retrain capability as specified in 55.4.2.5.15. When read as a zero, bit</li> </ul>	SuggestedRemedy Change:
<ul><li>45.2.7.11.10 in consideration of newly inserted 45.2.7.11.8.</li><li>45.2.7.11.9 10GBASE-T Fast retrain ability (7.33.1)</li><li>When read as a one, bit 7.33.1 is used to indicate that the link partner has the ability to support</li></ul>	SuggestedRemedy Change: 40 Gb/s PHY using RS-FEC/LDPC encoding for transmission balanced twisted-pair structured cabling systems To: 40 Gb/s PHY using RS-FEC/LDPC encoding over balanced twisted-pair structured cabling
<ul> <li>45.2.7.11.10 in consideration of newly inserted 45.2.7.11.8.</li> <li>45.2.7.11.9 10GBASE-T Fast retrain ability (7.33.1)</li> <li>When read as a one, bit 7.33.1 is used to indicate that the link partner has the ability to support the 10GBASE-T fast retrain capability as specified in 55.4.2.5.15. When read as a zero, bit 7.33.1 indicates that the PHY lacks the ability to support the 10GBASE-T fast retrain capability.</li> <li>45.2.7.11.10 40GBASE-T Fast retrain ability (7.33.0)</li> <li>When read as a one, bit 7.33.0 is used to indicate that the link partner has the ability to support</li> </ul>	SuggestedRemedy         Change:         40 Gb/s PHY using RS-FEC/LDPC encoding for transmission balanced twisted-pair structured cabling systems         To:         40 Gb/s PHY using RS-FEC/LDPC encoding over balanced twisted-pair structured cabling systems (see Clause 113)         Proposed Response       Response Status
<ul> <li>45.2.7.11.10 in consideration of newly inserted 45.2.7.11.8.</li> <li>45.2.7.11.9 10GBASE-T Fast retrain ability (7.33.1)</li> <li>When read as a one, bit 7.33.1 is used to indicate that the link partner has the ability to support the 10GBASE-T fast retrain capability as specified in 55.4.2.5.15. When read as a zero, bit 7.33.1 indicates that the PHY lacks the ability to support the 10GBASE-T fast retrain capability.</li> <li>45.2.7.11.10 40GBASE-T Fast retrain ability (7.33.0)</li> <li>When read as a one, bit 7.33.0 is used to indicate that the link partner has the ability to support the 40GBASE-T fast retrain capability as specified in 113.4.2.5.15. When read as a zero, bit 7.33.0 indicates that the PHY lacks the ability to support the 40GBASE-T fast retrain capability as specified in 113.4.2.5.15. When read as a zero, bit 7.33.0 indicates that the PHY lacks the ability to support the 40GBASE-T fast retrain capability as specified in 113.4.2.5.15. When read as a zero, bit 7.33.0 indicates that the PHY lacks the ability to support the 40GBASE-T fast retrain capability.</li> </ul>	SuggestedRemedy         Change:         40 Gb/s PHY using RS-FEC/LDPC encoding for transmission balanced twisted-pair structured cabling systems         To:         40 Gb/s PHY using RS-FEC/LDPC encoding over balanced twisted-pair structured cabling systems (see Clause 113)         Proposed Response       Response Status         PROPOSED ACCEPT IN PRINCIPLE. See comment 200
<ul> <li>45.2.7.11.10 in consideration of newly inserted 45.2.7.11.8.</li> <li>45.2.7.11.9 10GBASE-T Fast retrain ability (7.33.1)</li> <li>When read as a one, bit 7.33.1 is used to indicate that the link partner has the ability to support the 10GBASE-T fast retrain capability as specified in 55.4.2.5.15. When read as a zero, bit 7.33.1 indicates that the PHY lacks the ability to support the 10GBASE-T fast retrain capability.</li> <li>45.2.7.11.10 40GBASE-T Fast retrain ability (7.33.0)</li> <li>When read as a one, bit 7.33.0 is used to indicate that the link partner has the ability to support the 40GBASE-T fast retrain capability as specified in 113.4.2.5.15. When read as a zero, bit 7.33.0 indicates that the PHY lacks the ability to support the 40GBASE-T fast retrain capability.</li> </ul>	SuggestedRemedy         Change:         40 Gb/s PHY using RS-FEC/LDPC encoding for transmission balanced twisted-pair structured cabling systems         To:         40 Gb/s PHY using RS-FEC/LDPC encoding over balanced twisted-pair structured cabling systems (see Clause 113)         Proposed Response       Response Status         PROPOSED ACCEPT IN PRINCIPLE. See comment 200         LATE COMMENT - TASK FORCE TO VOTE ON CONSIDERING         Cl 78       SC 78.1       P 57       L 3       # 325
<ul> <li>45.2.7.11.10 in consideration of newly inserted 45.2.7.11.8.</li> <li>45.2.7.11.9 10GBASE-T Fast retrain ability (7.33.1)</li> <li>When read as a one, bit 7.33.1 is used to indicate that the link partner has the ability to support the 10GBASE-T fast retrain capability as specified in 55.4.2.5.15. When read as a zero, bit 7.33.1 indicates that the PHY lacks the ability to support the 10GBASE-T fast retrain capability.</li> <li>45.2.7.11.10 40GBASE-T Fast retrain ability (7.33.0)</li> <li>When read as a one, bit 7.33.0 is used to indicate that the link partner has the ability to support the 40GBASE-T fast retrain capability as specified in 113.4.2.5.15. When read as a zero, bit 7.33.0 indicates that the PHY lacks the ability to support the 40GBASE-T fast retrain capability as specified in 113.4.2.5.15. When read as a zero, bit 7.33.0 indicates that the PHY lacks the ability to support the 40GBASE-T fast retrain capability as specified in 113.4.2.5.15. When read as a zero, bit 7.33.0 indicates that the PHY lacks the ability to support the 40GBASE-T fast retrain capability as specified in 113.4.2.5.15. When read as a zero, bit 7.33.0 indicates that the PHY lacks the ability to support the 40GBASE-T fast retrain capability.</li> </ul>	SuggestedRemedy         Change:         40 Gb/s PHY using RS-FEC/LDPC encoding for transmission balanced twisted-pair structured cabling systems         To:         40 Gb/s PHY using RS-FEC/LDPC encoding over balanced twisted-pair structured cabling systems (see Clause 113)         Proposed Response       Response Status         PROPOSED ACCEPT IN PRINCIPLE. See comment 200         LATE COMMENT - TASK FORCE TO VOTE ON CONSIDERING         Cl 78       SC 78.1       P 57       L 3       # 325         Hidaka, Yasuo       Fujitsu Laboratories of       Comment Type       E       Comment Status       D       EZ

C/ 00 SC 0 Grow, Robert	P 1 RMG Consultir	L 12	# 251		C/ <b>80</b> Hidaka, Yas	SC 80.	.1.3	Р <b>61</b> Fujitsu Labora	L7	# 330	
Comment Type E Awkward alignment.	Comment Status D	19		EZ	Comment			Comment Status D			Eź
SuggestedRemedy Make left justified rather t Proposed Response PROPOSED ACCEPT.	than left right justified. Also tit Response Status W	le page 19.			OSI rei Proposed I	e the title of ference mo	odel".	with "Relationship of 40 Gig	abit and 100 Gi	gabit Ethernet to the	) ISO
C/ <b>78</b> SC <b>78.1.4</b> Hidaka, Yasuo	P <b>58</b> Fujitsu Laborate	L <b>30</b> ories of	# 328		<i>Cl</i> <b>80</b> Hidaka, Yas	SC 80.	.1.3	P <b>61</b> Fujitsu Labora	L 9	# 331	
SuggestedRemedy Change "each interface ty Change "PHY type" in he Proposed Response	Comment Status D of Table 78-1 are incorrect and ype" in Table 78-1 caption with eader row of Table 78-1 with "F Response Status W N PRINCIPLE. See comment	n "each PHY or i PHY or interface	type".	EZ	Suggested Add a Proposed F	od is missir <i>Remedy</i> period "." a	ng. at the en	Comment Status D d of line 9. Response Status W			EZ
C/ <b>78</b> SC <b>78.2</b> Hidaka, Yasuo	P <b>58</b> Fujitsu Laborati	L <b>44</b> ories of	# 329								
Comment Type E Caption and header row c	Comment Status D of Table 78-2 are incorrect.			ΕZ							
SuggestedRemedy Change caption of Table or interfaces".	78-2 with "Summary of the ke	y EEE paramete	rs for supported PH	lYs							
Proposed Response	ader row with "PHY or interface Response Status W See comment 195 for a more of		se								

Topic **EZ** 

C/         113         SC         113.1.1         P 71         L 31         #         483           Brown, Matt         APM	C/         80         SC         80.1.4         P 62         L 1           Hidaka, Yasuo         Fujitsu Laboratories of	# 334
Comment Type ER Comment Status D EZ The objectives listed in this subclause are for the project, not for the PHY. In several recent amendments a similar objectives subclause has been removed from existing sub-clauses as the new project has new objectives and it becomes difficult to keep this list current and not	Comment Type E Comment Status D 40GBASE-ER4 is added to Table 80-1 in P802.3bx. SuggestedRemedy	EZ
included in new clauses. As an example see 802.3az (no project objectives in 78), 802.3bj (removed project objectives in 69.1.2), and 802.3by (deleted BASE-R FEC project objectives, replaced with summary, no objectives in Clause 105).	Change "between 40GBASE-LR4 and 100GBASE-KR4" with "between 40GBASE-ER4 and 100GBASE-KR4". <i>Proposed Response</i> Response Status W PROPOSED ACCEPT.	
The clause should list what is supported, not what was intended (objectives = "something that one's efforts or actions are intended to attain or accomplish"). If a summary of the features is necessary these should be list as such, not as project objectives.	C/ 80         SC 80.1.5         P 62         L 16           Hidaka, Yasuo         Fujitsu Laboratories of	# 335
SuggestedRemedy Remove sub-clause 113.1.1. Add a summary of functions if the text in 13.1 is not sufficient. Proposed Response Response Status <b>W</b>	Comment Type E Comment Status D 40GBASE-ER4 is added in P802.3bx.	EZ
PROPOSED ACCEPT IN PRINCIPLE.	SuggestedRemedy Change "after 40GBASE-LR4" on line 16 with "after 40GBASE-ER4".	
113.1.1 to be removed See comment 457	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 201	
C/         80         SC         80.1.4         P 61         L 49         # 333           Hidaka, Yasuo         Fujitsu Laboratories of	C/ 113SC 113.1.2P 72L 9Hidaka, YasuoFujitsu Laboratories of	# 276
Comment Type E Comment Status D EZ Phrase "for transmitting 40GBASE-T over" is odd and inconsistent with other paragraphs in the same clause.	Comment Type E Comment Status D A period "." is missing. SuggestedRemedy Add a period "." at the end of line 9.	EZ
SuggestedRemedy         Change "for transmitting 40GBASE-T over" with "for 40Gb/s operation over".         Proposed Response       Response Status       W	Proposed Response Response Status W PROPOSED ACCEPT.	
PROPOSED ACCEPT.	C/         113         SC         113.2.2.4.2         P 85         L 4           Hidaka, Yasuo         Fujitsu Laboratories of	# 278
	Comment Type <b>T</b> Comment Status <b>D</b> 800 MHz is probably incorrect.	EZ
	SuggestedRemedy Change "800 MHz" with "3.2 GHz".	
	Proposed Response Response Status W PROPOSED ACCEPT.	
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/gener COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/writte		Page 74 of 94 4/29/2015 2:42:09 P

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

C/ 113 SC 113.1.3 P 72 L 45 # 279		Cl Annex SC	P <b>21</b>	L <b>1</b>	# 256	
Hidaka, Yasuo Fujitsu Laboratories of		Grow, Robert	RMG Consultin	g		
Comment Type <b>T</b> Comment Status <b>D</b> Words "auxiliary channel bit" and "auxiliary bit" are used inconsistently.	ΕZ	Comment Type E Con Looks like the FrameMaker boo	nment Status <b>D</b> k is messed up.			EZ
SuggestedRemedy Change "auxiliary channel bit" in the following locations with "auxiliary bit":		SuggestedRemedy Delete Annex A at this point fro	m the FrameMaker bool	۲.		
Page 72, line 45 Page 76, line 15 Page 76, line 19 Page 90, line 46		Proposed Response Resp PROPOSED ACCEPT IN PRI Add Editor's note (to be remove bibiliographic entries, and is to	d prior to publication): T	his clause is a place	nolder for	phase.
Proposed Response Response Status W PROPOSED ACCEPT. Same usage occurs in Clause 55 - commenter may wish to file comments in revision or		C/ 113 SC 113.7.2.1 HESS, DAVE	<i>P</i> <b>174</b> CORD DATA	L <b>40</b>	# 242	
maintenance		Comment Type ER Con Some uses of "ISO" should be	nment Status D			EZ
C/ 113         SC 113.1.3         P 72         L 42         # 484		SuggestedRemedy	100/120			
Brown, Matt APM		Replace "ISO" with "ISO/IEC"				
Comment Type         ER         Comment Status         D           Per style manual section 13.3.2 "10000" should be "10 000".         Alternately, you can reduce the integer size by using "giga" instead of "mega".           Also, it more common and more concise to use "*baud" instead of "*symbols per second".	EZ	Proposed Response Res	oonse Status W			
SuggestedRemedy		C/ 113 SC 113.7.2	P <b>174</b> CORD DATA	L 23	# 241	
Change "10000 Mb/s" to "10 000 Mb/s" or "10 Gb/s".		HESS, DAVE				
Change "3200 Megasymbols per second" to "3 200 Megasymbols per second" or "3.2 Gigasamples per second" or "3.2 Gbaud". Use the same form throughout the clause (e.g., Figure 113-2).		Comment Type ER Con Some uses of "ISO" should be Complete "Category 8", should				EZ
Proposed Response Response Status W		SuggestedRemedy	0,1			
PROPOSED ACCEPT IN PRINCIPLE.		Table 113–22				
LATE COMMENT - TASK FORCE TO VOTE ON CONSIDERING		Replace "ISO" with "ISO/IEC" i Table 113–22, row 2, column 1 Replace "ISO Class I / Categor		s I / TIA Category 8"		
Change format of 10000 to 10 Gb/s Change 3200 to 3 200			oonse Status W	0,		
(maintain Megasymbols per second) Editor to review clause to maintain consistency		PROPOSED ACCEPT.				

Cl 28 SC 28.5.3 Healey, Adam	P <b>23</b> Avago Techno	L <b>32</b> blogies	# 264		C/ <b>28</b> Grow, Rot	SC Table 2	6-9	P <b>23</b> RMG Consu	L <b>13</b> Itina	# 259	
Comment Type E The option "*40G" is defi	Comment Status D			EZ	Comment	<i>Type</i> <b>ER</b> , what is appropr		nt Status D	-	lso a problem with	E line 27
SuggestedRemedy Add "40G:M" to the "Stat item SD10. Proposed Response PROPOSED ACCEPT.	us" column for item SD11 an Response Status W	d "!40G:M" to th	e "Status" columen	for	appro the in <i>Proposed</i>	ocations replace priate and make dicated row of Ta <i>Response</i>	all editing ins able x-x as fol <i>Respons</i>	tructions precise lows, Insert the fe re Status W	Better to use insollowing in numeri	ested to search for structions like: Cha c order.	
C/ 28A SC	P <b>25</b>	L 1	# 263		PROF	POSED ACCEP	F. Dup of con	nment 258, see c	comment 409		
Healey, Adam Comment Type E	Avago Techno Comment Status D	blogies		ΕZ	C/ <b>28</b> Grow, Rot	SC Table 2	6-9	P 23 RMG Consu	L 13	# 258	
There are no obvious cha SuggestedRemedy Remove Annex 28A from Proposed Response PROPOSED ACCEPT	Ū	75 248 260)			Suggestee Insert	, what is appropr <i>dRemedy</i> row in Table 28-	iate, don't ma	nt Status <b>D</b> ke the publicatio	n editor guess.		E
					•	Response	•	e Status W			
Cl Annex SC 28D.8 Grow, Robert	P <b>28</b> RMG Consulti	L <b>10</b> ing	# 262		C/ 28A	SC 0	I. See comm	P <b>25</b>	L 1	# 248	
Comment Type E	Comment Status D		-	EZ	Frazier, H			F 23 Broadcom C	-	# 240	
Framewaker definition se SuggestedRemedy Fix FrameMaker definition	eems to be messed up, no sp n.	ace after numbe	ir.		Comment Annex to it.	51		nt Status D Iraft amendment	because there are	e no changes being	E g made
Proposed Response PROPOSED ACCEPT.	Response Status W See comment 69				Suggestee Delete	dRemedy e Annex 28A fror	n this draft an	nendment.			
Cl Annex SC Grow, Robert	P <b>26</b> RMG Consulti	L <b>8</b> ing	# 261			Response POSED ACCEP	,	e Status W nments 5, 138, 3	75, 260, 263)		
Comment Type E This should be an insert	Comment Status D			ΕZ							
SuggestedRemedy Insert new list item a) and	d re-letter following list items.										
Proposed Response PROPOSED ACCEPT.	Response Status W										

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

Topic **EZ** 

C/ 28 SC 28.3.1	P 23	L <b>6</b>	# 257	C/ 113	SC 113.1.1	P <b>71</b>	L <b>31</b>	# 457
Grow, Robert	RMG Consulti	ing		Frazier, How	ard	Broadcom C	orporation	
Comment Type E	Comment Status D		EZ	Comment Ty	pe TR	Comment Status D		Format
expect alphanumerical o	oking at P802.3/D3.0, this list rder would be appropriate, and	d will submit a co	mment against			w convention in the 802.3 WG s subclause must be deleted.	G of not including	the project objectives in
document.	s section alphanumerical orde	ered. Also, forma	t does not match base	SuggestedR	emedy			
SuggestedRemedy				Delete 1	13.1.1 Objecti	ves.		
Change editing instruction order. Additionally, it ap	on to be Insert the following in pears that the semicolon shou format as is used in the base	ld be followed by	a tab rather than a	Proposed Re PROPO	esponse SED ACCEP <sup>-</sup>	Response Status <b>W</b> T.		
left).			ignity indented on the	C/ 28D	SC 28D.9	P <b>28</b>	L 10	# 455
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			Frazier, How	ard	Broadcom C	orporation	
PROPOSED ACCEPT.				Comment Ty	pe TR	Comment Status D		Format
See comment 409. Insert in order consisten Format same as base or				new BAS 25G, 2.5	SE-T PHY is g G and 5G. M	introduced by 100BASE-T2 of getting out of hand, and will be lany of the extensions apply to	come worse with all of the BASE-1	the future additions of PHYs introduced
C/ Annex SC	P <b>25</b>	L <b>1</b>	# 260			-T2. Rather than instantiating present this information in tak		extensions for 40GBASE-
Grow, Robert	RMG Consulti	ing		SuggestedR				
Comment Type E There does not appear to	Comment Status <b>D</b> to be any modifications to this <i>i</i>	Annex.	EZ	Replace	28D.4, 28D.5	, 28D.6 and 28D.8 with a new Γ PHYs in a table that is easily		
				Proposed Re	esponse	Response Status W		
SuggestedRemedy						_		
SuggestedRemedy Remove Annex 28A from	n the FrameMaker book.				SED REJECT	-		
Proposed Response	n the FrameMaker book. <i>Response Status</i> <b>W</b> (dup of comments 5, 138, 379	5, 248, 263)		Text is c capabiliti	onsistent with es the new Pl	<ul> <li>existing base standard style a HY requires for those unfamilia ovide replacement text.</li> </ul>		
Remove Annex 28A from Proposed Response PROPOSED ACCEPT.	Response Status W	5, 248, 263) <i>L</i> <b>25</b>	# 24	Text is c capabiliti	onsistent with es the new Pl	existing base standard style a HY requires for those unfamilia		
Remove Annex 28A from Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.14	Response Status W (dup of comments 5, 138, 37	L 25	# 24	Text is c capabiliti Commer	onsistent with es the new Ph tor fails to pro SC <b>1.4</b>	existing base standard style a HY requires for those unfamilia ovide replacement text.	ar with older PHYs	s, which is useful.
Remove Annex 28A from Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.14 Hajduczenia, Marek	Response Status W (dup of comments 5, 138, 379 P 46	L 25	# 24	Text is c capabiliti Commer	onsistent with es the new Pl tor fails to pro SC 1.4 Marek	existing base standard style a HY requires for those unfamilia ovide replacement text. P 20	ar with older PHYs	s, which is useful.
Remove Annex 28A from Proposed Response PROPOSED ACCEPT. CI 45 SC 45.2.3.14 Hajduczenia, Marek Comment Type T	Response Status W (dup of comments 5, 138, 379 <i>P</i> 46 Bright House I	L 25 Networks	Format	Text is c capabiliti Commer <i>CI</i> <b>01</b> Hajduczenia, <i>Comment Ty</i>	onsistent with es the new Ph tor fails to pro SC 1.4 Marek pe T	existing base standard style a HY requires for those unfamilia ovide replacement text. P <b>20</b> Bright House	ar with older PHYs <i>L</i> <b>21</b> e Networks	s, which is useful. # [ <u>1</u>
Remove Annex 28A from Proposed Response PROPOSED ACCEPT. CI 45 SC 45.2.3.14 Hajduczenia, Marek Comment Type T In Table 45-129, there a other changes in Clause	Response Status W (dup of comments 5, 138, 379 P 46 Bright House I Comment Status D re multiple instances of "10GE 45, text "10GBASE-T or 40G	<i>L</i> 25 Networks BASE-T or 40GB BASE-T " should	Format ASE-T ". Following I be "10/40GBASE-T"	Text is c capabiliti Commer <i>CI</i> <b>01</b> Hajduczenia, <i>Comment Ty</i>	onsistent with es the new Ph tor fails to pro SC 1.4 Marek pe T clear why we s	existing base standard style a HY requires for those unfamilia ovide replacement text. P 20 Bright House Comment Status D	ar with older PHYs <i>L</i> <b>21</b> e Networks	s, which is useful. # [ <u>1</u>
Remove Annex 28A from Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.14 Hajduczenia, Marek Comment Type T In Table 45-129, there a other changes in Clause since the statements are	Response Status W (dup of comments 5, 138, 379 P 46 Bright House I Comment Status D re multiple instances of "10GE	<i>L</i> 25 Networks BASE-T or 40GB BASE-T " should	Format ASE-T ". Following I be "10/40GBASE-T"	Text is c capabiliti Commer C/ 01 Hajduczenia, Comment Ty It is not c SuggestedR Change	onsistent with es the new Ph tor fails to pro SC 1.4 Marek pe T clear why we s emedy '2,000 MHz" t	existing base standard style a HY requires for those unfamilia ovide replacement text. P 20 Bright House Comment Status D say "2,000 MHz" and not rathe	<i>L</i> 21 <i>L</i> 21 Networks r "2 GHz"	s, which is useful. # 1 <i>Format</i> gory 8.1 and Category
Remove Annex 28A from Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.14 Hajduczenia, Marek Comment Type T In Table 45-129, there a other changes in Clause since the statements are SuggestedRemedy	Response Status W (dup of comments 5, 138, 379 P 46 Bright House I Comment Status D re multiple instances of "10GE 45, text "10GBASE-T or 40G e applicable to 10GBASE-T an	L 25 Networks BASE-T or 40GB BBASE-T " should ad 40GBASE-T a	<i>Format</i> ASE-T ". Following I be "10/40GBASE-T" like	C/ 01 Hajduczenia, Comment Ty It is not of SuggestedRe Change 8.2. The	onsistent with es the new Ph tor fails to pro SC 1.4 Marek pe T clear why we s emedy '2,000 MHz" t re is no reason	existing base standard style a HY requires for those unfamilia ovide replacement text. P 20 Bright House <i>Comment Status</i> D say "2,000 MHz" and not rathe to "2 GHz" in line 21 and 30 in n to spell out MHz when the n	<i>L</i> 21 <i>L</i> 21 Networks r "2 GHz"	s, which is useful. # 1 <i>Format</i> gory 8.1 and Category
Remove Annex 28A from Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.14 Hajduczenia, Marek Comment Type T In Table 45-129, there a other changes in Clause since the statements are SuggestedRemedy Change "10GBASE-T o	Response Status W (dup of comments 5, 138, 379 P 46 Bright House I Comment Status D re multiple instances of "10GE 45, text "10GBASE-T or 40G	<i>L</i> 25 Networks BASE-T or 40GB BASE-T " should ad 40GBASE-T a BASE-T in Table	Format ASE-T ". Following I be "10/40GBASE-T" like 45-129. Consider	Text is c capabiliti Commer C/ 01 Hajduczenia, Comment Ty It is not of SuggestedR Change 8.2. The Proposed Re	onsistent with es the new Ph tor fails to pro SC 1.4 Marek pe T clear why we s emedy '2,000 MHz" t re is no reason esponse	existing base standard style a HY requires for those unfamilia ovide replacement text. P 20 Bright House <i>Comment Status</i> D say "2,000 MHz" and not rathe to "2 GHz" in line 21 and 30 in n to spell out MHz when the no <i>Response Status</i> W	<i>L</i> 21 <i>L</i> 21 Networks r "2 GHz"	s, which is useful. # 1 <i>Format</i> gory 8.1 and Category
Remove Annex 28A from Proposed Response PROPOSED ACCEPT. Cl 45 SC 45.2.3.14 Hajduczenia, Marek Comment Type T In Table 45-129, there a other changes in Clause since the statements are SuggestedRemedy Change "10GBASE-T o	Response Status W (dup of comments 5, 138, 379 P 46 Bright House I Comment Status D re multiple instances of "10GE 45, text "10GBASE-T or 40G e applicable to 10GBASE-T an r 40GBASE-T " to "10G/40GE	<i>L</i> 25 Networks BASE-T or 40GB BASE-T " should ad 40GBASE-T a BASE-T in Table	Format ASE-T ". Following I be "10/40GBASE-T" like 45-129. Consider	Text is c capabiliti Commer C/ 01 Hajduczenia, Comment Ty It is not of SuggestedR Change 8.2. The Proposed Re PROPO	onsistent with es the new Ph tor fails to pro SC 1.4 Marek pe T clear why we s emedy '2,000 MHz" t re is no reason esponse SED ACCEP	existing base standard style a HY requires for those unfamilia ovide replacement text. P 20 Bright House <i>Comment Status</i> D say "2,000 MHz" and not rathe to "2 GHz" in line 21 and 30 in n to spell out MHz when the n	L 21 L 21 Networks T' 2 GHz" definition of Cate umber in GHz is r	s, which is useful. # 1 <i>Format</i> gory 8.1 and Category

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: Topic

Topic F	ormat
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	3	C/ 113	SC 113	P 94	L 1	# 125
Frazier, Howard Broadcom Corporation		Anslow, Pet	e	Ciena		
Comment Type E Comment Status D	Format	Comment T	ype ER	Comment Status	)	Forma
In Figure 113-29, the state diagram has instances where a space is missing between operator and operand.	n an	difficult	for the editors	n Clause 113 appear to be s of the revision project whe e recommends a minimum f	en figures need to be	e changed.
SuggestedRemedy Look for "minwait_timer_done*" and change to "minwait_timer_done *".				with a much smaller size t		
Proposed Response Response Status W		SuggestedF	-			
PROPOSED ACCEPT.		as Figu	re 113-38) ed	s in Clause 113 (with the e litable in FrameMaker. This e of text in figures that is sn	s includes Figures 1'	
C/ 00 SC P L # 482 Brown, Matt APM	2	Proposed R	•	Response Status V	V	
Comment Type E Comment Status D	Format	Editor to	o review figure	PT IN PRINCIPLE. es for font sizes smaller that	an 8 pt. Editor to red	raw figures as updated
For Figure 113-1, use similar format/syntax for similar figures for other 25G, 40G, and PHYs. As an example, see 802.3bx D2.1 Figure 80-1.	d 100G			e in FrameMaker.		
SuggestedRemedy		C/ 113 Remein. Du	SC 113.3.7		L <b>20</b> Technologies	# 399
For XLGMII use superscript "1".		, -			Ū	<b>F</b>
Replace note "*XLGMII" with "NOTE 1XLGMII is optional". Alternately, this is the or that states this in this particular diagram. Consider removing this note. Change "FORTY GIGABIT" to "40 GIGABIT"	nly PHY		dition from T	Comment Status <b>D</b> X_L, T_TYPE(tx_raw) = (C hese lines should not be co	+ D + E + S + T ) is	Format s different from the exit
Proposed Response Response Status W		SuggestedF	Remedy			
PROPOSED ACCEPT IN PRINCIPLE.		Redraw	loop tx_lpi_a	ctive line so it does not con	nect to the exit trans	ition from TX_L
LATE COMMENT - TASK FORCE TO VOTE ON CONSIDERING		Proposed R PROPC	esponse SED ACCE	Response Status <b>v</b> PT.	v	
Figure to be cleaned up to align with style of both 25G/40G/100G and 10GBASE-T P Delete note "XLGMII is optional" with	PHYs.	C/ 00	SC 0	P 18	L 27	# 255
Change FORTY GIGABIT to 40 GIGABIT		Grow, Robe		RMG Co		
		Comment T Someth		Comment Status <b>D</b> the definitions here, a space		Format
		SuggestedF Fix Frar	Remedy neMaker defii	nitions		
		Proposed R		Response Status V	v	
		PROPO	DSED ACCEI	PT IN PRINCIPLE. n table of contents. Dup of		

Topic Format

C/ 113 Frazier, How	SC 113.4.6.1 vard	P 149 Broadcom Cor	L 37 poration	#	142	<i>CI</i> 30 Remein, D	SC <b>30.2.5</b> Nuane		P <b>29</b> Huawei Techr	L <b>7</b> nologies	# 372
Comment T	vpe ER	Comment Status D			Format	Comment	Type ER	Commer	nt Status D	0	Form
In Figur but this	e 113-29, all arcs was not done for	s must enter the top of the stat the state PMA_INIT_FR.	e and exit from	the bottom c	f the state,	While should	the Edition Inst be marked) of	Table 30-1e th	ere are none app	parent.	MN HEADER (which able and should be
SuggestedF	2	they enter the top and exit fror	n the bottom of	the state PM		remov	ed.			-	
0		,		The State Fiv	IA_IINIT_FK.	Suggested	Remedy				
	, DSED ACCEPT.	Response Status W					ge the Editing In ction and Table		ore accurately des	scribe the chang	e or remove the Editing
		in clause 55, as well as simila 78) - commenter may wish to f				Proposed	Response	Response	e Status W		
	currently in proce						OSED ACCEP				
C/ 113 Frazier, How	SC 113.4.6.1	P 149 Broadcom Cor	L <b>8</b> poration	# [	141	Packa	ge' to read '1	0G/40GBASE-	Change column h T Operating Mar t table in revision	gin Package…' a	ASE-T Operating Margin as shown "
Comment T	vpe ER	Comment Status D			Format	C/ 78	SC 78.5		P 59	L <b>3</b>	# 44
-		try tag "I" should not appear or	n the arc going	from the PC	S Data state	Hajduczen			Bright House		
	NIT MAXWAIT T	I IMER state but must instead	nave it s own a					<u> </u>			Form
to the IN directly diagram	into the top of the 1.	TIMER state but must instead NIT_MAXWAIT_TIMER sta			wded	PHYs'	BASE-T PHY ar		nt Status <b>D</b> PHY" - in other	locations, we us	ed "10G/40GBASE-T
to the IN directly diagram SuggestedR	into the top of the n. Remedy		te. I realize tha		wded	"10GB PHYs' <i>Suggestea</i>	BASE-T PHY ar " <i>IRemedy</i>	nd 40GBASE-T	PHY" - in other		ed "10G/40GBASE-T
to the IN directly diagram SuggestedR	into the top of the n. Remedy e entry tag "I" its o	● INIT_MAXWAIT_TIMER sta	te. I realize tha		wded	"10GB PHYs' <i>Suggested</i> Chang	BASE-T PHY ar " <i>IRemedy</i> ge "10GBASE-T	PHY and 40G	PHY" - in other		
to the IN directly diagram SuggestedR Give the Proposed R PROPC Figure is	into the top of the n. Remedy e entry tag "I" its o Response DSED ACCEPT. s identical to Figu	● INIT_MAXWAIT_TIMER sta	te. I realize tha _TIMER. vision draft, with	at this is a cro		"10GB PHYs" <i>Suggestea</i> Chang modify <i>Proposed</i>	BASE-T PHY ar " <i>IRemedy</i> ge "10GBASE-T y verbs to match	PHY and 40GBASE-T PHY and 40G accordingly. <i>Response</i>	BASE-T PHY" - in other		ed "10G/40GBASE-T
to the IN directly diagram SuggestedR Give the Proposed R PROPC Figure is	into the top of the n. Remedy e entry tag "I" its o Response DSED ACCEPT. s identical to Figu	■ INIT_MAXWAIT_TIMER stands over the standard state over the s	te. I realize tha _TIMER. vision draft, with	at this is a cro		"10GB PHYs" Suggestea Chang modify Proposed PROP	BASE-T PHY ar Remedy ge "10GBASE-T verbs to match Response POSED REJEC	PHY and 40GBASE-T PHY and 40G accordingly. <i>Response</i> T. See comme	BASE-T PHY" - in other BASE-T PHY" to Status <b>W</b> nt 17	o "10G/40GBAS	ed "10G/40GBASE-T
to the IN directly diagram SuggestedR Give the Proposed R PROPC Figure is	into the top of the n. Remedy e entry tag "I" its o Response DSED ACCEPT. s identical to Figu	■ INIT_MAXWAIT_TIMER stands over the standard state over the s	te. I realize tha _TIMER. vision draft, with	at this is a cro		"10GB PHYs" <i>Suggestea</i> Chang modify <i>Proposed</i>	BASE-T PHY ar Remedy ge "10GBASE-T verbs to match Response POSED REJEC SC <b>113.3.6</b>	PHY and 40GBASE-T PHY and 40G accordingly. <i>Response</i> T. See comme	BASE-T PHY" - in other	o "10G/40GBAS 	ed "10G/40GBASE-T
to the IN directly diagram SuggestedR Give the Proposed R PROPC Figure is	into the top of the n. Remedy e entry tag "I" its o Response DSED ACCEPT. s identical to Figu	■ INIT_MAXWAIT_TIMER stands over the standard state over the s	te. I realize tha _TIMER. vision draft, with	at this is a cro		"10GB PHYs" Suggested Chang modify Proposed PROP C/ 113	BASE-T PHY ar Remedy ge "10GBASE-T verbs to match Response POSED REJEC SC 113.3.6 pward	PHY and 40GBASE-T PHY and 40G accordingly. <i>Response</i> T. See comme	PHY" - in other BASE-T PHY" to Status W Int 17 P 125	o "10G/40GBAS 	ed "10G/40GBASE-T
to the IN directly diagram SuggestedR Give the Proposed R PROPC Figure is	into the top of the n. Remedy e entry tag "I" its o Response DSED ACCEPT. s identical to Figu	■ INIT_MAXWAIT_TIMER stands over the standard state over the s	te. I realize tha _TIMER. vision draft, with	at this is a cro		"10GB PHYs" Suggestea Chang modify Proposed PROP C/ 113 Frazier, Ho Comment In Figu fact, th	ASE-T PHY ar <i>Remedy</i> ge "10GBASE-T verbs to match <i>Response</i> POSED REJEC SC 113.3.6 pward <i>Type</i> ER ure 113-19, two	PHY and 40GBASE-T PHY and 40G accordingly. <i>Response</i> T. See comme .4 <i>Commer</i> of the arcs exit diagram has se	<ul> <li>PHY" - in other</li> <li>BASE-T PHY" to</li> <li>Status W</li> <li>nt 17</li> <li>P 125</li> <li>Broadcom Cont Status D</li> <li>ting from the RX-everal instances v</li> </ul>	o "10G/40GBAS <i>L</i> 34 orporation _E state are miss	ed "10G/40GBASE-T SE-T PHYs" and then # 461
to the IN directly diagram SuggestedR Give the Proposed R PROPC Figure is	into the top of the n. Remedy e entry tag "I" its o Response DSED ACCEPT. s identical to Figu	■ INIT_MAXWAIT_TIMER stands over the standard state over the s	te. I realize tha _TIMER. vision draft, with	at this is a cro		"10GB PHYs" Suggestea Chang modify Proposed PROP C/ 113 Frazier, Ho Comment In Figu fact, th	ASE-T PHY ar <i>Remedy</i> ge "10GBASE-T verbs to match <i>Response</i> POSED REJEC SC 113.3.6 oward <i>Type</i> ER ure 113-19, two nis whole state of or and operand	PHY and 40GBASE-T PHY and 40G accordingly. <i>Response</i> T. See comme .4 <i>Commer</i> of the arcs exit diagram has se	<ul> <li>PHY" - in other</li> <li>BASE-T PHY" to</li> <li>Status W</li> <li>nt 17</li> <li>P 125</li> <li>Broadcom Cont Status D</li> <li>ting from the RX-everal instances v</li> </ul>	o "10G/40GBAS <i>L</i> 34 orporation _E state are miss	ed "10G/40GBASE-T SE-T PHYs" and then # 461 Form sing a space in "C+". In
to the IN directly diagram SuggestedR Give the Proposed R PROPC Figure is	into the top of the n. Remedy e entry tag "I" its o Response DSED ACCEPT. s identical to Figu	■ INIT_MAXWAIT_TIMER stands over the standard state over the s	te. I realize tha _TIMER. vision draft, with	at this is a cro		"10GB PHYs" Suggestea Chang modify Proposed PROP C/ 113 Frazier, Ho Comment In Figu fact, th operat Suggestea	ASE-T PHY ar <i>Remedy</i> ge "10GBASE-T verbs to match <i>Response</i> POSED REJEC SC 113.3.6 oward <i>Type</i> ER ure 113-19, two his whole state of for and operand <i>Remedy</i>	PHY and 40GBASE-T PHY and 40G accordingly. <i>Response</i> T. See comme .4 <i>Commer</i> of the arcs exit diagram has se . Look for "C+"	<ul> <li>PHY" - in other</li> <li>BASE-T PHY" to</li> <li>Status W</li> <li>nt 17</li> <li>P 125</li> <li>Broadcom Cont Status D</li> <li>ting from the RX-everal instances v</li> </ul>	o "10G/40GBAS <i>L</i> 34 orporation _E state are miss where a space is	ed "10G/40GBASE-T SE-T PHYs" and then # 461 Form sing a space in "C+". In
to the IN directly diagram SuggestedR Give the Proposed R PROPC Figure is	into the top of the n. Remedy e entry tag "I" its o Response DSED ACCEPT. s identical to Figu	■ INIT_MAXWAIT_TIMER stands over the standard state over the s	te. I realize tha _TIMER. vision draft, with	at this is a cro		"10GB PHYs" Suggestea Chang modify Proposed PROP C/ 113 Frazier, Ho Comment In Figu fact, th operat Suggestea	BASE-T PHY ar <i>Remedy</i> ge "10GBASE-T verbs to match <i>Response</i> POSED REJEC SC 113.3.6 oward <i>Type</i> ER ure 113-19, two his whole state of for and operand <i>Remedy</i> or "C+" and "T*	PHY and 40GBASE-T PHY and 40G accordingly. <i>Response</i> T. See comme .4 .4 <i>Commer</i> of the arcs exit diagram has se . Look for "C+"	BASE-T PHY" to BASE-T PHY" to Status W nt 17 P 125 Broadcom Co out Status D ting from the RX_ everal instances w and "T*".	o "10G/40GBAS <i>L</i> 34 orporation _E state are miss where a space is	ed "10G/40GBASE-T SE-T PHYs" and then # 461 Form sing a space in "C+". In

Topic Format

C/ 113 SC 113.3.6.4 P 125 L 1 # 462	C/ 113 SC 113.4.2.5.13 P 138 L 1 # 463
Frazier, Howard Broadcom Corporation	Frazier, Howard Broadcom Corporation
Comment Type         ER         Comment Status         D         Format           My sympathies         to the editor         who drew the state diagrams. I know it isn't easy. I observe that the state diagrams look somewhat crowded, with transition conditions overlapping arcs. I think that the diagrams would benefit from being expanded in both dimensions to reduce crowding.	Comment Type       E       Comment Status       D       Format         In Figure 113-18 there are several polylines that have an arrowhead in between the begining and the end of the polyline, because they were drawn as a series of individual line segments.       Format
SuggestedRemedy	SuggestedRemedy
Expand state diagrams in both dimensions to reduce crowding.	Remove the extraneous arrowheads by either changing the end style or redrawing as polylines.
Proposed Response       Response Status       W         PROPOSED REJECT.       State diagrams are consistent with style and density of 802.3 standard in other clauses. These particular state diagrams are identical to those in clause 55, and are less crowded than others	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Editor believe that commenter means Figure 113-28, based on page and description.
C/     45     SC     45.21.66     P 41     L 34     #     17	C/113SC113.1.1P 71L 31#2Hajduczenia, MarekBright House Networks
Hajduczenia, Marek       Bright House Networks         Comment Type       T       Comment Status       D       Format         Is there any reason for separating 10GBASE-T and 40GBASE-T when in other locations we used "10G/40GBASE-T" to designate them together?       SuggestedRemedy         Change "10GBASE-T and 40GBASE-T PMAs" to "10G/40GBASE-T PMAs"       Similar change on page 41, line 43; page 41, line 52; page 42, line 6	Comment Type       TR       Comment Status       D       Format         Objectives should not be listed anymore.       SuggestedRemedy       Format       Format         SuggestedRemedy       Remove 113.1.1 altogether - objectives are recored in project documentation and do not matter for definition of PHY.       Proposed Response       Response Status       W         PROPOSED ACCEPT. See comment 457       V       V       V       V
Similarly, "10GBASE-T or 40GBASE-T" should be changed to "10G/40GBASE-T" on page 42, line 31, line 39, There are also similar instances in 45.2.3.13.4, 45.2.3.13.5, 45.2.3.14 and following subclauses where entries for 40GBASE-T were added. <i>Proposed Response Response Status</i> W PROPOSED REJECT. Rule is that when text refers to a jointly used control or status bit or register (or other joint functional unit) 10G/40G (or xG) is used. When PMAs are referred to, they are specific and distinct, for example, a 10GBASE-T PHY may or may not have a 40GBASE-T functionality - there is no such thing as a single PMA capable of 10G & 40G operation defined in 802.3 (although devices may be built that implement both 10G and 40G PMAs)	C/ 113       SC 113.1.1       P 71       L 31       # 124         Anslow, Pete       Ciena       Comment Type       E       Comment Status       D       Format         Recent amendments to 802.3 (802.3bj, 802.3bm, 802.3bw, 802.3by) have not included the project objectives in the draft and have removed some that were already there. See 69.1.2 and 80.1.2 in IEEE Std 802.3bj-2014. See 96.1.1 in the compare version of P802.3bw D1.4.       SuggestedRemedy         Remove 113.1.1 entirely.       Proposed Response       Response Status       W         PROPOSED ACCEPT. See comment 457       V       P

C/ 80 SC 80.1	P 61	L <b>20</b>	# 234	-	SC 113.8.1	P 182	L <b>3</b>	# 404	
Booth, Brad	Microsoft			Belopolsky, Ya	akov	Bel Stewart			
Comment Type T	Comment Status D		Format	Comment Typ		Comment Status D			MD
Figure 80-1 should be	cleaned up to improve readabili	ty. Plus, a few co	rrections are required.			d to operate over the cabling that ard that includes Class I and Cla			nizoc
SuggestedRemedy						egories 6a and 7a or better car			11263
on the right side of bo between bracket and between the xMII and	he AN in the 40GBASE-T PHY ( th the 40GBASE-R and 40GBAS 100GBASE-R stack to help indic the MDI. Remove the XLGMII la III label for 40GBASE-T to point	SE-T stack, and c cate that PHY app bel and arrow fro	create separation plies to all the sublayers m the 40GBASE-R, and	connecto better bal performan transmiss	rs Connector ance (no-split nce. Numerou sion performar	not published, very limited techn s with mechanical interface spe pair issues) and support more r is presentations were given to II ce. The reliance on the only on BASE-T technology	cified in the II obust channe EEE illustratir	EC61076-3-110 hav el transmission ng the superior	
Make similar fixes to F	ïgure 81-1.			Figures 1	13-40 & 113-4	1: The informational figures 11	3-40 and 113	-41 are misleading.	
Proposed Response	Response Status W			SuggestedRe	medy				
PROPOSED ACCEP	Τ.				Dictures 113-4	0 and 113-41 ence starting with "These conne	ctors are den	icted "	
C/ 01 SC 1.5	P <b>20</b>	L <b>41</b>	# 419	Line offer		nice starting with These conne			
'immerman, George	CME Consulti	ng				connectors meeting the require rnative mechanical interface to			lished)
Comment Type ER	Comment Status D		Format	Proposed Response Response Status W					
Abbreviation text is a placeholder. Abbreviations missing. SuggestedRemedy Insert : "Editors Note (to be removed prior to publication): Abbreviations clause here is a				See draft	ED REJECT. liaison from IE s on D1.2.	C on 60603-7-81 status. Addit	ionally see Ta	ask Force Review	
	viations new to this amendment t comment on and flag new abbrev			C/ 113	SC 113.8.2.2	P 184	L	# 465	
	-			Lackner, Hans	6	QoSCom Gmbl	1		
Replace "ABBR" abbi "xGBASE-T BASE-T	eviation entry with: Ethernet PCS/PMA/PMDs with	1000Mbps or gr	eater speed"	Comment Typ		Comment Status D			MD
Proposed Response	Response Status W					channels specified can only be r so a shielded design. When usi			
PROPOSED ACCEP	,					s in Formula 113-57 are too high		e symmetry mechan	ISINS
See comment 332				SuggestedRe	medv	0			
				Change in Formula 113-57 48 to 40 and 44 to 35,7 Add to editors note in line 33 that lines 38-54 will be removed prior to publication.					
				Proposed Re		Response Status W			
					•				
				PROPOS	SED REJECT	Equation number stated is not	valid Assum	nina	

Topic MDI

C/         113         SC         113.8.2.2         P         183         L         27         #         345           Lusted, Kent         Intel         Intel	C/         113         SC         113.8.1         P         182         L         9         #         55           McDermott, Thomas         Fujitsu
Comment Type       E       Comment Status       D       MDI         An illustration of the Insertion Loss limit given in EQ 113-46 improves readability.       MDI	Comment Type       E       Comment Status       D       ML         At this point in time, it appears that all Cat 8 cables are shielded cable. Figures 133-40 and 113 41, and table 113- 23 do not indicate any shield connection point(s).       ML
SuggestedRemedy Add graphic.	SuggestedRemedy
Proposed Response Response Status W	Revised both figures and the table to indicate shield connection point(s).
PROPOSED REJECT. EQ 113-46 is 113.8.2.2 MDI impedance balance. Commentor please check comment.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
C/     113     SC     113.8.1     P     183     L     3     #     466       Lackner, Hans     QoSCom GmbH	Editor to check figures 133-40 and 113-41 figures for consistency with IEC 60603-7-51 and IEC 60603-7-81 and revise if figures illustrate shield connection points; if shield not indicated, will add a note indicating shielding requirements.
Comment Type         TR         Comment Status         D         MDI           IEC 60603-7-51/81 is not suitable for all applications. It should be possible to use as alternative         MDI         MDI	C/ 113 SC 113.8.2.2 P 183 L 49 # 110
connector IEC 61076-3-110 or 60603-7-82.	Cibula, Peter Intel Corporation
SuggestedRemedy	Comment Type E Comment Status D MI
	impedance belonce requirement and the descriptive test method. Lince 21 and 22 state "Test
IEC 61076-3-110 or 60603-7-82 may be used.  Proposed Response Response Status W  PROPOSED REJECT. IEC 60603-7-51/81 shall be used. 113.8.1 MDI connectors Eight-pin connectors meeting the requirements of IEC 60603-7-51 (published) with the improved characteristics and frequency extensions specified in IEC 60603-7-81 shall be used as the mechanical interface to the balanced cabling. The plug connector shall be used on the balanced cabling and the jack on the PHY	<ul> <li>impedance balance requirement and the descriptive test method. Lines 31 and 32 state "Test-mode 5 may be used to generate an appropriate transmitter output.", while Lines 49 and 50 state " but with the transmitter output disabled." The phrase in Lines 49 and 50 appears to be in error and is inconsistent with other text.</li> <li>SuggestedRemedy As indicated in the recommended text on Page 12 of cibula_3bq_02_0115.pdf, change the text in Lines 49 and 50 from "During the test the PHY is connected to the MDI as in normal operation, but with the transmitter output disabled." to "During the test the PHY is connected to the MDI as in normal operation." </li> </ul>
Proposed Response       Response Status       W         PROPOSED REJECT. IEC 60603-7-51/81 shall be used. 113.8.1 MDI connectors       Eight-pin connectors meeting the requirements of IEC 60603-7-51 (published) with the improved characteristics and frequency extensions specified in IEC 60603-7-81 shall be used as the mechanical interface to the balanced cabling. The plug connector shall be used on the balanced cabling	<ul> <li>mode 5 may be used to generate an appropriate transmitter output.", while Lines 49 and 50 state " but with the transmitter output disabled." The phrase in Lines 49 and 50 appears to be in error and is inconsistent with other text.</li> <li>SuggestedRemedy</li> <li>As indicated in the recommended text on Page 12 of cibula_3bq_02_0115.pdf, change the text in Lines 49 and 50 from "During the test the PHY is connected to the MDI as in normal operation, but with the transmitter output disabled." to "During the test the PHY is connected to the PH</li></ul>
Proposed Response Response Status W PROPOSED REJECT. IEC 60603-7-51/81 shall be used. 113.8.1 MDI connectors Eight-pin connectors meeting the requirements of IEC 60603-7-51 (published) with the improved characteristics and frequency extensions specified in IEC 60603-7-81 shall be used as the mechanical interface to the balanced cabling. The plug connector shall be used on the balanced cabling and the jack on	<ul> <li>mode 5 may be used to generate an appropriate transmitter output.", while Lines 49 and 50 state " but with the transmitter output disabled." The phrase in Lines 49 and 50 appears to be in error and is inconsistent with other text.</li> <li>SuggestedRemedy As indicated in the recommended text on Page 12 of cibula_3bq_02_0115.pdf, change the text in Lines 49 and 50 from "During the test the PHY is connected to the MDI as in normal operation, but with the transmitter output disabled." to "During the test the PHY is connected to the MDI as in normal operation." Proposed Response Response Response Status W</li></ul>
Proposed Response Response Status W PROPOSED REJECT. IEC 60603-7-51/81 shall be used. 113.8.1 MDI connectors Eight-pin connectors meeting the requirements of IEC 60603-7-51 (published) with the improved characteristics and frequency extensions specified in IEC 60603-7-81 shall be used as the mechanical interface to the balanced cabling. The plug connector shall be used on the balanced cabling and the jack on	mode 5 may be used to generate an appropriate transmitter output.", while Lines 49 and 50 state " but with the transmitter output disabled." The phrase in Lines 49 and 50 appears to be in error and is inconsistent with other text.         SuggestedRemedy         As indicated in the recommended text on Page 12 of cibula_3bq_02_0115.pdf, change the text in Lines 49 and 50 from "During the test the PHY is connected to the MDI as in normal operation, but with the transmitter output disabled." to "During the test the PHY is connected to the MDI as in normal operation."         Proposed Response       Response Status       W         PROPOSED ACCEPT.       CI 113       SC 113.8.2.1       P 183       L 12       # 344
Proposed Response Response Status W PROPOSED REJECT. IEC 60603-7-51/81 shall be used. 113.8.1 MDI connectors Eight-pin connectors meeting the requirements of IEC 60603-7-51 (published) with the improved characteristics and frequency extensions specified in IEC 60603-7-81 shall be used as the mechanical interface to the balanced cabling. The plug connector shall be used on the balanced cabling and the jack on	mode 5 may be used to generate an appropriate transmitter output.", while Lines 49 and 50 state " but with the transmitter output disabled." The phrase in Lines 49 and 50 appears to be in error and is inconsistent with other text.         SuggestedRemedy         As indicated in the recommended text on Page 12 of cibula_3bq_02_0115.pdf, change the text in Lines 49 and 50 from "During the test the PHY is connected to the MDI as in normal operation, but with the transmitter output disabled." to "During the test the PHY is connected to the MDI as in normal operation."         Proposed Response       Response Status       W         PROPOSED ACCEPT.       CI 113       SC 113.8.2.1       P 183       L 12       # 344         Lusted, Kent       Intel       Comment Type       E       Comment Status       D       Mt

Topic MDI

C/ 113 SC 113.11	P 185	L 46	# 237	C/ 45 SC 45.2.1.62.1 P 40 L 17 # 313
Brown, Thomas	Vitesse Semico	onductor		Hidaka, Yasuo Fujitsu Laboratories of
Comment Type E	Comment Status D		MGMT	Comment Type T Comment Status D MG
The sum of transmit and	l receive delays shall not exc	ceed 25 600 BT	Г.	The definition of a new field of 1.129.1 is confused and mixed with the definition of an existing field of 1.129.0.
The number of BT's of d	lelay should be specified as one	e number.		
SuggestedRemedy				The same problem in Table 45-54.
Correct the sum of trans	mit and receive delays by spec	ifying one num	ber of BT.	SuggestedRemedy
Proposed Response	Response Status W			Change 45.2.1.62.1 as follows:
PROPOSED REJECT. I implementation flexibility.	Practice is consistent with 10G	BASE-T Phys	and allows for	45.2.1.62.1 40GBASE-T LP information valid (1.129.1)
Cl 45 SC 45.2.7.11. Zimmerman, George	7 P 50 CME Consultin	L <b>4</b> g	# 421	When read as a one, bit 1.129.1 indicates that the startup protocol defined in 113.4.2.5 has been completed, and that the contents of bits 1.130.11:0, 1.131.15:10, 1.145.14:8, 1.146.14: and 1.146.6:0, which are established during the startup protocol, are valid. When read as a rear bit 1.120.1 indicates that the content of protocol are performed and that the
Comment Type T Incorrect bit referenced in	Comment Status D		MGMT	zero, bit 1.129.1 indicates that the startup process has not been completed, and that the contents of these bits that are established during the startup protocol are invalid. A 40GBASE T PMA shall return a value of zero in bit 1.129.1 if PMA link_status=FAIL.
SuggestedRemedy Change 7.33.11 to 7.33.4	8			45.2.1.62.2 10GBASE-T LP information valid (1.129.0) When read as a one, bit 1.129.0 indicates that the startup protocol defined in 55.4.2.5 has be
Proposed Response PROPOSED ACCEPT.	Response Status W			completed, and that the contents of bits 1.130.11:0, 1.131.15:10, 1.145.14:8, 1.146.14:8, and 1.146.6:0, which are established during the startup protocol, are valid. When read as a zero, 1.129.0 indicates that the startup process has not been completed, and that the contents of these bits that are established during the startup protocol are invalid. A 10GBASE-T PMA sh return a value of zero in bit 1.129.0 if PMA link_status=FAIL.
				Change Table 45-54 as follows:
				Bit(s) Name Description 1.129.15:2 Reserved (same as before) 1.129.1 40GBASE-T LP information valid (same as 1.129.0) 1.129.0 10GBASE-T LP information valid (same as before)
				Proposed Response Response Status W
				PROPOSED REJECT. There is only one link partner at a time so the functionality of LP

information valid is combined into one bit for 10G & 40GBASE-T (see comment 316)

Cl 113       SC 113.6       P 168       L 20       # 401         Remein, Duane       Huawei Technologies       MGMT         This pare mark is sound like Cl 45 and MDIO are required for 40G. However Cl 45 is optional for all subsequent clauses.       MGMT         See related comment against Cl 28D.8 pg 28 ln 12       Suggested/Remedy         Suggested/Remedy       Create a cross reference table (for example see 82.3.1 PMD MDIO function mapping Table 82-10 and elsewhere in Section 6 of the Sld that lists required variables and their corresponding MDIO registers.       Suggested/Remedy         Proposed Response       Response Status       W         PROPOSED REJECT.       Statement is clease f5.       MGMT         Some of the marked change make little sense: 'BASE-R, 10GBASE-T or the 40GBASE-T PCS'       MGMT         Some of the marked change make little sense: 'BASE-R, 10GBASE-T, or 40GBASE-T PCS''       MGMT         Suggested/Remedy       Comment Status D       MGMT         Some of the marked change make little sense: 'BASE-R, 10GBASE-T, or the 40GBASE-T PCS''       MGMT         Songested/Remedy       Capped SED REJECT.       The statement is clease f1.12         Suggested/Remedy       Comment Status D       MGMT         Some of the marked change make little sense: 'BASE-R, and 10GBASE-T, or 40GBASE-T, or 40GBASE-T, or 40GBASE-T, or 40GBASE-T, or 40GBASE-T, or 40GBASE-T, or 5' use proper markup       Proposed Response       P28 <th></th>										
Comment Type       TR       Comment Status       D       MGMT         This para make is sound like Cl 45 and MDIO are required for 40G. However Cl 45 is optional for all subsequent clauses.       This para make is sound like Cl 45 and MDIO are required for 40G. However Cl 45 is optional for all subsequent clauses.       This statement requires Cl 45 which is optional for all Eth. *A 40GBASE-T PHY shall use the management register definitions and values specified Table 113-19.*         Suggested/Remedy       Create a cross reference table (for example see 82.3.1 PMD MDIO function mapping Table 82-10 and elsewhere in Section 6 of the Std that lists required variables and their corresponding MDIO registers.       Suggested/Remedy         Proposed Response       Response Status       W         PROPOSED REJECT.       Statement is clear that the functions MAY BE provided by Cl 45, language and definitions are consistent with existing language in Clause 55.       Pat       L 46       Image Test Comment Type       Response Status       W         Comment Type       ER       Comment Status       D       MGMT       MGMT         Some of the marked change make little sense:       BASE-R, PCS or the 10GBASE-T or the 40GBASE-T PCS " or the 40GBASE-T PCS " or the 40GBASE-T or the 40GBASE-T PCS " or the 40GBASE-T PCS " or the 40GBASE-T or the 40GBASE-T PCS " or the 40GBASE-T or the 40GBASE-T PCS " or the proper markup Change "When the BASE-R, PCS or the 10GBASE-T or the 40GBASE-T PCS " or the 40GBASE-T PCS " or the 40GBASE-T PCS " or the proper markup Change "RASE-R, 10GBASE-T, or 40GBASE-T PCS " or the 40GBASE-T PCS " or the 40GBASE-T PCS " or the 4					# 401					# 402
This para make is sound like Cl 45 and MDIO are required for 40G. However Cl 45 is optional for all subsequent clauses. See related comment against Cl 28D.8 pg 28 ln 12 SuggestedRemedy Create a cross reference table (for example see 82.3.1 PMD MDIO function mapping Table 82-10 and elsewhere in Section 6 of the Std that lists required variables and their corresponding MDIO registers. Proposed Response Response Status W PROPOSED REJECT. Statement is clear that the functions MAY BE provided by Cl 45, language and definitions are consistent with existing language in Clause 55. Cl 45 SC 45.2.3.13 P 44 L 46 # 22 Hajduczenia, Marek Bright House Networks Comment Type ER Comment Status D MGMT Some of the marked change make little sense: "BASE-R, and 10GBASE-T or the 40GBASE-T or the 40GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "to read "when the BASE-R PCS to read BASE-R PCS to read a provide provide to portion to portion to portion to portion to portion to	Remein, Duane	9	Huawei Techn	ologies		Remein, Duane		Huawei Lechn	lologies	
SuggestedRemedy       SuggestedRemedy         Create a cross reference table (for example see 82.3.1 PMD MDIO function mapping Table 82- 10 and elsewhere in Section 6 of the Std that lists required variables and their corresponding MDIO registers.       See comment against Cl 113.6 pg 168 ln 20.         Proposed Response       Response Status       W         PROPOSED REJECT.       Statement is clear that the functions MAY BE provided by Cl 45, language and definitions are consistent with existing language in Clause 55.       Proposed Response       Response Status       W         Cl 45       SC 45.2.3.13       P44       L46       #       Z2       The statement is consistent with Clause 55. The statement refers to the definitions and not the implementation of the registers.         Cl 45       SC 45.2.3.13       P44       L46       #       Z2       Cl 28D       SC 28D.8       P 28       L 12       #       400         Some of the marked change make little sense:       BASE-R, and 10GBASE-T, or 40GBASE-T, or the 40GBASE-T PCS " to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS or the 10GBASE-T, or the 40GBASE-T PCS " to read "when the BASE-R PCS or the 10GBASE-T, or the 40GBASE-T PCS " to read "when the BASE-R PCS or the 10GBASE-T, or use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE	This para n for all subs	make is sound equent clause	l like Cl 45 and MDIO are reques.	iired for 40G. Ho		This statem "A 40GBAS	ent requires E-T PHY s	Cl 45 which is optional for all		MGM
Create a cross reference table (for example see 82.3.1 PMD MDIO function mapping Table 82- 10 and elsewhere in Section 6 of the Std that lists required variables and their corresponding MDIO registers.       See comment against C F150 bg 100 m20.         Proposed Response       Response Status W         PROPOSED REJECT.       Statement is clear that the functions MAY BE provided by Cl 45, language and definitions are consistent with existing language in Clause 55.       W         Cl 45       SC 45.2.3.13       P 44       L 46       #       PROPOSED REJECT.         Statement is clear that the functions MAY BE provided by Cl 45, language and definitions are consistent with existing language in Clause 55.       MGMT       The statement is consistent with Clause 55.       The statement is consistent with Clause 55.         Cl 45       SC 45.2.3.13       P 44       L 46       #       22       Cl 28D       SC 28D.8       P 28       L 12       # 400         Some of the marked change make little sense: "BASE-R, and 10GBASE-T, or 40GBASE-T, or 40GBASE-T or the 40GBASE-T PCS "       MGMT       MGMT         SuggestedRemedy       SuggestedRemedy       This statement implies Cl 45 (which is optional in it's entirety) is required: "requires additional MDIO registers"       This statement with clause 51.11 pg 168 ln 43 which al implies Cl 45 registers are required).         SuggestedRemedy       Change "BASE-R, 10GBASE-T, or the 40GBASE-T PCS " use proper markup Change "BASE-R, 10GBASE-T, or the 40GBASE-T PCS " use proper markup Change "BASE-R,	See related	d comment ag	ainst Cl 28D.8 pg 28 ln 12			SuggestedRem	edy			
10 and elsewhere in Section 6 of the Std that lists required variables and their corresponding MDIO registers.       Scrub the draft for any statements that require Cl 45 and reword to require variables rath Cl 45 registers.         Proposed Response       Response Status W         PROPOSED REJECT.       Statement is clear that the functions MAY BE provided by Cl 45, language and definitions are consistent with existing language in Clause 55.       Proposed Response Casesonse       Response Status W         Cl 45       SC 45.2.3.13       P 44       L 46       Image: Comment Status D       Cl 28D       SC 28D.8       P 28       L 12       Image: Cl 400         Hajduczenia, Marek       Bright House Networks       MGMT       Some of the marked change make little sense: "BASE-R, and 10GBASE-T, or 40GBASE-T, or 40GBASE-T, or 40GBASE-T, or the 40GBASE-T PCS "       MGMT       This statement implies Cl 45 (which is optional in it's entirety) is required: "requires additional MDIO registers"         SuggestedRemedy       Change "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or 40GBASE-T PCS " use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T PCS " use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T r - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T r - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T r - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T r - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T r - use proper markup Change "BASE-R, 10GBA	SuggestedRem	nedy				See comme	ent against C	Cl 113.6 pg 168 ln 20.		
PROPOSED REJECT.         Statement is clear that the functions MAY BE provided by Cl 45, language and definitions are consistent with existing language in Clause 55.         Cl 45       SC 45.2.3.13       P 44       L 46       # 22         Hajduczenia, Marek       Bright House Networks       Cl 28D       SC 28D.8       P 28       L 12       # 400         Some of the marked change make little sense: "BASE-R, and 10GBASE-T, or 40GBASE-T, or the 40GBASE-T PCS " to read "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS or the 10GBASE-T, or the 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or the 40GBASE-T PCS " to read "when the BASE-R, 10GBASE-T, or 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T WW       SuggestedRemedy         Proposed Response       Response Status       W	10 and els	ewhere in Sec	· ·		11 0			statements that require CI 45 a	and reword to rec	quire variables rather than
Hajduczenia, Marek       Bright House Networks       Remein, Duane       Huawei Technologies         Comment Type       ER       Comment Status       D       MGMT         Some of the marked change make little sense: "BASE-R, and 10GBASE-T, or 40GBASE-T", or "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "       MGMT       This statement implies CI 45 (which is optional in it's entirety) is required: "requires additional MDIO registers"         SuggestedRemedy       This statement implies CI 45 (which is optional in it's entirety) is required: "requires additional MDIO registers"         Change "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or the 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T is use proper markup Change "BASE-R, 10GBASE-T,	Statement i	is clear that th	•	l by Cl 45, langua	age and definitions are	The statem	ent is consis	stent with Clause 55. The state	ement refers to t	he definitions and values,
Comment Type       ER       Comment Status       D       MGMT         Some of the marked change make little sense: "BASE-R, and 10GBASE-T, or 40GBASE-T", or "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "       MGMT       This statement implies CI 45 (which is optional in it's entirety) is required: "requires additional MDIO registers"         SuggestedRemedy       Change "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or the 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper ma	CI <b>45</b> S	C 45.2.3.13	P <b>44</b>	L <b>46</b>	# 22	C/ 28D S	C 28D.8	P 28	L 12	# 400
Some of the marked change make little sense: "BASE-R, and 10GBASE-T, or 40GBASE-T", or "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " SuggestedRemedy Change "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or the 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or the 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or the 40GBASE-T " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T" - use proper markup Change The section 6 of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std that lists required variables and their correspondence of the Std tha	Hajduczenia, M	larek	Bright House N	Networks		Remein, Duane		Huawei Techn	ologies	
or "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " SuggestedRemedy Change "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or the 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or the 40GBASE-T " - use proper markup Proposed Response Response Response Status W  Proposed Response Response Response Response Response Comparison Comparis	Comment Type	stedRemedy         eate a cross reference table (for example see 82.3.1 PMD MDIO function mapping Table 82- or and elsewhere in Section 6 of the Std that lists required variables and their corresponding DIO registers.       See comment against Cl 113.6 pg 168 ln 20.         sed Response       Response Status       W         ROPOSED REJECT.       Response in Clause 55.       Proposed Response       Response Status       W         Scene table (for example see 82.3.1 PMD MDIO function mapping Table 82- or and elsewhere in Section 6 of the Std that lists required variables and their corresponding DIO registers.       W       See comment against Cl 113.6 pg 168 ln 20.         Scene table (for example see 82.3.1 PMD MDIO function mapping Table 82- pand elsewhere in Section 6 of the Std that lists required variables and their corresponding DIO registers.       W       Normal Status W         Reprove ER       Response       Response       Response Status W         Remein, Marek       Bright House Networks       MGMT         me of the marked change make little sense: "BASE-R, and 10GBASE-T, or 40GBASE-T, or the 40GBASE-T PCS "       MGMT         "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS "       to the additional MDIO registers"       This statement implies Cl 45 registers are required).         BASE-R PCS, 10GBASE-T, or the 40GBASE-T PCS " - use proper markup       See comment function	MGM1							
Suggesteakernedy       implies Cl 45 registers are required).         Change "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or the 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T " - use proper markup       implies Cl 45 registers are required).         Proposed Response       Response Status       W         DEDEDDOEED       W       Create a cross reference table (for example see 82.3.1 PMD MDIO function mapping Ta 10 and elsewhere in Section 6 of the Std that lists required variables and their corresponent of the						"requires ac	ditional MD	IO registers"		
Change "when the BASE-R PCS or the 10GBASE-T or the 40GBASE-T PCS " to read "when the BASE-R PCS, 10GBASE-T, or the 40GBASE-T PCS " - use proper markup Change "BASE-R, 10GBASE-T, or 40GBASE-T" - use proper markup Proposed Response Response Status W Create a cross reference table (for example see 82.3.1 PMD MDIO function mapping Ta 10 and elsewhere in Section 6 of the Std that lists required variables and their correspon	SuggestedRem	nedy					•		as 113.6.1.1 pg	168 In 43 which also
Proposed Response Status W 10 and elsewhere in Section 6 of the Std that lists required variables and their correspon	the BASE-I	R PCS, 10GE	BASE-T, or the 40GBASE-T P	CS " - use prope	er markup	SuggestedRem	edy	. ,		
5			Response Status W			10 and else	ewhere in Se	· · ·		11 0

Proposed Response Response Status W

PROPOSED REJECT.

Text is consistent with existing Annex 28D text in 28D.6 and 28D.7

Topic MGMT

C/ 45 SC 45.2.1.64.1 P 41 L 13 # 316	C/ 113 SC 113.1.3 P72 L 52 # 458
Hidaka, Yasuo Fujitsu Laboratories of	Frazier, Howard Broadcom Corporation
Comment Type     T     Comment Status     D     MGMT       Only existing LP information valid bit 1.129.0 is referred.     SuggestedRemedy     MGMT	Comment Type         TR         Comment Status         D         PCS           Half of footnote 5 is useful information that should be moved into the body of the subclause, and the other half is tutorial information that should not be included in the standard.         PCS
Change "If LP information valid bit, 1.129.0, is set to one" with "If either 10GBASE-T LP information valid bit, 1.129.0, or 40GBASE-T LP information valid bit, 1.129.1, is set to one". Proposed Response Response Status W	SuggestedRemedy Move the sentence "5The DSQ128 symbols are obtained by concatenating two time-adjacent 1D PAM16 symbols and retaining among the 256 possible Cartesian product combinations, 128 maximally spaced 2D symbols." into the body of the
PROPOSED REJECT. Since there can only be one LP at a time, there is only one LP information valid bit. (see comment 313)	subclause immediately after "(double square 128).". Delete the remainder of the footnote. <i>Proposed Response Response Status W</i> PROPOSED REJECT.  Footnote is consistent with other text is IEEE Std. 202.2 through multiple revision cuples, and
Cl     113     SC     113.1.3.1     P 76     L 27     # 459       Frazier, Howard     Broadcom Corporation     Broadcom Corporation     PCS       Comment Type     TR     Comment Status     D     PCS	Footnote is consistent with other text in IEEE Std. 802.3 through multiple revision cycles, and provides useful information, suitable for a footnote. This information was added to IEEE Std. 802.3 by IEEE Std. 802.3an-2006 for clarity the nature of the DSQ128 constellation, and is relevant to Clause 113 as well.
Comment Type         TR         Comment Status         D         PCS           In this paragraph we find a repetition of the text that appeared in footnote 5 on page 72. The last sentence of this paragraph is tutorial in nature and does not belong in the standard.         PCS	C/         81         SC         81.1         P 65         L 33         # 338           Hidaka, Yasuo         Fujitsu Laboratories of         Fujitsu Laboratories of         Fujitsu Laboratories of
SuggestedRemedy         Delete the sentence: "The resulting         checkerboard constellation is based on a lattice called RZ2 in the literature (see Forney [B31])."         Proposed Response       Response Status       W	Comment Type       E       Comment Status       D       PCS         Definition of RS-LDPC is missing.       SuggestedRemedy       Add definition of RS-LDPC as follows:
PROPOSED REJECT. Sentence is consistent with other text in IEEE Std. 802.3, through multiple revisions. This information was added to IEEE Std. 802.3 by IEEE Std. 802.3an-2006 for clarity the nature of the DSQ128 constellation (vs., for example, the PAM16 modulation), and is relevant to Clause 113 as well.	RS-LDPC = REED-SOLOMON LOW-DENSITY PARITY CHECK Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 332, removing RS-LDPC as an abbreviation from the text and using existing RS- FEC and LDPC abbreviations.

Topic PCS

C/ 113 SC 113.3.2.3	P 108	L <b>8</b>	# 293		C/ 113	SC 113.3.2.	2.23	P 106	L <b>31</b>	# 439	
Hidaka, Yasuo	Fujitsu Laborato	ories of			Zimmerma	n, George		CME Consulti	ng		
Comment Type T Co	mment Status D			PCS	Comment	Гуре <b>E</b>	Commer	nt Status D			PCS
The statement "One XLGMII d PCS receive function well.	ata transfer is decoded fr	om each block	." does not describ	e the	Refere blocks	nces to LDPC f	ramer blocks o	of purely 65B bloc	ks should now b	be mixed 512B and	65B
SuggestedRemedy					Suggested	Remedy					
Change the statement "One XI following:			ch block." with the		Chang "betwe	e: "betewen the en the mixed 51	65-bit width o 3B and 65B b	LDPC framer in 7 f the 65B blocks a locks and the 4D	and the 4D-PAM -PAM16" (line 31	116" to 1)	
50 XLGMII data transfers are o	decoded from one RS-LD	PC frame.						encoded LP_IDL	E" to "entirely of I	RS-LDPC encoded	I
Proposed Response Res PROPOSED ACCEPT.	sponse Status W				Chang		oding techniq	ue" to "mixed 512 ne 52, cl. 113.4.2		3 RS-LDPC encodi	ng
C/ 113 SC 113.3.2.2.15	P 98	L 26	# 283		Proposed I	Response	Response	e Status W			
			" 200			OSED ACCEP					
Hidaka, Yasuo     Fujitsu Laboratories of       Comment Type     T     Comment Status     D     PCS       The ratio of transfer rates should be "25:128".					Rename 65B-LDPC framer to block-LDPC framer in 113.3.2.2.23 title & paragraph Change: "betewen the 65-bit width of the 65B blocks and the 4D-PAM16" to "between the mixed 513B and 65B blocks and the 4D-PAM16" (line 31)						
	iu de 23.120.				Chang	e "entirely of 64	B/65B LDPC-	encoded LP_IDL	```	RS-FEC and LDPC	2
SuggestedRemedy						d LP_IDLE" (lir				3 RS-FEC and LDF	20
Change "25:64" on line 26, page	5							(p. 130, line 52, c			
Proposed Response Res PROPOSED ACCEPT.	sponse Status W				(see co	omment 332)			,		
					C/ 113	SC 113.3.6.	2.1	P 115	L 24	# 422	
					Zimmerma	, George		CME Consulti	ng		
					Comment	<i>Туре</i> <b>т</b>	Commer	nt Status D			PCS
					blocks	don't go to LDP	C encoder an	ymore, now they g	go to the transco	der and framer first	t
					Suggested	Remedy					
					65B-L	PC framer if p	revious comme	o the 512B/513B ent on 113.3.2.2.2 <_T, IBLOCK_T		block-LDPC framer ed) - in 4 places,	" (or
					Proposed I	,	,	e Status W			
					PROP	OSED ACCEP	Τ.				

C/ 80 SC 80.1.3 P 61 L 37 # 332	C/ 113 SC 1.2 P72 L 10 # 57					
Hidaka, Yasuo Fujitsu Laboratories of	McDermott, Thomas Fujitsu					
Comment Type         T         Comment Status         D         PCS           A new abbreviation for "RS-LDPC" is not defined.         PCS         PCS	Comment Type ER Comment Status D PCS Figure 113-1 does not show the RS-LPDC FEC PCS sublayer, as shown in figure 81-1 for 40GBASE-T.					
SuggestedRemedy Add a definition of "RS-LDPC" as follows"	SuggestedRemedy Revise figure 113-1 to include RS LDPC FEC PCS sublayer.					
RS-LDPC = REED-SOLOMON LOW-DENSITY PARITY CHECK	Proposed Response Response Status W					
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Use existing 802.3 defined abbreviations, RS-FEC and LDPC, as follows:	PROPOSED ACCEPT IN PRINCIPLE. Revise Figure 113-1 to show 40GBASE-T PCS See comment 332					
Change RS-LDPC PCS in Figures 80-1 and 81-1 to "40GBASE-T PCS"	C/         113         SC 3         P 99         L         #         403           Wang, Zhongfeng         Broadcom Corp.         H         403					
In 113.3.2.2 (p. 80, line 44) change "mixed 513B-65B-RS-LDPC encoding" to "mixed 513B-65B-RS-FEC-LDPC encoding"	Comment Type TR Comment Status D PCS Table 113-2 title: Trancoded bocks including control blocks (without leading 0).					
Insert in 80.1.4 after line 49, "40GBASE-T uses a combination of Reed-Solomon-FEC (RS-FEC) and low density parity check (LDPC) FECs in its physical coding sublayer that is mapped to a 128 double-square (DSQ128) constellation for transmission on 4-pair, twisted-pair copper cabling." See comments 200 and 439	<ul> <li>this operation will involve muxing logic for all 64 bits for every data and control block, which casue extra hardware. In addition, at the receiver side, we need wait until entire 513B data is received before finishing reverse trancoding.</li> <li>SuggestedRemedy <ol> <li>We only need swap location of first byte for each data or control block. This leads to much reduced muxing logic.</li> </ol> </li> </ul>					
C/ 113         SC 113.3.2.2.5         P 95         L 7         # 77           Mark, Laubach         Broadcom Corporation	2) We transmit the first bytes of each data and control block immediately after leading 0. Then we transmit the rest 7 bytes for each data and control block. This will save significant processing latency at receiver side.					
Comment Type       E       Comment Status       D       PCS         Regarding "Editor's Note (to be removed prior to publication): Figure 113–9 shows the full set of 32 bit block alignments n the anticipation of updating the document to include a 25Gbps rate which may be 32 bit aligned.". First "n" should be "in". Second, is there any technical impact on this specification if Figure 113-9 is left as is and then remove this EN?	The aboves changes fully maintain data mapping of original trancoding operation for each data byte. Only data reordering is involved. So there is no performance hurt. Please see wang's contributions for detailed description. Proposed Response Response Status W					
SuggestedRemedy	PROPOSED ACCEPT IN PRINCIPLE.					
Remove EN if possible.	Task Force to consider presentation on alternative transcoding					
Proposed Response Response Status W						
PROPOSED ACCEPT IN PRINCIPLE. Fix 'n' to "in". Purpose of note is to avoid comments deleting extra block alignments until 25GBASE-T PAR is resolved. EN to be removed at that time.						
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/gener COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/writte						

SORT ORDER: Topic

C/ 113 SC 113.3.2.2.15 P 98 L 24 # 282	C/ 113 SC 113.5.4.3 P 161 L 32 # 445
Hidaka, Yasuo Fujitsu Laboratories of	Frazier, Howard Broadcom Corporation
Comment Type T Comment Status D PCS	Comment Type TR Comment Status D PM
The second and third statements "A single XLGMII data transfers is encoded into each block. It takes 256 PMA_UNITDATA transfers to send an LDPC frame of data." in the paragraph do not describe the transmit process well.	If the editor's note is correct, then this draft was not ready for WG ballot. SuggestedRemedy
SuggestedRemedy Change the second and third statements of the paragraph with the following:	If the editor's note is incorrect, then remove it. If the editor's note is correct, then "confirm the source-adjustment criteria, measurement points, and levels used with the clamp methodology in this subclause" and restart the WG ballot.
50 XLGMII data transfers are encoded into an RS-LDPC frame. It takes 256 PMA_UNITDATA transfers to send an RS-LDPC frame of data.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Remove editor's note.
Proposed Response Response Status W	
PROPOSED ACCEPT IN PRINCIPLE. Change to read, "50 XLGMII data transfers are encoded into an LDPC frame. It takes 256 PMA UNITDATA transfers to send an LDPC frame of data."	C/         113         SC         113.5.3.2         P 158         L 47         #         444           Frazier, Howard         Broadcom Corporation         Here and the second seco
(note the term LPDC frame is used throughout both Clause 55 and draft clause 113 to represent the framing structure including the uncoded or RS-FEC coded bits)	If the editor's note is correct, then this draft was not ready for WG ballot. SuggestedRemedy If the note is false, then remove it. If it is true, then fix the SFDR and restart the WG ballot.
lidaka, Yasuo Fujitsu Laboratories of	Pronosed Response Response Status W
Comment Type <b>T</b> Comment Status <b>D</b> PMA The statement "Common-mode tests use the common-mode return point as a reference." on	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 424
omment Type T Comment Status D PMA	PROPOSED ACCEPT IN PRINCIPLE.
omment Type       T       Comment Status       D       PMA         The statement "Common-mode tests use the common-mode return point as a reference." on line 33, page 154 is out of context and not clear.       PMA         There is not definition of the common-mode return point.       PMA	PROPOSED ACCEPT IN PRINCIPLE. See comment 424
Comment Type <b>T</b> Comment Status <b>D</b> PMA The statement "Common-mode tests use the common-mode return point as a reference." on line 33, page 154 is out of context and not clear.	PROPOSED ACCEPT IN PRINCIPLE.           See comment 424           C/ 113         SC 113.5.3.2         P 158         L 47         # 424
Comment Type       T       Comment Status       D       PMA         The statement "Common-mode tests use the common-mode return point as a reference." on line 33, page 154 is out of context and not clear.       There is not definition of the common-mode return point.       There is no nearby descriptions about common-mode tests.       It should be moved to an appropriate location with a referenct to the definition of the common-mode.	PROPOSED ACCEPT IN PRINCIPLE.         See comment 424         Cl 113       SC 113.5.3.2       P 158       L 47       # 424         Zimmerman, George       CME Consulting         Comment Type       T       Comment Status       D       PM         Equation 113-9, needs to be frequency scaled to get the same SNR due to transmitter nonlinear distortion as 10GBASE-T, as flagged by editors note. Editor's note has served its
comment Type       T       Comment Status       D       PMA         The statement "Common-mode tests use the common-mode return point as a reference." on line 33, page 154 is out of context and not clear.       There is not definition of the common-mode return point.       There is no nearby descriptions about common-mode tests.         It should be moved to an appropriate location with a referenct to the definition of the common-mode.       uggestedRemedy	PROPOSED ACCEPT IN PRINCIPLE.         See comment 424         Cl 113 SC 113.5.3.2       P 158       L 47       # 424         Zimmerman, George       CME Consulting         Comment Type       T       Comment Status       D       PM         Equation 113-9, needs to be frequency scaled to get the same SNR due to transmitter nonlinear distortion as 10GBASE-T, as flagged by editors note. Editor's note has served its purpose.       PM
Comment Type       T       Comment Status       D       PMA         The statement "Common-mode tests use the common-mode return point as a reference." on line 33, page 154 is out of context and not clear.       There is not definition of the common-mode return point.       There is no nearby descriptions about common-mode tests.       It should be moved to an appropriate location with a referenct to the definition of the common-mode return point, or removed.	PROPOSED ACCEPT IN PRINCIPLE.         See comment 424         Cl 113 SC 113.5.3.2       P 158       L 47       # 424         Zimmerman, George       CME Consulting         Comment Type       T       Comment Status       D       PM         Equation 113-9, needs to be frequency scaled to get the same SNR due to transmitter nonlinear distortion as 10GBASE-T, as flagged by editors note. Editor's note has served its purpose.       SuggestedRemedy         In Equation 113-9: change f/25 to f/100       H
Comment Type       T       Comment Status       D       PMA         The statement "Common-mode tests use the common-mode return point as a reference." on line 33, page 154 is out of context and not clear.       There is not definition of the common-mode return point.       There is no nearby descriptions about common-mode tests.       It should be moved to an appropriate location with a referenct to the definition of the common-mode return point, or removed.         SuggestedRemedy       Remove the statement of "Common-mode tests use the common-mode return point as a reference" on line 33, page 154.	PROPOSED ACCEPT IN PRINCIPLE. See comment 424 Cl 113 SC 113.5.3.2 P 158 L 47 # 424 Zimmerman, George CME Consulting Comment Type T Comment Status D Plu Equation 113-9, needs to be frequency scaled to get the same SNR due to transmitter nonlinear distortion as 10GBASE-T, as flagged by editors note. Editor's note has served its purpose. SuggestedRemedy In Equation 113-9: change f/25 to f/100 Delete editors note, lines 47-50
Comment Type       T       Comment Status       D       PMA         The statement "Common-mode tests use the common-mode return point as a reference." on line 33, page 154 is out of context and not clear.       There is not definition of the common-mode return point.       There is no nearby descriptions about common-mode tests.       It should be moved to an appropriate location with a referenct to the definition of the common-mode return point, or removed.         SuggestedRemedy       Remove the statement of "Common-mode tests use the common-mode return point as a reference" on line 33, page 154.	PROPOSED ACCEPT IN PRINCIPLE.         See comment 424         Cl 113 SC 113.5.3.2       P 158       L 47       # 424         Zimmerman, George       CME Consulting         Comment Type       T       Comment Status       D       PM         Equation 113-9, needs to be frequency scaled to get the same SNR due to transmitter nonlinear distortion as 10GBASE-T, as flagged by editors note. Editor's note has served its purpose.       SuggestedRemedy         In Equation 113-9: change f/25 to f/100       H

Topic PMA

Cl 113 SC 113.4.5.1 Dai, Shaoan	P <b>145</b> Marvell	L <b>30</b>	# 464		Cl 113 Zimmerman,	SC 113.5.4.5 George	P 162 CME Consulting	L <b>33</b>	# 426
Comment Type TR	Comment Status <b>D</b> na_reset which appears in F	g 113-29.		PMA	Comment Ty	pe T	Comment Status D annels" - there is only one, and		Shortreacl
SuggestedRemedy Insert the following definit "pma_reset Allows reset of the PHY ( Values: ON or OFF" Proposed Response PROPOSED ACCEPT.	ion: Control and Link Monitor state <i>Response Status</i> <b>W</b>	e diagrams.			meeting Proposed Re PROPO	through both sl the requirement <i>sponse</i> SED ACCEPT	nort reach test channels" with " s specified in 113.5.4.6". <i>Response Status</i> <b>W</b> IN PRINCIPLE. In text with other comments on t	Ū (	, .
	ing 802.3bx WG balloting to	Clause 55.			C/ 113	SC 113.5.4.5	P <b>162</b>	L <b>40</b>	# 427
C/ 113 SC 113.5.4.6 McClellan, Brett Comment Type TR	P 162 Marvell Comment Status D	L <b>42</b>	# <u>97</u>	ortreach	•	pe <b>T</b> 1.131 (Phy Sho	CME Consulting Comment Status D ort reach mode) is misnamed, a	-	Shortreach 40G inserted in clause
Subclause 113.5.4.6 Dire 113.5.4.6.14 specify a lin	ect attach cable assembly and k segment, not receiver elect s under Subclause 113.7 Lir	rical specificatior	3.5.4.6.1 through is. The appropriate		SuggestedR Change	PHY short read	2) ch register setting" to "PHY sho 2.1.64.2, after "The short reach		
SuggestedRemedy Move Subclauses 113.5.	4.6 through 113.5.4.6.14 into	o 113.7.			provides parameti	a means for op ic performance	eration on a cable plant that has equivalent to 30 m of Class F a	6	
	Response Status W N PRINCIPLE. e as 'short reach/direct attach o refer to new subclause und				segment parameti	rt reach mode o that has ic performance	of the 40GBASE-T PHY provide equivalent to a 5m direct attach		
reach test mode.					Proposed Re	,	Response Status W See comment 97		
C/ 113 SC 113.5.4.5 Frazier, Howard	P <b>162</b> Broadcom Co	L <b>37</b> rporation	# 446						
	Comment Status <b>D</b> problem in the sentence: "The is in 113.5.4.6 are specified t			ortreach the					
"The short reach cable as	add change the text of 113. sembly contains balanced to ort reach link segment of up t	visted-pair termin							
Proposed Response PROPOSED ACCEPT. Implement with comment	Response Status W								
TYPE: TR/technical required	ER/editorial required GR/ge					nsatisfied Z/with		ortreach	Page 89 of 94 4/29/2015 2:42:10

SORT ORDER: Topic

C/ 113 SC 113.5.4.6 P 162 L 43 # 447	C/ 113 SC 113.6.1.2 P 170 L 20 # 107
Frazier, Howard Broadcom Corporation	Lo, William Marvell Semiconductor
Comment Type         TR         Comment Status         D         Shortreach           Use of the term "direct attach cable assembly" will cause confusion in the industry. The industry generally regards a DAC cable as being constructed of two twin-axial cables, not a short segment of 4 twisted pair.         Shortreach	Comment Type       TR       Comment Status       D       Training         40GBASE-T specifies option to reset training PRBS. However it is not clear such bit is defined in table 113-20       SuggestedRemedy
SuggestedRemedy         Change the subclause heading to be "Short reach cable assembly" and change the text of the subclause to read:         "The short reach cable assembly contains balanced twisted-pair terminated in a connector at each end for use as a short reach link segment of up to 5 meters in length between MDIs."         Proposed Response       Response Status       W	Option 1: In bit U20 rename "LD PMA training reset request" to "40/10GBASE-T LD PMA training reset request" The rationale of sharing the same bit for both speeds is that any implementation that prefers one way for one speed will most likely prefer the same way for the other speed. There is no need to specify a separate bit for 10G and 40G.
PROPOSED ACCEPT IN PRINCIPLE. Text of subclause to be implemented with comment#97.	Option 2: Remove the option to reset PMA training PRBS every frame in 40GBASE-T
Direct attach terminology for committee discussion. Please note; Direct attach usage consistent with definitions in	Commenter is ok if either option 1 or 2 adopted.
specifications for 100 $\Omega$ Category 8 Cabling (TR42.7-2015-04-04x-Category- 8_d3.1_Copyright.pdf) direct attach: A reduced channel definition that includes plug connectors at the beginning and end of the channel and does not contain connecting hardware within the	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Task Force to discuss with 93 & 84
channel.	CI 55 SC 55 P 55 L 1 # 103
C/ 113 SC 113.5.4.6 P 162 L 43 # 448	McClellan, Brett Marvell
razier, Howard Broadcom Corporation	Comment Type TR Comment Status D Trainin
Comment Type         TR         Comment Status         D         Shortreach           The description of the short reach cable assembly should not be a subclause of the receiver electrical specifications. Instead, it should be a subclause of 113.7 Link segment characteristics.         Shortreach	In November the Maintenance task force considered a maintenance request to remove the 10GBASE-T periodic training. The task force forwarded the request to the 802.3bq task force for consideration.
SuggestedRemedy	http://www.ieee802.org/3/maint/requests/maint_1266.pdf http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1266
Move all of 113.5.4.6 and its subclauses under 113.7.	SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 97	Implement the changes to Clauses 45 and 55 as detailed in http://www.ieee802.org/3/maint/requests/maint_1266.pdf as part of 802.3bq. In addition, in 55.4.2.5.15 Fast retrain function delete text "The training sequence without periodic re-initialization described in 55.3.4 shall be used during fast retraining, with the scramblers free-running from PCS Reset. If scrambler re- initialization is used for normal training, it shall be disabled and the scramblers shall begin free- running when the PHY Control state diagram enters the PCS_Test state and the variable fr_active is FALSE."
	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Task Force to consider maintenance request

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: Topic

Topic Training

Page 90 of 94 4/29/2015 2:42:11 PM

Training

C/ 113	SC 113.4.2.5.15	P 141	L <b>5</b>	# 94
McClellan, B	rett	Marvell		

The current text for fast retrain has the THP enabled during the PMA\_Coeff\_Exch state. During normal link training, the THP is bypassed in PMA\_Coeff\_Exch state enabling the receiver to determine the optimal DFE/THP for the link conditions. Allowing the local device to request the link partner to bypass the THP during fast retrain in the PMA\_Coeff\_Exch state will enable the receiver to determine the optimal DFE/THP for the link conditions.

### SuggestedRemedy

Comment Type

TR

change "After completing the link failure signal the PHY shall transition to the

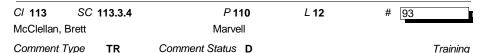
Comment Status D

PMA\_Coeff\_Exch state, keep its THP turned on with its previously exchanged coefficients, and send PAM2 signaling within a time period equivalent to 9 LDPC frame periods."

to "After completing the link failure signal the PHY shall transition to the PMA\_Coeff\_Exch state. If the link partner requested THP bypass during fast retrain the PHY will bypass the THP (or set THP coefficients to zero) during the PMA\_Coeff\_Exchstate state. Otherwise the PHY will keep its THP turned on with its previously exchanged coefficients, and send PAM2 signaling within a time period equivalent to 9 LDPC frame periods."

Proposed Response Response Status W

PROPOSED ACCEPT.



The optional periodic training sequence in this text is identical to the 10GBASE-T periodic training that was added to Clause 55 based on a vendor proposal: http://www.ieee802.org/3/an/public/nov04/ungerboeck\_1\_1104.pdf slide 23 However, the same vendor recently reported that the periodic training sequence is not used by any 10GBASE-T device and is not suitable for adapting equalizer and canceller coefficients. http://www.ieee802.org/3/bq/public/jul14/souvignier\_3bq\_01\_0714.pdf slide 3 If requested by the link partner a local device is required to transmit the periodic training sequence resulting in poor adaptation of echo and NEXT cancellers at the local device. Further, 10GBASE-T and 40GBASE-T share one advertisement bit for the periodic training request from the link partner. Since 10GBASE-T PHY's cannot work with the periodic training, a 10G/40G capable PHY will never advertise the periodic training.

### SuggestedRemedy

Eliminate the optional periodic training sequence.

113.3.4 PMA training side-stream scrambler polynomials

remove text:

"Moreover during Auto-Negotiation each transceiver may request the remote transceiver to reinitialize the values of its scrambler state after every 16384 symbol periods, to generate a periodically repeating pattern with repetition period 16384. The initial 33-bit values of the scrambler state shall be generated by combining 0x39A422 for the 22 MSBs and random value SB10-SB0 from Table 113-20 generated by the local device for the 11 LSBs as shown in Figure 113-14."

Figure 113-14

remove text from "n mod 16384 = 0" through "else:"

113.3.5.3 Refresh period signaling

delete the text:

"The training sequence without periodic reinitialization described in 113.3.4 shall be used during the LPI mode, with the scramblers free-running starting in the state PMA\_PBO\_Exch. If scrambler reinitialization is used for normal training, it shall be disabled and the scramblers shall begin free-running when the PHY Control state diagram is in the state PMA\_PBO\_Exch and the receiver detects a valid requested transmitter PBO setting (Oct 7 Valid<7> equal to 1)."

113.4.2.5.15 page 141 line 15

change "The training sequence without periodic re-initialization described in 113.3.4 shall be used

during fast retraining, with the scramblers free-running from PCS Reset. If scrambler reinitialization is used for normal training, it shall be disabled and the scramblers shall begin freerunning when the PHY Control state diagram enters the PCS\_Test state and the variable fr\_active is FALSE."

to "The training sequence in 113.3.4 shall be used during fast retraining, with the scramblers free-running from PCS Reset."

113.6.1 Support for Auto-Negotiation

Topic Training

page 168 line 38 delete item c)	C/ 45 SC 45.2.1.62 P 40 L 11 # 102					
Table 113-20 in row U20 change text from "LD PMA training reset request"	McClellan, Brett Marvell					
to either "10GBASE-T LD PMA training reset request" or "This bit is not defined for 10GBASE- T but reserved for future use." depending on resolution to comment on 10GBASE-T periodic training. 113.12.3 Physical Coding Sublayer (PCS) delete the line items: PCT19 PMA training scrambler reset	Comment TypeTComment StatusDxGBASClause 45 registers and bits should be renamed from '10G/40GBASE-T' to 'xGBASE-T' for simplification and in anticipation of supporting 25G, 2.5G and 5G which will use the same registers. NOTE: Annex 28C has already been modified to use xGBASE-T. See page 27 line 16 Clause 55 was also changed, see page 55.					
PCT31 Disable scrambler reinitialization under "PCT30 LPI scrambler" delete the text: "The training sequence without periodic re-initialization described in 113.3.5 shall be used"	SuggestedRemedy Replace '10G/40GBASE-T' with 'xGBASE-T' in register and register bit names. Replace only in register names and bit names but not in descriptions that include a listing of					
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Consider with maintenance request in comment 103	speeds. e.g. do not replace on page 46 line 40. Example locations: 45.2.1.62 page 40 lines 11, 13, 23, 28, 41, 45, 49, 51					
Consider with comments 84 & 107	Proposed Response Response Status W					
C/         113         SC         113.6.1.2         P 170         L 5         # 84           Kim, Yong         Broadcom	PROPOSED ACCEPT. See comment 6 for definition of xGBASE-T					
Comment Type TR Comment Status D Training	C/ 28C SC 28C P 27 L 11 # 6					
"repeat training" capability as presented in	Hajduczenia, Marek Bright House Networks					
http://www.ieee802.org/3/bq/public/jul14/souvignier_3bq_01_0714.pdf was adopted by a motion (in minuites) in	Comment Type T Comment Status D xGBASE-T					
http://www.ieee802.org/3/bq/public/jul14/unconfirmed_minutes_3bq_0714.pdf	It is not clear xGBASE-T is and where it is defined. There are two ways it seems to be defined "multigigabit", "multiple Gigabit", and "xGBASE-T" - which one is to be used?					
So unless there were a committee action to reverse this requirement (the commenter is not	SuggestedRemedy					
aware of such) and in which case, this comment is to be withdrawn by the commenter, this ability needs to be defined.	If we want to use "xGBASE-T" in the document, it should be defined in Clause 1 as follows: "xGBASE-T: designates jointly 1000BASE-T, 10GBASE-T, and 40GBASE-T"					
SuggestedRemedy	Proposed Response Response Status W					
Please do so (add a 40GBASE-T repeat-train ability).	PROPOSED ACCEPT.					
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Comment was implemented to the extent described in July minutes - motion was not to adopt	add new definition to 1.4 defining xGBASE-T as "BASE-T Ethernet PCS/PMA/PMDs at speeds in excess of 1000Mbps, including 10GBASE-T (Clause 55), and 40GBASE-T (Clause 113)"					
repeat training capability, but to modify the strawman in the text. This was later updated during Task Force Review, and the same commenter concurred PTS was broken and a supported text changes. See comment 156 on D1.1.1: http://www.ieee802.org/3/bq/comments/p802.3bq_d1.1.1_approved_responses_CommentID.pd f Task Force to consider with comments 93 & 107	Change references to xGBASE-T Technology Message Code to be "xGBASE-T and 1000BASE-T Technology Message Code"					
Task Force to consider with comments 35 & 107						

Topic xGBASE-T

C/ 113 SC 113.6.2		L 38	# 273	C/ 28C	SC 28C.11	P 27	L 11	# 309	
lidaka, Yasuo		atories of		Hidaka, Ya		Fujitsu Labor	atories of		
,			xGBASE-T	Comment		Comment Status D		xGBASE-1	
						reviation of xGBASE-T, bec d it is not clear which xGBA			
I think it is safe to cons abbreviation.	sider for each description for ea	ch technology rat	her than just using	l think abbrev		er for each description for e	ach technology ra	ather than just using	
						e an abbrevation to represer he abstraction rather than ju			
SuggestedRemedy				Suggested	Remedy				
Change "xGBASE-T"	on line 13 thru 15 with "40GBA	SE-T/10GBASE-	T/1000BASE-T".	Chang	e "xGBASE-T" on	line 11, page 27 with "40GE	BASE-T/10GBAS	E-T/1000BASE-T".	
Proposed Response	Response Status W			Chang	a "VGBASE-T" on	line 16, page 27 with "40GE	BASE T 10GBA	SE-T and 1000BASE-T"	
	T IN PRINCIPLE.			Proposed I		Response Status W			
See comment 6					OSED ACCEPT I	,			
C/ 28C SC 28C.11	P <b>27</b>	L 1116	# 82	-	mment 6				
im, Yong	Broadcom			C/ 55	SC 55.6.2	P 55	L 13	# 324	
omment Type TR	Comment Status D		xGBASE-T	Hidaka, Ya		Fujitsu Labor			
10GBASE-T and 1000 Secondary part of this	OGBASE-T), because it implies comment is 1000BASE-T is no	that all future xxE of noted anywhere	BASE-T would use this. as 1GBASE-T,		t agree to use abb	Comment Status <b>D</b> reviation of xGBASE-T, bec d it is not clear which xGBA			
uggestedRemedy				l think	it is safe to consid	er for each description for e	ach technology ra	other than just using	
	hat is actually being done.			abbrev			aon toonnoiogy it		
Line 11 - 40GBASE-T		-Т.				e an abbrevation to represer he abstraction rather than ju		-	
Proposed Response	Response Status W			Suggested	Remedy		0		
				Chang	e "xGBASE-T" on	line 13 thru 15 with "40GBA	ASE-T/10GBASE	-T/1000BASE-T".	
Hidaka, Yasuo       Fujitsu Laboratories of         Comment Type       T       Comment Status       D       xGBASE-T         I do not agree to use abbreviation of xGBASE-T, because there are many xGBASE-T to be defined in near future, and it is not clear which xGBASE-T will be included.       I think it is safe to consider for each description for each technology rather than just using abbreviation.         If we are motivated to use an abbrevation to represent some common abstraction, we should give a clear definition of the abstraction rather than just using abbreviation.       SuggestedRemedy         Change "xGBASE-T" on line 13 thru 15 with "40GBASE-T/10GBASE-T/1000BASE-T".       Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       See comment 6       See comment 5       See comment 5       See comment 5         Comment Type       TR       Comment Status       D       xGBASE-T, requiring careful changes everywhere appropriate to indicate 1000BASE-T) from 10GBASE-T, because it implies that all future xxBASE-T would use this. Secondary part of this comment is 1000BASE-T is not noted anywhere as 1GBASE-T, requiring careful changes everywhere appropriate to indicate 1000BASE-T === 1GBASE-T.         SuggestedRemedy       Just revise to reflect what is actually being done.       Change to:         Line 11 - 40GBASE-T/10GBASE-T/1000BASE-T       Line 1000BASE-T, and 1000BASE-T.       Line 16 - 40GBASE-T, 10GBASE-T, and 1000BASE-T.	Proposed I	Response	Response Status W						
		9 to be 1000BASE-1 and XGBASE-1		PROPOSED ACCEPT IN PRINCIPLE. Definition of xGBASE-T added to the definition section, to include 40GBASE-T and 10GBASE-T. References on lines 13 thru 15 char "1000BASE-T and xGBASE-T".					
				See co	omments 6, 82, 95	6, 92, 102, 273, 309, 324			
YPE: TR/technical requir	ed ER/editorial required GR/q	eneral required T	/technical E/editorial G/gene	ral		Topic	xGBASE-T	Page 93 of 94	

SORT ORDER: Topic

C/ 113	SC 1	13.6.1.2	P 1	69	L <b>24</b>	#	95	
McClellan	, Brett		Marve	ell				
techn simila "40Gl Next I Suggester page	BASE-T a nology mes ary page 10 BASE-T n Page exch dRemedy 169 line 2	sage Exter 69 line 27 nessage pa nange" 4 change "	Comment Status ASE-T formatted Ex aded Next Page" sc age exchange" shou 10GBASE-T and 1	tended Ne» that it mato uld be "xGB 000BASE- <sup></sup>	ches the cha ASE-T techr	nge made i nology mess	ASE-T n 28C.11 sage Exte	
line 2	7 change		essage Extended N E-T message page ange"		o "xGBASE-	T technolo	gy messa	ge
Proposed	l Respons	е	Response Status	w				
Chan	ge to "xGE tion does	BASE-T an	PRINCIPLE. d 1000BASE-T tec 1000BASE-T (see	comment 6		ded Next p	age" sinc	e new
Grow, Rol	bert		RMG	Consulting				
Comment	t Type	ER	Comment Status	D			xGB	ASE-T
table. There PICS single even the he	e are other where no e letter in the more data eadings.	locations w n-breaking he last line rows below Fhe quick s	rap that is not show where adding speed spaces have not be For example 10G, v solution of increasin ong term purposes.	ds to the name een used re /25G/40G, i	me may beco sulting in a r increases ro	ome a probl name split w w height wo	em like in ith only a uld elimir	the
Suggeste	dRemedy							
Perha	aps somet	hing like x0	6 (as used in other and selective replac			er than a list	of speed	ls.
Proposed	l Respons	е	Response Status	w				
			PRINCIPLE.	er				

Use newly defined term xGBASE-T for header See comment 6 for definition of xGBASE-T. Editor to review tables for spacing and row height issues.

Topic xGBASE-T