Cl <b>24</b> Anslow, Pe	SC 24.4.1.4.3	P <b>49</b> Ciena Corpo	L <b>47</b> ration	# 2	<i>Cl</i> <b>36</b> Healey, A	SC <b>36.2.5.2.</b> dam		P <b>87</b> SI Corporatio	L <b>22</b> on	# 94
On pag 25.4a. )n pag exist ir On pag this is subcla The cla Suggested Correc Chang shown Make s Also cla	Ansiow, Peter       Cleric Comment Status D         On page 49, line 47 (diff document) there is a reference to 25.4a.2 (link does not work) but 25.4a.2 does not exist in the draft.         )n page 50, line 14 there is a reference to 25.4a.1 (link does not work) but 25.4a.1 does not exist in the draft.         On page 53, line 47 is "Insert 25.4a at the end of 25.4 as shown below:". However, below this is subclause 25.5, followed by 25.50.1 etc. with no other editing instructions. These subclause numbers should presumably all be 25.4a.xxx         The clause numbering below this is also wrong. e.g. the PICS for clause 25 is 25.5 not 25.6         SuggestedRemedy         Correct clause numbering currently shown as 25.5 and 25.50 to 25.4a.         Change "Insert 25.4a at the end of 25.4 as shown below:" to "Insert 25.4 a after 25.4 as shown below:"         Make sure links in 24.4.1.4.3 and 24.4.1.5.3 remain correct and work properly. Also correct the clause numbering for the PICS section to 25.5 as per the editing instructions there.         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       W				Comment Type       T       Comment Status       D         The transition from LPI_K back to LP_IDLE_D is inconsistent with the equivalent legacy transition (RX_K to IDLE_D) when xmit != DATA. If xmit != DATA and SUDI([/KD5.6/]+[/D16.2/]), the state diagram would get stuck into the LPI_K state indefinitely. However, this is highly unlikely. What is more likely is that auto-negotiation is restarted while the receiver is detecting LPI. In this case, the state diagram would remain i the LPI_K state during the data code-group reception, and would transition into the RX_INVALID state (via "F") when the next /K28.5/ is received. At worst, this would force ar Auto-Negotiation restart (via RUDI(INVALID)) but this seems like an unneccessary glitch with a straightforward work-around.         SuggestedRemedy         For the transition from LPI_K to LPI_IDLE_D, change the term xmit != DATA ∗ SUDI( "member of set of" [/D/]∗![/D21.5/]∗![/D2.2/])) to xmit != DATA ∗ SUDI( "member of set of" [/D/]∗![/D2.2/]*![D5.6]*![D16.2])). Also remove the term xmit = DATA from the transition from LPI_K to IDLE_D (via "C").					
					Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.					
25.4 a P.56, l	s shown below:" 1, Change Subclaus	25.4a at the end of 25.4 se number 25.5 to 25.4 clause number from 25	a	r:" to "Insert 25.4a after x	For th	e transition from	problems in the c LPI_K to LPI_IDL "member of set of	.E_D, chang	ge the term	]))
P.61, L.1, Change Subclause number 25.6 to 25.5 Change all subsequent Subclause number from 25.6.xx to 25.5.xx P.61, L.12, Change the reference of Subclause number in item LPI from 25.5 to 25.4a		from 25.5 to 25.4a		,	"member of set of terma		)21.5/] * ![/D2.2/	] * ![D5.6] * ![D16.2])).		
					Also r	emove the term	xmit = DATA from	the transition	on from LPI_K t	o IDLE_D (via "C").

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

C/ 36 SC 36.2.5.2.2

C/ 36 SC 36.2.5.2.2	P 88	L <b>48</b>	# 20	C/ <b>45</b>	SC 45.2	.1.76a	P 120	L <b>20</b>	# 99
Healey, Adam	LSI Corporation			Ganga, Ila	ngo		Intel Corporat	ion	
The transition from RX_W	Comment Status <b>D</b> AKE_DONE to LPI_K in the build be UCT (unconditional				ears that the	response	to Comment <i>Status</i> <b>D</b> to Comment #359 has per response to #359	not been fully ir	nplemented. Implement
cause to PCS Receive stat				Suggested	•				
SuggestedRemedy		-	owing char	nges to Clause 45:					
Change the transition conc	lition from SUDI to UCT.			Define	a new regi	ster bit:	•		
Proposed Response F PROPOSED ACCEPT.	Pesponse Status W			during Insert	fast retrain 45.2.1.76a.	2 Fast retra	type : 1 = send IDLE du ain signal type (1.147.1	)	
C/ <b>45</b> SC <b>45.2.1.76a</b> Ganga, Ilango	P120 Intel Corporation	ג <b>19</b> ו	# 95	<ul> <li>For PHYs that support fast retrain, this bit maps to lpi_fr_sigtype as defined in 5</li> <li>When Fast retrain signal type is set to one, the PMA sends IDLE characters on path during fast retrain. When Fast retrain signal type is set to zero, the PMA se fault on the receive path during fast retrain.</li> </ul>					naracters on the receive
Comment Type         TR         Comment Status         D           In order to advertise the fast retrain ability (45.7.10), the management needs to know if the PHY is capable of fast retrain. Also the management may choose not to advertise fast retrain ability, to the link partner, even if the local PHY is fast retrain capable. So define a bit to fast retrain ability bit to fast retrain control/status register. This bit will be set to one for PHYs that implement fast retrain capability.				Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.					
				Accept the proposed response except that the subclause number will be 45.2.1.76a.5 (if comments #95 and #79 are accepted).					
SuggestedRemedy				CI 45	SC 45.2	.1.76a	P120	L <b>50</b>	# 23
Add a bit to 1.147, 10GBA	SE-T fast retrain status & co	ontrol register	, to indicate PHY fast	Barrass, Hugh       Cisco Systems, Inc.         Comment Type       TR       Comment Status       D         The resolution to comment #359 draft 3.0 was missed. This must be implemented to make sense of the changes to Clause 55.       D					
Proposed Response R	Response Status W								
PROPOSED ACCEPT IN I	PRINCIPLE.								
Define a new register bit:				Suggestee	dRemedy				
1.147.3 : Fast retrain ability : 1 = PHY supports fast retrain, 0 = PHY does not support fast retrain : read only Insert 45.2.1.76a.3 Fast retrain ability (1.147.3)				Define a new register bit: 1.147.1 : Fast retrain signal type : 1 = send IDLE during fast retrain, 0 = send local fault during fast retrain Insert 45.2.1.76a.2 Fast retrain signal type (1.147.1)					
				For PHYs that support fast retrain, this bit maps to lpi_fr_sigtype as defined in 55.4.5.1. When Fast retrain signal type is set to one, the PMA sends IDLE characters on the receive					
This bit indicates that the PHY supports fast retrain as defined in 55.4.5.1.		path d	uring fast re	train. Whe	n Fast retrain signal typ ng fast retrain.				
				Proposed Response Response Status W					
				PROPOSED ACCEPT.					
				t the propo ents #95 ar		se except that the subc accepted).	lause number w	vill be 45.2.1.76a.5 (if	

C/ **45** SC **45.2.1.76a** 

Cl 46         SC 46.1.7.3         P 140         L 37         # 96           Ganga, Ilango         Intel Corporation
<ul> <li>Comment Type TR Comment Status D         The spirit of the EEE objectives is not to drop or corrupt frames; however fast retrain mechanism, as defined, has the potential to drop frames. Some of the upper layer protocols expect no packet drop characterestics and certain reliability at link level. Fast retrain condition may cause frame loss up to several ms. So implement a mechanism that has ability to defer frame transmission during fast retrain.     </li> <li>SuggestedRemedy         Set the PLS_CARRIER.inidication primitive when the PMA indicates fr_active (PMA_FR_ACTIVE.indication) to defer transmission during fast retrain. This will ensure no packet drop during fast retrain.     </li> <li>Proposed Response Response Status W         PROPOSED REJECT.     </li> </ul>
The subject of deferral was discussed during the resolution of comment #164 and #361 on draft 3.0. The decision was taken to use Local Fault as the sole means to signal from the PHY to the RS that fast retrain is in progress. The proposed remedy of this comment would add an additional signal to the XGMII to convey the state of the proposed new primitive. See also comment #100, #97, #83
Cl 46       SC 46.1.7.3       P140       L41       # 98         Ganga, Ilango       Intel Corporation         Comment Type       TR       Comment Status D         Assertion of CARRIER_STATUS by the RS should be based upon LPI_REQUEST not LPI_INDICATE. i.e., it is based upon the transmit LPI state, not the receive side. This statement in 46.1.7.3 is inconsistent with the reference state diagram (46-10a) and the description in 78.1.3.1.         SuggestedRemedy         Change LPI_INDICATION to LPI_REQUEST         Proposed Response       Response Status W         PROPOSED ACCEPT.

C/ 46 SC 46.1.7.3

Proposed I	Responses
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C/         46         SC         46.1.7.3         P 140         L 42         # 84           Brown, Matthew         Applied Micro (AMCC)         Applied Micro (AMCC)	C/         46         SC         46.3a.1         P144         L 30         # 93           Brown, Matthew         Applied Micro (AMCC)         Applied Micro (AMCC)         # 93         93				
Comment Type <b>T</b> Comment Status <b>D</b> CARRIER status has values CARRIER_ON and CARRIER_OFF.	Comment Type <b>T</b> Comment Status <b>D</b> While LPI_INDICATION is DEASSERT, all behavior is normal.				
SuggestedRemedy Change "CARRIER_STATUS is set to false" to "CARRIER_STATUS is set to CARRIER_OFF". Proposed Response Response Status W PROPOSED ACCEPT.	SuggestedRemedy Delete "inter-frame". Proposed Response Response Status W PROPOSED REJECT.				
C/         46         SC         46.3.2.4         P 142         L 52         # 16           Turner, Edward J         Gnodal Ltd         <	"normal inter-frame behavior" implies that idles are sent between packets (instead of LPI). <i>Cl</i> <b>46</b> SC <b>46.3a.1</b> <i>P</i> <b>144</b> <i>L</i> <b>37</b> # <u>92</u> Brown, Matthew Applied Micro (AMCC)				
Comment Type T Comment Status D There's no PICS entry for the shall in "The PHY shall restart RX_CLK so that at least one positive transition occurs before it deaserts LPI."	Comment Type <b>T</b> Comment Status <b>D</b> Until 1 second after link_status is OK, effect of primitive is undefined regardless of its value				
SuggestedRemedy Add PICS entry.	SuggestedRemedy Delete "or if LPI_REQUEST=ASSERT".				
Proposed Response Response Status W PROPOSED REJECT.	Proposed Response Response Status W PROPOSED ACCEPT.				
The "shall" at this point refers to the PHY that is attached to this sublayer, therefore the PICS entry would be inappropriate. This is similar to numerous other examples in RS clauses.	C/         46         SC         46.3a.2.2         P 145         L 28         # 85           Brown, Matthew         Applied Micro (AMCC)         4				
C/ 46 SC 46.3a P144 L5 # 91 Brown, Matthew Applied Micro (AMCC)	Comment Type T Comment Status D CARRIER status has values CARRIER_ON and CARRIER_OFF.				
Comment Type E Comment Status D label "PLS_Service Primitives" only applies to primitives starting with PLS.	SuggestedRemedy Change "CARRIER_STATUS = OFF" to "CARRIER_STATUS= CARRIER_OFF".				
SuggestedRemedy Change "PLS_Service Primitives" to "PLS Service Primitives" and move to a location within the set of PLS primitives. Add dashed rectangle around PLS service primitives to differentiate from the LPI client service primitives.	Proposed Response Response Status W PROPOSED ACCEPT.				
Proposed Response Response Status W					

PROPOSED ACCEPT.

C/ 46 SC 46.3a.2.2

Proposed Response	S	IEEE	P802.3az D3.1 Energ	gy Efficient Ethernet comm	nents		D3.1 of 802.3az
C/ 46 SC 46.3a.2.2 Brown, Matthew	P145 Applied Micro	L <b>36</b> (AMCC)	# 86	C/ <b>49</b> SC <b>49</b> Horner, Rita	P <b>178</b> Avago Techno	L blogies	# 89
Comment Type <b>T</b> CARRIER status has va	Comment Status D alues CARRIER_ON and CA	RRIER_OFF.		Comment Type <b>T</b> The exit from TX_QU	Comment Status D ET should be tx_timer_done o	r tx_raw !=LI	
SuggestedRemedy Change "CARRIER_ST	ATUS = ON" to "CARRIER_	STATUS= CAR	RIER_ON".	SuggestedRemedy Remove the requirem	ent of !tq_timer_done on the e	xit from TX_QU	IET
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response PROPOSED ACCEP	Response Status W T IN PRINCIPLE.		
C/ 49 SC 49 Horner, Rita	rner, Rita Avago Technologies				change the transition to: _TYPE(tx_raw) !=Ll		
Comment Type T TX_REFRESH state no SuggestedRemedy	Comment Status D longer exists			C/ <b>49</b> SC <b>49</b> Horner, Rita	P <b>180</b> Avago Techno	L 34 blogies	# 90
revmove the tx_tr_timer Proposed Response	Response Status W			Comment Type <b>T</b> Correct the defination	Comment Status D for rx_fault		
PROPOSED ACCEPT.					nged to "receive fault" as it is	referred to in the	e MDIO definition and in
CI <b>49</b> SC <b>49</b> Horner, Rita Comment Type <b>T</b>	P178 Avago Techno Comment Status D	<i>L</i> ologies	# 88	49.2.14.1. PCS_statu Proposed Response PROPOSED ACCEP	Response Status W		
	d-lock definition if the timer of	expires at the sa	ame time as tx_raw	Cl <b>49</b> SC <b>49.2.13.</b> Anslow, Peter	2.2 P171 Ciena Corpora	L <b>53</b> ation	# 3
SuggestedRemedy Remove the !tx_ts_time	er_done from the state transi	tion TX_SLEEP	to TX_ACTIVE	Comment Type E	Comment Status <b>D</b> says "Insert new variables int		" but the beading
Proposed Response PROPOSED ACCEPT.	Response Status W			beneth this is "49.2.9. SuggestedRemedy	2.2 Variables"	0 49.2.13.2.2,	
				Change clause numb Proposed Response PROPOSED ACCEP	er in heading to 49.2.13.2.2 Response Status W T.		

C/ 49 SC 49.2.13.2.2 Page 5 of 20 7/8/2010 8:30:10 PM

C/ <b>49</b> SC <b>49.2.13.2.</b> Healey, Adam	5 P175 LSI Corporation	L <b>52</b>	# 21	C/ <b>55</b> Ganga, Ilar	SC <b>55</b> ngo	P187 Intel Corpo	L	# 100
	Comment Status <b>D</b> s_timer needs reference the pa replacing Table 49-2) in order t			retrain enable	D3.1, there is . However it is to send Local	Comment Status <b>D</b> an option in the PMA to eith possible for one link partner Fault condition. So the link and this may cause inconsis	to enable IDLE a partners may have	and other link partner ma ve different settings at
microsecond intervals.	f one_us_timer to: "This timer is The timer terminal count is set the one_us_timer_done = TRU <i>Response Status</i> <b>W</b>	to T1U. Whe		fast rei not pro conditi	ossibility is to p train ability, so ovide an optiona on. This will en	rovide a mechanism to adv both link partner can enable al feature, just specify one r sure consistent behavior at Response Status W	e this feature cons nechanism to sig	sistently. Alternatively do nal fast retrain active
C/ <b>51</b> SC <b>51.1</b> Anslow, Peter	P <b>191</b> Ciena Corporatio	L <b>4</b>	# [4	PROPOSED REJECT.				
Comment Type E Comment Status D The editing instruction says "Insert the following row into table 51.7.3:", but table 51.7.3 does not exist. SuggestedRemedy					. It is not clear	des whether it wishes to rea why the system behaviour r er comments addressing X changed by those response	needs to be symm GMII signaling du	netric.
,	wing row into table 51.7.3:" to '	Insert the fol	lowing row at the end of	(see	•			
Proposed Response PROPOSED ACCEPT.	Response Status W			CI <b>55</b> Brown, Ma Comment <sup>-</sup> Figure	Type ER	P191 Applied Mi Comment Status D _ACTIVE primitive is not re	L5 cro (AMCC) equired for EEE n	# 26
				Suggested		angle to include only EEE s	ignals. Employ or	other means to

Re-draw dashed rectangle to include only EEE signals. Employ another means to differentiate FR signals from normal and EEE signals. Add a note to indicate the signals relevant to FR.

Proposed Response Response Status W

PROPOSED ACCEPT.

Proposed Responses	
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C/ 55         SC 55.2.2.10.1         P 193         L 4         # 30           Brown, Matthew         Applied Micro (AMCC)         Image: Comparison of the second sec	C/         55         SC         55.2.2.12         P 193         L 42         # 32           Brown, Matthew         Applied Micro (AMCC)         4
Comment Type E Comment Status D Not clear what rx_lpi_active is.	Comment Type E Comment Status D Not clear what fr_active parameter is.
SuggestedRemedy Change end of sentence to: "change in the rx_lpi_active variable as determined by the receive state diagram in Figure 55-16."	SuggestedRemedy Add sentence "The fr_active parameter reflects the value of the fr_active variable specified in 55.3.5.2.2."
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED REJECT.
C/         55         SC         55.2.2.11         P 201         L 10         # 5           Anslow, Peter         Ciena Corporation         Ciena Corporation         Ciena Corporation         Ciena Corporation	The text states clearly that the variable is set by the PMA PHY control state machine. This change is unnecessary.
Comment Type E Comment Status D There is no editing instruction regarding 55.2.2.11 or 55.2.2.12	C/         55         SC         55.2.2.3.1         P 191         L 51         #         27           Brown, Matthew         Applied Micro (AMCC)         4         27         4
SuggestedRemedy On page 200 change "Insert 55.2.2.9 and 55.2.2.10 after section 55.2.2.8 as shown below:" to "Insert 55.2.2.9, 55.2.2.10, 55.2.2.11 and 55.2.2.12 after section 55.2.2.8 as shown below:" Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	Comment Type       E       Comment Status       D         New sentence is not indicates.       SuggestedRemedy         Add underline to sentence "For EEE, during LPI."         Proposed Response       Response Status       W         PROPOSED ACCEPT.
The change is correct but the page number is 192]           C/ 55         SC 55.2.2.11.1         P 193         L 19         # 31	C/         55         SC         55.2.2.3.1         P 192         L 5         # 28           Brown, Matthew         Applied Micro (AMCC)         4         28         28         100 <td< td=""></td<>
Comment Type E Comment Status D Not clear what pcs_data_mode parameter is.	Comment Type E Comment Status D Clean up list.
SuggestedRemedy Add sentence "The pcs_data_mode parameter reflects the value of the pcs_data_mode variable as specified in 55.3.5.2.2 ." Proposed Response Response Status W	SuggestedRemedy Create list starting each item i and ii on new line. Alternately, but less favored, change "training ii)" "training and ii)". Proposed Response Response Status W
PROPOSED REJECT. The text states clearly that the variable is set by the PMA PHY control state machine. This change is unnecessary.	PROPOSED REJECT. It is not clear that the remedy is an improvement.

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

C/ 55 SC 55.2.2.3.1

C/ 55         SC 55.2.2.9.1         P 192         L 26         # 47           Brown, Matthew         Applied Micro (AMCC)         47	C/         55         SC         55.3.2         P 194         L 26         # 34           Brown, Matthew         Applied Micro (AMCC)         4         34         4
Comment Type <b>TR</b> Comment Status <b>D</b> alert_detect parameter values do not match alert_detect variable.	Comment Type ER Comment Status D Figure 55-5. fr_active parameter is not required for EEE nor for normal operation.
SuggestedRemedy Either change values to match or explain that alert_detect parameter is DETECTED when alert_detect variable is TRUE and NOT_DETECTED with alert_detect variable is FALSE. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change DETECTED to TRUE, change NOT_DETECTED to FALSE in 55.2.2.9.1.	<ul> <li>SuggestedRemedy         <ul> <li>Re-draw dashed rectangle to include only EEE signals. Employ another means to differentiate FR signals from normal and EEE signals. Add a note to indicate the signals relevant to FR.</li> </ul> </li> <li>Proposed Response Response Status W         <ul> <li>PROPOSED ACCEPT.</li> </ul> </li> </ul>
C/         55         SC         55.2.2.9.1         P 192         L 28         # 29           Brown, Matthew         Applied Micro (AMCC)	C/         55         SC         55.3.2.2         P 194         L 42         # 35           Brown, Matthew         Applied Micro (AMCC)         4
Comment Type <b>TR</b> Comment Status <b>D</b> When is alert_detect, set to NOT_DETECTED? Though the event DETECTED is obvious, it is not clear when alert_detect would be set to NOT_DETECTED. In fact, all of the definitions talk about the DETECTED event and the state machine really only requires the DETECTED event. Fixing this is somewhat complicated by the composite nature of the variable definition in 55.3.5.22.	Comment Type       ER       Comment Status       D         Figure 55-15 does not include states for EEE only and Figure 55-15a does not include dashed rectangles.       SuggestedRemedy         Restate as follows: State transitions within dashed rectangles in Figure 55-15 and all states and transitions in Figure 55.15a shall be supported by PHys with the EEE capability. PHYs
SuggestedRemedy Re-define alert_detect to have single value DETECTED sent when alert signal is detected, otherwise parameter value is undefined.	without the EEE capability do not support these transitions.  Proposed Response Response Status W  PROPOSED REJECT.
Proposed Response Response Status W PROPOSED REJECT. There are only two values that alert_detect can be set to. If, as the comment states, it is clear when the first value is used, then it should be equally clear when the second value is	It is not clear what is incorrect in the current labeling. Figure 55-15 notes that transitions inside dashed rectangles are required for EEE operation. Figure 55-15a notes that the entire diagram is required for EEE operation.
used. Whether the second value is not_detected, false, or undefined is moot since it is not used/detected elsewhere.	The suggested remedy does not improve the diagrams.
C/ 55         SC 55.3.2         P 194         L 10         # 33           Brown, Matthew         Applied Micro (AMCC)         Image: Comparison of the second	
Comment Type E Comment Status D Figure 55-5 is part of 55.3.2 and so should be placed appropriately.	
SuggestedRemedy Add heading 55.3.2 after 55.3 and move diagram to occur after 55.3.2.	
Proposed Response Response Status W PROPOSED ACCEPT.	

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

C/ 55 SC 55.3.2.2 Page 8 of 20 7/8/2010 8:30:10 PM

# IEEE P802.3az D3.1 Energy Efficient Ethernet comments

C/ 55 Brown, Matthe	SC 55.3.2.2	P <b>194</b> Applied Micro	L 48	# 36	<i>CI</i> <b>55</b> Ganga, Ila	SC 55.3.2.2.	9 P 195 Intel Corporat	L10	# 97
Comment Typ Be clear a SuggestedRe Change s (pcs_data Proposed Res	be ER about what is r emedy start of sentend a_mode = TRL	Comment Status <b>D</b> neant by "normal mode of op ce to: "After reaching the nor	beration".	peration	Comment As per may b failure Assert or fast delay t contro	<i>Type</i> <b>TR</b> D3.1, either IDI e used to trigger conditions may ing local fault do retrain. Any tim he highavailabil code to indicate	Comment Status <b>D</b> E or Local Fault is generated link failure condition to the h be used to initiate link failove es not unambiguously indica cout mechanisms to delay sig ty/failover features to take eff fr_active (PMA_FR_ACTIVI	d during fast reti igher layers. At r mechanisms f te if the local fa gnaling link failu fect. So it is bes	a system level such link or high availability. ult is due to link failure re to higher layers may it to define a separate
The Claus operation	se 55 base tex . This descript SC <b>55.3.2.2.2</b>	at defines a training mode of ion reuses those terms. 1 P196 Applied Micro	L 30	a normal mode of # <u>37</u>	Suggested 1. Defi sublay charac	Remedy ne a seprate co er). Providing fr teristics. 2. For	I a fast retrain condition. htrol code to indicate fast retr active signal allows systems the PHYs that support fast re ion during fast retrain active	flexibility to imp train, specify ar	lement failover/lossless option to assert
Comment Typ Two varia SuggestedRe Change s asserted	be ER ables cause tra emedy start of sentend ".	Comment Status D ansition to TX_NORMAL stat	e.	_data_mode is not	Proposed PROP PROP This w on ma	Response OSED REJECT as discussed at king this change	Response Status W		
CI 55 Anslow, Peter Comment Typ "7.36us" s	SED ACCEPT. SC 55.3.2.2.2 r pe E should have a	Response Status W 1 P 206 Ciena Corpora Comment Status D space between the number		# 6	C/ <b>55</b> Brown, Ma <i>Comment</i> Senter	SC <b>55.3.2.3</b> tthew <i>Type</i> <b>ER</b> nce almost soun g is indicated by	P 197 Applied Micro Comment Status D ds like LPI is triggered by cor pcs_data_mode.		# 38
it non-bre Proposed Res	emedy 7.36us" to have eaking) and the	e a space between the numb greek letter mu rather than Response Status W		use ctrl space to make	Chang indicat Proposed PROP	e end of senten ed by pcs_data Response OSED REJECT	ce to: "after the PHY has suc mode equals TRUE." <i>Response Status</i> <b>W</b> seem necessary.	cessfully compl	eted training as

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

C/ 55 SC 55.3.2.3

# IEEE P802.3az D3.1 Energy Efficient Ethernet comments

CI 55         SC 55.3.4a.1         P 199         L 27         # 39           Brown, Matthew         Applied Micro (AMCC)         # 39	C/         55         SC         55.3.5.2.2         P 201         L 29         #         42           Brown, Matthew         Applied Micro (AMCC)         #         42				
Comment Type         E         Comment Status         D           Make sure that active is associated with pair, not pair and refresh_active.	Comment Type E Comment Status D LPI is indicated by LPI client and RS not MAC				
SuggestedRemedy Change "active pair" to "active-pair".	SuggestedRemedy Change "MAC indicates" to "LPI client indicates".				
Proposed Response Response Status W PROPOSED REJECT.	Proposed Response Response Status W PROPOSED ACCEPT.				
It's not clear what problem this is fixing.           55         SC 55.3.4a.3         P199         L36         # 40	C/ 55         SC 55.3.5.2.2         P 201         L 34         # 45           Brown, Matthew         Applied Micro (AMCC)         4				
rown, Matthew Applied Micro (AMCC)	Comment Type <b>TR</b> Comment Status <b>D</b> Introduction of pcs_data_mode variable in state diagrams permits us to reduce alert_detect to simply indicated detection of the alert signal.				
Relevant to initial or subsequent normal retrain. <i>uggestedRemedy</i> Change "used for initial training" to "used for normal training". Alternately, "used for init training or normal retraining".	SuggestedRemedy Reduce definition to include only detection of alert signal. ial Proposed Response Response Status W				
Proposed Response Response Status W PROPOSED ACCEPT.	PROPOSED REJECT. The commentor should prepare a more detailed remedy.				
"used for normal training"	C/ 55         SC 55.3.5.2.2         P 201         L 44         # 43           Brown, Matthew         Applied Micro (AMCC)         43				
rown, Matthew Applied Micro (AMCC)	Comment Type E Comment Status D Convention in this Clause is to use receiver not RX.				
Sentence fragement.	SuggestedRemedy Replace "RX" with "receiver".				
SuggestedRemedy Remove fragment or correct.	Proposed Response Response Status W				
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	PROPOSED ACCEPT.				
This should be a subclause title 55.3.5					

C/ 55 SC 55.3.5.2.2

C/ 55         SC 55.3.5.2.2         P 201         L 44         # 46           Brown, Matthew         Applied Micro (AMCC)         Image: Comparison of the second sec	C/ 55         SC 55.3.5.2.2         P 202         L 29         # 49           Brown, Matthew         Applied Micro (AMCC)
Comment Type <b>TR</b> Comment Status <b>D</b> The portion of the definition relating to detection of alert signal is not really clear. It is clear	Comment Type ER Comment Status D
that alert_detect is set TRUE when the alert signal is detected. The definition of the alert detection function on page 216 only specifies when alert_detect is set. It is not clear when (or if) the alert_detect variable is ever set to FALSE. This variable is more of an event, than a state. What is the right unambiguous way to specify this.	Consistent terminology. SuggestedRemedy Change "that have the fast retrain" to "that support the fast retrain". Proposed Response Response Status W
SuggestedRemedy	PROPOSED ACCEPT.
Provide a mechanism or description that explains how the alert_detect variable is set to FALSE after being set TRUE. One way to resolve this is as follows. (a) In Figure 55-16, add "alert_detect = FALSE" in states "RX_INIT" and "RX_W". Define alert_detect as being set to TRUE by ALERT detect process.	C/         55         SC         55.3.5.2.2         P 202         L 32         # 50           Brown, Matthew         Applied Micro (AMCC)         50
Proposed Response Response Status W	Comment Type ER Comment Status D
PROPOSED REJECT.	Given that lpi_fr_sigtype is defined in the previous line to exist only for PHYs that support FR, it is unnecessary and somewhat confusing to qualify the IDLE state with support of far retrain.
See #29. The description is clear.         Cl 55       SC 55.3.5.2.2       P 201       L 49       # 44         Brown, Matthew       Applied Micro (AMCC)       # 44	SuggestedRemedy Change first sentence to: "This variable is set to IDLE if 1.147.1 is set to 1."
Comment Type <b>T</b> Comment Status <b>D</b> Grammar.	Proposed Response Response Status W PROPOSED REJECT.
SuggestedRemedy	This is not necessary.
Replace comma at end of sentence with period.	Cl 55 SC 55.3.5.2.4 P203 L31 # 51
Proposed Response Response Status W PROPOSED ACCEPT.	Brown, Matthew     Applied Micro (AMCC)       Comment Type     E     Comment Status     D
C/ 55 SC 55.3.5.2.2 P202 L2 # 48	Grammar.
Brown, Matthew Applied Micro (AMCC)	SuggestedRemedy
Comment Type E Comment Status D	Change "to the eight types" to "one of the eight types"
For clarity, for a table for various definitions of lpi_tx_mode.	Proposed Response Response Status W PROPOSED REJECT.
Create table for defining lpi_tx_mode. Two columns: value and condition. One row is used for each value.	As stated by the text, a vector may simultaneously belong to C and I, so the proposed remedy is not accurate.
Proposed Response Response Status W PROPOSED REJECT.	
This does not seem neccesary.	
Also the comment is out of scope; this text has not been changed for several drafts.	
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W	G/general

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

/n	C/ 55	Page 11 of 20
	SC 55.3.5.2.4	7/8/2010 8:30:10 PM

# IEEE P802.3az D3.1 Energy Efficient Ethernet comments

C/55         SC 55.3.5.2.4         P 203         L 36           rown, Matthew         Applied Micro (AMCC)	# 52	C/ 55 SC 55.3.5.4 Brown, Matthew	P 206 Applied Micro	L <b>3</b> (AMCC)	# 55
Comment Type E Comment Status D Edit instruction. CuggestedRemedy Add underline to "and /LI/."		Figure 55-14. LFER monitor PCS_Test mode. This const behavior.			
Proposed Response Response Status W		SuggestedRemedy Change open transition to L	FER MT INIT replacing	a "Iblock lock" v	with "Incs data mode"
PROPOSED ACCEPT.			esponse Status W	g .blook_look v	nin .pos_data_mode
C/ 55         SC 55.3.5.2.4         P 204         L 15           rown, Matthew         Applied Micro (AMCC)	# 53	PROPOSED REJECT.		the commentor	gave more details on
Comment Type E Comment Status D		why this change is justified.	cooury. It would help if		gave more details on
Grammar. SuggestedRemedy		<i>CI</i> <b>55</b> SC <b>55.3.5.4</b> Brown, Matthew	P <b>207</b> Applied Micro	L <b>34</b> (AMCC)	# 56
Proposed Response Response Status W PROPOSED REJECT. As stated by the text, a vector may simultaneously belong to C a remedy is not accurate.	and I, so the proposed	Figure 55-15. Transition from SuggestedRemedy Add dashed rectangle arour			EE only.
% 55         SC 55.3.5.4         P 205         L 26           rown, Matthew         Applied Micro (AMCC)	# 54	PROPOSED ACCEPT.	P 209	L <b>3</b>	# 57
Comment Type E Comment Status D		Brown, Matthew	Applied Micro		# 57
No states are unique to EEE. SuggestedRemedy Change "States and transitions" to "transitions". Proposed Response Response Status W PROPOSED ACCEPT.		Figure 55-16. Last term in tr When not in PCS_Data mod lpi_fr_sigtype is not IDLE. SuggestedRemedy Change last term to : "(( !(lp pcs_data_mode"	te send LF either if not i i_fr_sigtype==IDLE) * lp esponse Status W equation is correct.	n fast re-train or i_fr_active) + !lp	if in fast retrain only if i_fr_active) * !

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 55

 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 C/ 55

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 SC 55.3

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 55.3.5.4
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C/ 55 SC 55.3.5.4 Brown, Matthew	P <b>209</b> Applied Micro	L <b>3</b> (AMCC)	# 58	C/ 55 SC 55.4.1 P213 Brown, Matthew Applied Micro	L <b>8</b> (AMCC)	# 61
Comment Type ER Figure 55-16. Last terr clarified by adding bra not required so they ca SuggestedRemedy	Comment Status <b>D</b> m in transition criteria on open ckets around comparison of Ip	transition to Ff bi_fr_sigtype. A	so, outer brackets are	Comment Type ER Comment Status D Figure 55-17. fr_active parameter is not required for SuggestedRemedy Re-draw dashed rectangle to include only EEE signal differentiate FR signals from normal and EEE signal are relevant to FR.	EEE nor for r als. Employ a	nother means to
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed Response Response Status W PROPOSED ACCEPT.		
C/ 55 SC 55.3.5.4 Brown, Matthew	P <b>209</b> Applied Micro	L <b>3</b> (AMCC)	# 59	C/ 55 SC 55.4.2.2 P213 Brown, Matthew Applied Micro	L <b>52</b> (AMCC)	# 62
redundant since it is fuse SuggestedRemedy	Comment Status D block_lock in open transition to urther qualified by pcs_data_m erm from open transition to R) Response Status W	node.		Comment Type E Comment Status D lower power operation is not commonly used term SuggestedRemedy Change "normal and lower power operation" to "norr Proposed Response Response Status W PROPOSED ACCEPT.	mal and LPI o	peration".
Pcs_data_mode does	not exist for legacy 10GBASE	E-T phys, theref	ore it needs to remain.	C/         55         SC         55.4.2.2.1         P 214           Brown, Matthew         Applied Micro	L <b>20</b> (AMCC)	# 63
Cl 55 SC 55.3.6.1 Brown, Matthew	P <b>212</b> Applied Micro	L10 (AMCC)	# 60	Comment Type E Comment Status D LDPC frames not being sent		
Comment Type E Grammar.	Comment Status D			SuggestedRemedy Change "LPDC frames" to "LDPC frame periods".		
SuggestedRemedy Change "indicates tha	t current" to "indicates the cur	rent".		Proposed Response Response Status W PROPOSED ACCEPT.		
Proposed Response PROPOSED ACCEPT	Response Status W					

C/ 55 SC 55.4.2.2.1

Proposed Responses		IEEE	P802.3az D3.1 Energy	Efficient E	thernet comm	ents		D3.1 of 802.3az
C/ 55 SC 55.4.2.2.1 Brown, Matthew	P <b>214</b> Applied Micro (	L <b>25</b> (AMCC)	# 64	C/ <b>55</b> Brown, Ma	SC <b>55.4.2.2.</b> atthew		L 37 d Micro (AMCC)	# 67
Comment Type ER Use normal form for prim	Comment Status D itive/parameter.			<i>Comment</i> Use n	51	Comment Status mitive/parameter.	D	
SuggestedRemedy Change "PMA_CONFIG.	indication parameter config"	to "PMA_CON	FIG.indication(config)".	Suggestee Chang	-	G.indication parameter	er config" to "PMA_0	CONFIG.indication(config)".
Proposed Response PROPOSED ACCEPT.	Response Status W				Response POSED ACCEPT	Response Status	w	
Cl 55 SC 55.4.2.2.1 Brown, Matthew	P <b>215</b> Applied Micro (	L <b>2</b> (AMCC)	# 65	C/ <b>55</b> Brown, Ma	SC <b>55.4.2.2.</b> atthew		15 <i>L</i> 42 ed Micro (AMCC)	# 68
Comment Type ER Use normal form for prim	Comment Status D			<i>Comment</i> Use n	51	Comment Status mitive/parameter.	D	
SuggestedRemedy Change "PMA_CONFIG.	indication parameter config"	to "PMA_CON	FIG.indication(config)".	Suggestee Chang	,	G.indication parameter	er config" to "PMA_(	CONFIG.indication(config)".
Proposed Response PROPOSED ACCEPT.	Response Status W			,	Response POSED ACCEPT	Response Status	w	
C/ 55 SC 55.4.2.2.1 Brown, Matthew	P <b>215</b> Applied Micro (	L <b>22</b> (AMCC)	# 66	C/ <b>55</b> Brown, Ma	SC <b>55.4.2.5</b> .4		16 <i>L</i> 29 ed Micro (AMCC)	# 69
Comment Type ER The wake signal is not pr	Comment Status D	ix or refer to off	icial definition.	<i>Comment</i> Simila	51	Comment Status xist for fast retrain.	D	
SuggestedRemedy Change sentence to: "Th 55.3.2.2.9a."	e alert signal is followied by	a wake signal a	as specified in				etrain, further requi	rements for this transition
Proposed Response PROPOSED REJECT.	Response Status W			,	Response POSED REJECT.	Response Status	w	
	dequate. The reference in th I so would be a poorer choic		medy does not give	The re	equirements for fa	ast retrain do not affe	ct normal training.	

C/ 55 SC 55.4.2.5.14 Page 14 of 20 7/8/2010 8:30:10 PM

Proposed Responses	

C/ 55         SC 55.4.2.5.14         P 216         L 39         # 70           Brown, Matthew         Applied Micro (AMCC)         Image: Comparison of the second se	C/ 55         SC 55.4.2.5.14         P 216         L 49         # 83           Brown, Matthew         Applied Micro (AMCC)
Comment Type       T       Comment Status       D         Similar requirements exist for fast retrain.       SuggestedRemedy         Add sentence, "For PHYs that support fast retrain, further requirements for this transition are described in 55.4.2.5.15."	Comment TypeTRComment StatusDThe is a pile-on comment for Draft 3.0 comment #359. The response to comment #359 addresses incorrectly detecting a failed link by optionally replacing the local fault signal with the idle signal during fast retrain. The reponse did not address loss of data during a fast retrain. To prevent loss of data, a mechansm is required which informs the MAC to defer transmission; while not indicating a link failure, avoiding adverse effects on MAC clients.
Proposed Response       Response Status       W         PROPOSED REJECT.       The requirements for fast retrain do not affect normal training.	SuggestedRemedy Provide a mechanism to signal from the PHY to the RS a temporary interruption during fast retrain. Provide a mechanism in the RS to cause the MAC to defer transmission of packets while fast retrain is active, particular for a MAC which is connected to a PHY through a
C/ 55 SC 55.4.2.5.14 P216 L44 # 71 Brown, Matthew Applied Micro (AMCC) Comment Type T Comment Status D	XAUI interface. To accomplish this create a new character, similar to /LI/, call tentatively /CRS/ (carrier sense). Send /CRS/ continuous to the RX XGMII while fast retrain is active. In the RS, while receiver /CRS/ from the RX XGMII set PLS_CARRIER.indication(CARRIER_STATUS) to CARRIER_ON.
Can also go to the LPI transmit mode. SuggestedRemedy Add the following " and to the LPI transmit mode under control of the local LPI client.".	Proposed Response Response Status W PROPOSED REJECT. For discussion by the task force.
Proposed Response Response Status W PROPOSED ACCEPT.	See also #100. This is out of scope for clause 55.
	C/         55         SC         55.4.2.5.15         P 216         L 53         # 72           Brown, Matthew         Applied Micro (AMCC)         4         72         1
	Comment Type E Comment Status D Grammar.
	SuggestedRemedy Change "THP turn" to "THP turns".
	Proposed Response Response Status W PROPOSED ACCEPT.

C/ 55 SC 55.4.2.5.15

# IEEE P802.3az D3.1 Energy Efficient Ethernet comments

C/ 55         SC 55.4.2.5.15         P 217         L 6         # 73           Brown, Matthew         Applied Micro (AMCC)         Fractional Action of the second sec	C/         55         SC         55.4.5.1         P 218         L 33         #         76           Brown, Matthew         Applied Micro (AMCC)         Applied Micro (A	
Comment Type ER Comment Status D Reference to incorrect figure.	Comment Type E Comment Status D Use superscript for exponential terms.	
SuggestedRemedy Change 55-13a to 55-13.	SuggestedRemedy For 2^9 and 2^4, use superscript for 9 and 4, respectively.	
roposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.	
St         SC 55.4.2.5.15         P 217         L 7         # 74           rown, Matthew         Applied Micro (AMCC)         #	C/ 55         SC 55.4.5.1         P 218         L 34         # 17           Turner, Edward J         Gnodal Ltd         Gnodal Ltd         # 17	
Comment Type TR Comment Status D Relevant to initial or subsequent normal retrain.	Comment Type E Comment Status D Use '2 superscript 9' rather than '2^9'. Also apply to '2^5' and '2^6' and '2^4' on line 38.	
uggestedRemedy Change "used for initial training" to "used for normal training". Alternately, "used for initial training or normal retraining".	SuggestedRemedy As per comment.	
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.	
"used for normal training"         7       55       SC 55.4.2.6a       P 217       L 38       # 75	C/         55         SC         55.4.5.1         P 218         L 37         # 77           Brown, Matthew         Applied Micro (AMCC)         Image: Comparison of the second	
rown, Matthew Applied Micro (AMCC)	Comment Type E Comment Status D Use superscript for exponential terms.	
lower power mode is not commonly used term	SuggestedRemedy For 2^6 and 2^4, use superscript for 6 and 4, respectively.	
uggestedRemedy Change "lower power receive mode" to "LPI receiver mode".	Proposed Response Response Status W	
roposed Response	PROPOSED ACCEPT. C/ 55 SC 55.4.5.1 P219 L18 # 80	
Change "lower power receive mode" to "LPI receive mode".	Brown, Matthew Applied Micro (AMCC)	
	Comment Type ER Comment Status D Common terminology.	
	SuggestedRemedy Change "low power receive mode" to "LPI mode".	
	Proposed Response Response Status W PROPOSED ACCEPT.	
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial C COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W		16 of

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line Cl 55 SC 55.4.5.1 7/8/2010 8:30:10 PM

# IEEE P802.3az D3.1 Energy Efficient Ethernet comments

C/ 55 SC 55.4.5.1 Anslow, Peter	P 231 Ciena Corpora	L <b>41</b> ation	# 7	C/         70         SC         70.2.1         P 231         L 48         # 18           Turner, Edward J         Gnodal Ltd         Gnodal Ltd <td< th=""></td<>
Comment Type E 2^9, 2^5 and 2^6, 2^4 o transition_count parage SuggestedRemedy change to using supers Proposed Response	Comment Status <b>D</b> on line 45 aren't in the same t aph above.		rs of two in the	Comment Type       E       Comment Status       D         Too much deletion has led to ' may go into w power mode'         SuggestedRemedy         Change to ' may go into low power mode'         Proposed Response       Response Status       W
PROPOSED ACCEPT C/ 55 SC 55.4.6.1	P <b>220</b>	L33	# 82	PROPOSED ACCEPT. C/ 71 SC 71.3 P259 L44 # 8 Anslow, Peter Ciena Corporation
SuggestedRemedy Define fr_max_wait_tin Proposed Response PROPOSED REJECT.	Response Status W			Comment Type       E       Comment Status       D         On page 259 line 44 diff document (or page 237 line 37 in clean document) we have "PCS requirements for Auto-Negotiation (AN) service interface" clause 71.7 or 71.3 in the two docs respectively, but there are no editing instructions for clause 71.3         Also, the numbering above this in the diff document is 71.6 instead of 71.2. However the clen version is ok.         SuggestedRemedy         Either make changes to 71.3 "PCS requirements for Auto-Negotiation (AN) service interface" or remove this text.         Proposed Response       Response Status       W
Link_fail_sig_timer is d	1 0			PROPOSED ACCEPT IN PRINCIPLE.
SuggestedRemedy Define fr_max_wait_tin Proposed Response PROPOSED REJECT.	Response Status W	L 33 (AMCC)	# <u>81</u>	Will delete section 71.3         Cl 72       SC 72.6.4       P 266       L 12       # 9         Anslow, Peter       Ciena Corporation       # 9         Comment Type E Comment Status D         The editing instruction says "Change the text in the 1st paragraph of section 72.6.4 to read a follows:" butb there are 4 paragraps of changed text.         SuggestedRemedy         Change editing instruction to "Change 72.6.4 as follows:"         Proposed Response Response Status W         PROPOSED ACCEPT.       W

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

CI **72** SC **72.6.4** 

# IEEE P802.3az D3.1 Energy Efficient Ethernet comments

Submitted on behalf of lain Robertson mention of common mode requirements. It should atjuulate the amount by which the common mode requirements. It should situlate the amount by which the common mode requirements. It should situlate the amount by which the common mode requirements. It should situlate the amount by which the common mode requirements. It should situlate the amount by which the common mode variage deviate from the non-LPI value.       802.3ba changed the title of 10GBASE-R PHYs' to "sublayer for BASE-R PHYs"         Varia JE, Hie common mode variage deviation (max) during LPI: TBDmV" Need discussion on the TBD value. For reference, PCI-E speces this as 100mV.       PCOPSED ACCEPT.       Ci 74       SC 74.1       PZT2       L5       # 11         Need to supply TBD mV. To be voted on by Task Force.       Viria SC 74       PZT2       L1       # 10         Nament Type       Comment Status D       D       The editing instruction block diagram for 10GBASE-R PHYs"       Suggested/Remedy         Nament Type       Comment Status D       D       The editing instruction to "In 74.4.1 as modified by IEEE Std 802.3ba, replace Figur 74.4.1.0 "Functional block diagram for 10GBASE-R PHYs" and the title of 74.1.1.0 "Functional block diagram for 10GBASE-R PHYs"       Suggested/Remedy         Viria A SC 74.10.2.3       PZ78       L27       # 14         Now, Peter       Ciena Corporation       Ciena Corporation         Viria A SC 74.10.2.3       PZ78       L27       # 14         Nomment Typo       E       Comment Status D	C/ 72 SC 72.7.1.4 Bennett, Michael	P <b>244</b> Lawrence Be	L <b>31</b> rkeley Na	# 19	<i>Cl</i> <b>74</b> Anslow, F	SC 74.11 Peter	Р <b>279</b> Ciena Corp	L 1 oration	# 15
International control       Proposed Response       Response Status       W         PROPOSED ACCEPT.       Clena Corporation       Comment Status D         Togested Response       Response Status W       Procescol Response Status W         PROPOSED ACCEPT.       Clena Corporation       Comment Status D         The editing instruction to "In 74.4.1 as modified by IEEE Std 802.3ba, replace Figure 74-2 as shown below: "but only one of the title of 74.1.1 change "sublayer for 10GBASE-R PHYs" to "sublayer for BASE-R         Wird       SC 74.4       P272       L1       # [10]         nslow, Peter       Clena Corporation       Comment Status D       The editing instruction to "In 74.4.1 as modified by IEEE Std 802.3ba, replace Figure 74-2 to "Functional block diagram for 10GBASE-R PHYs"         Now between       Sc 74.10.23       P278       L27       # [14]         Now, Peter       Clena Corporation       Clena Corporation       Clena Corporation         PROPOSED ACCEPT.       Clena Corporation       Clena Corporation       Clena Corporation         PROPOSED ACCEPT.       Clena Corporation       Clena Corporation       Clena Corporation         PROPOSED ACCEPT.       Clena Corporation       Clena Corporation       Clena Corporation         Store the wormodified functions in normal fort.       Type E       Comment Status D       The colling instruction is "Change 74.10.2.3	Submitted on behalf of la	ain Robertson	ments during LF	PI but makes no	802.3	Bba changed the t			
UggestedRemedy Add a sentence, blus a spec in table 72-6. Suggested wording: "During LPI, the common mode shall be maintained to within +/- TBDmV of the pre-LPI value"       Proposed Response Status W PROPOSED ACCEPT.         'Common mode voltage deviation (max) during LPI: TBDmV'' Need discussion on the TBD value. For reference, PCLE specs this as 100mV.       Proposed Response Status SW PROPOSED ACCEPT.       P272       L5       # 11         'Proposed Response       Response Status W       P272       L5       # 11         'N TA       SC 74       P272       L1       # 10         'nslow, Peter       Ciena Corporation       SougestedRemedy         'Change the title of T4 to "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of T4.1.10 "Functional block diagram for 10GBASE-R PHYs"       SuggestedRemedy         'N'TA       SC 74.10.2.3       P278       L27       # 14         'Domment Type E       Comment Status D       Proposed Response       Response Status W         'PROPOSED ACCEPT.''       'Y'A       SC 74.10.2.3       P278       L27       # 14         'Status Response       Response Status W       PCOSED ACCEPT.''         'Y'A       SC 74.10.2.3       P278       L27       # 14         'Status Response       Comment Status D       Comment Status D         'Response Status W       PCOPOSED ACCEPT.''       SuggestedReme	mention of common mod	le requirements. It should s			In the	e title of 74.11 cha	nge "sublayer for 10GBAS	E-R PHYs" to "su	blayer for BASE-R
And a set lefter, but a spect if table 7-6:       "Common mode voltage deviation (max) during LP: TBDmV"         Suggested spec in table 7-6:       "Common mode voltage deviation (max) during LP: TBDmV"         Need discussion on the TBD value. For reference, PCI-E specs this as 100mV.       "Common Type E       Comment Type E       Comment Tstatus D         Need to supply TBD mV. To be volted on by Task Force.       # 10       The editing instruction asys "Change Flagure 74-2 as shown below using the title of Figure 20.3ba is now approved. Also, 802.3ba changed the title of Figure 20.3ba C2.3cb achanged the title of Figure 20.3ba changed the title of T4.4.1 as modified by IEEE Std 802.3ba, replace Figur 74-2 as shown below." Show the title of rause 74 and also the title of 74.4.1 as modified by IEEE Std 802.3ba, replace Figur 74-2 as shown below." Show the title of rause 74 and also the title of 74.4.1 as modified by IEEE Std 802.3ba, replace Figur 74-2 to "Functional block diagram for 10GBASE-R PHYs"         Suggested/Remedy       Change the title of 74.4.1 as modified by IEEE Std 802.3ba, replace Figur 74-2 to "Functional block diagram for 10GBASE-R PHYs"         Suggested/Remedy       Change the title of 74.4.1 as modified by IEEE Std 802.3ba, replace Figur 74-2 to "Functional block diagram for 10GBASE-R PHYs"         Nonower Response Response Status W       PROPOSED ACCEPT.         PROPOSED ACCEPT.       Cira & C 74.5.1         Proposed Response       Response Status W         PROPOSED ACCEPT.       Cira & C 74.5.1         Proposed Response       Response Status W <td< td=""><td>SuggestedRemedy</td><td></td><td></td><td></td><td></td><td></td><td>Deserves Status M</td><td></td><td></td></td<>	SuggestedRemedy						Deserves Status M		
Suggested spec in table 7-6:       "Common doe voltage deviation (max) during LPI: TBDmV"         Need discussion on the TBD value. For reference, PCI-E specs this as 100mV.       PROPOSED ACCEPT IN PRINCIPLE.         Need to supply TBD mV. To be voled on by Task Force.       The editing instruction says "Change Figure 74-2 as shown below using the title of Figure 74-2 as shown below." Also, 602.3ba changed the title of Figure 74-2 as shown below. Suggested Rearrow J.         Need to supply TBD mV. To be voled on by Task Force.       The editing instruction says "Change Figure 74-2 as shown below using the title of Figure 74-2 as shown below." Also, 602.3ba changed the title of Figure 74-2 as shown below. Suggested Rearrow J.         Nomment Type E       Comment Status D         802.3ba changed the title of 74.4.1 or "Functional block diagram for 100BASE-R PHYs"         PROPOSED ACCEPT.         V174 SC 74.10.2.3       P278 L27 # 14         PROPOSED ACCEPT.         V174 SC 74.10.2.3       P278 L27 # 14         PROPOSED ACCEPT.         V174 SC 74.10.2.3       P278 L27 # 14         Proposed Response       Ceange Corporation         Vormment Type E       Comment Status D         PROPOSED ACCEPT.       Cif 4 SC 74.5.1       P276 L18 # 12         V174 SC 74.10.2.3       P278 L27 # 14       Ta         V174 SC 74.10.2.3       P278 L27 # 14       Ta         V174 SC 74.10.2.3 as shown below: but only one of the thre	"During LPI, the commor			DmV of the pre-LPI	•	•	,		
Need discussion on the TBD value. For reference, PCI-E specs this as 100mV.         Proposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.         Need to supply TBD mV. To be voted on by Task Force.         21 74       SC 74         22 3ba changed the title of clause 74 and also the title of 74.4.1         Proposed Response       Response Status W         PROPOSED ACCEPT.       Comment Status D         802.3ba changed the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.0 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.10 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.10 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.10 "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of Figure 2.1.10.2.3 as shown below: "Now number of the three figure 2.1.10.2.3 as shown below:" but only one of the three functions i		7-6:			CI 74	SC 74.4.1	P <b>272</b>	L <b>5</b>	# 11
roposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.         Need to supply TBD mV. To be voted on by Task Force.         174       SC 74         Part Ciena Corporation         formment Type E       Comment Status D         802.3ba changed the title of clause 74 and also the title of 74.4.1         uggestedRemedy         Change the title of clause 74 and also the title of T4.4.1         uggestedRemedy         Change the title of 74.4.1.to "Functional block diagram for 10GBASE-R PHYs" and the title of 74.4.1.to "Functional block diagram for 10GBASE-R PHYs" and the title of 74.4.1.to "Functional block diagram for 10GBASE-R PHYs"         roposed Response       Response Status W         PROPOSED ACCEPT.       PCT         174       SC 74.10.2.3       P278       L27         174       SC 74.10.2.3       P278       L27       # 14         Inclouing instruction is "Change 74.10.2.3 as shown below:" but only one of the three functions is shown.       L27       # 14         Inductions is shown.       SuggestedRemedy       Show the two unmodified functions in normal font.       Stopposed Response       Response Status W         PROPOSED ACCEPT.       Find       Find       Find       Show the two unmodified functions in normal font.         roposed Response       Response Status W       PROPOSED AC				as 100mV.	Anslow, F	Peter	Ciena Corp	oration	
PROPOSED ACCEPT IN PRINCIPLE.         Need to supply TBD mV. To be voted on by Task Force.         174       SC 74       P272       L1       # 10         nslow, Peter       Ciena Corporation       # 10         602.3ba changed the title of clause 74 and also the title of 74.4.1       urgestedRemedy         Change the title of 74 to "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.to "Functional block diagram for 10GBASE-R PHYs"       PROPOSED ACCEPT.         174       SC 74.102.3       P278       L27       # 14         175       Sc 74.102.3       P278       L27       # 14         175       Sc 74.102.3       P278       L27       # 14         176       Sc 74.102.3       P278       L27       # 14         177       Sc 74.102.3       P278       L27       # 14         178       Sc 74.102.3       Sc 74.102.3       Sc 74.102.3       Sc 74.51       P276       L18       # 12         174       Sc 74.102.3       Sc 74.102.3       Sc 74.51       S		,			Comment	t Type E	Comment Status D		
Need to supply TBD mV. To be voted on by Task Force.         Virt A       SC 74       P272       L1       Image of the supply TBD mV. To be voted on by Task Force.         Virt A       SC 74       P272       L1       Image of the supply TBD mV. To be voted on by Task Force.         Virt A       SC 74       P272       L1       Image of the supply TBD mV. To be voted on by Task Force.         Virt Bo model (1)       Ciena Corporation       Ciena Corporation       Change of thigh instruction to "In 74.4.1 as modified by IEEE Std 802.3ba, replace Figur 74-2 as shown below:" Also, change the title of Figure 74-2 to "Functional block diagram for 10GBASE-R PHYs"         BoggestedRemedy       Proposed Response       Response Status W       PROPOSED ACCEPT.         Virt A       SC 74.10.2.3       P278       L27       Image feat the dift of supported thas been added, but is not shown in underline font. Also, the font size (9 pt) is wrong.         SuggestedRemedy       Stown Peter       Ciena Corporation       SuggestedRemedy         Show the two unmodified functions in normal font.       Proposed Response       Response Status W       Proposed Response Status W         PROPOSED REJECT.       PROPOSED ACCEPT.       Proposed Response       Response Status W       Proposed Response Status W	PROPOSED ACCEPT IN	N PRINCIPLE.			802.3	3ba D2.3:", but 80	2.3ba is now approved. Als	o, 802.3ba chang	using the title from ed the title of Figure 74
If TA       SC 74       P272       L1       # 10         Inslow, Peter       Ciena Corporation       TA       # 10         formment Type       E       Comment Status       D         802.3ba changed the title of clause 74 and also the title of 74.4.1       BogestedRemedy       Change the title of 74 to "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.to "Functional block diagram for 10GBASE-R PHYs"       Proposed Response       Response Status       W         PROPOSED ACCEPT.       If 4       SC 74.10.2.3       P278       L27       # 14         isolw, Peter       Ciena Corporation       Ciena Corporation       Comment Status       D         roment Type       E       Comment Status       D       The text starting "If the optional Energy Efficient Ethernet (EEE) capability is supported has been added, but is not shown in underline font. Also, the font size (9 pt) is wrong.         SuggestedRemedy       Show the inserted text in underline and the correct size.         Proposed Response       Response Status       W         PROPOSED ACCEPT.       Proposed Response       Response Status         trunctions is shown.       D       The text starting "If the optional Energy Efficient Ethernet (EEE) capability is supported has been added, but is not shown in underline font. Also, the font size (9 pt) is wrong.         suggestedRemedy       Show the inserted tex	Need to supply TBD mV.	To be voted on by Task F	-orce.		Suggeste	dRemedy	-		
formment Type       E       Comment Status       D         802.3ba changed the title of clause 74 and also the title of 74.4.1       uggestedRemedy         Change the title of 74 to "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and the title of 74.4.1.to "Functional block diagram for 10GBASE-R PHYs" and the title of 74.4.1.to "Functional block diagram for 10GBASE-R PHYs"         roposed Response       Response Status       W         PROPOSED ACCEPT.       Ciena Corporation         If 74       SC 74.10.2.3       P278       L27       # 14         nslow, Peter       Ciena Corporation       Comment Status       D         omment Type       E       Comment Status       D         The editing instruction is "Change 74.10.2.3 as shown below:" but only one of the three functions is shown.       but only one of the three functions is normal font.       Verposed Response       Response Status       W         PROPOSED ACCEPT.       Verposed Response       Response Status       W       PROPOSED ACCEPT.       Comment Status       D         The editing instruction is "Change 74.10.2.3 as shown below:" but only one of the three functions is normal font.       Verposed Response       Response Status       W         PROPOSED REJECT.       Show the two unmodified functions in normal font.       Verposed Response       Response Status       W         PROPOSED REJECT.       V				# 10	Chan 742	ge editing instruction as shown below:	Also, change the title of F		
Change the title of 74 to "Forward Error Correction (FEC) sublayer for BASE-R PHYs" and         the title of 74.4.1.to "Functional block diagram for 10GBASE-R PHYs"         proposed Response       Response Status W         PROPOSED ACCEPT.         C/ 74       SC 74.10.2.3         P278       L27         14         inslow, Peter       Ciena Corporation         comment Type       E         Comment Status D         The editing instruction is "Change 74.10.2.3 as shown below:" but only one of the three functions is shown.         suggestedRemedy         Show the two unmodified functions in normal font.         proposed Response       Response Status W         PROPOSED REJECT.			title of 74.4.1		Proposed	l Response	Response Status W		
Proposed Response       Response Status       W         PROPOSED ACCEPT.       P278       L27       # 14         of 74       SC 74.10.2.3       P 278       L 27       # 14         nslow, Peter       Ciena Corporation       Comment Type       E       Comment Status       D         The editing instruction is "Change 74.10.2.3 as shown below:" but only one of the three functions is shown.       Show the two unmodified functions in normal font.       Show the two unmodified functions in normal font.         Proposed Response       Response Status       W         PROPOSED REJECT.       PROPOSED REJECT.       W	Change the title of 74 to				C/ 74	SC 74.5.1	P <b>276</b>		# 12
If 74       SC 74.10.2.3       P278       L27       # 14         Inslow, Peter       Ciena Corporation       Image: Comment Status D       Show the inserted text in underline and the correct size.       Show the inserted text in underline and the correct size.         uggestedRemedy       Show the two unmodified functions in normal font.       Image: Corporation       Image: Comment Status W       Image: Comment Status K       Image: Comm	roposed Response	•						oration	
174       SC 74.10.2.3       P278       L27       # 14         inslow, Peter       Ciena Corporation       SuggestedRemedy         comment Type       E       Comment Status       D         The editing instruction is "Change 74.10.2.3 as shown below:" but only one of the three functions is shown.       Proposed Response       Response Status       W         uggestedRemedy       Show the two unmodified functions in normal font.       PROPOSED REJECT.       PROPOSED REJECT.       PROPOSED REJECT.	PROPOSED ACCEPT.				The t	ext starting "If the	optional Energy Efficient E	thernet (EEE) ca	pability is supported"
Show if etch       Comment Status D         The editing instruction is "Change 74.10.2.3 as shown below:" but only one of the three functions is shown.       Show the inserted text in underline and the correct size.         uggestedRemedy       Show the two unmodified functions in normal font.       PROPOSED REJECT.				# 14			not shown in underline for	nt. Also, the font s	ize (9 pt) is wrong.
The editing instruction is "Change 74.10.2.3 as shown below:" but only one of the three functions is shown. UggestedRemedy Show the two unmodified functions in normal font. Proposed Response Response Status W PROPOSED REJECT.			allon			-	in underline and the correc	t size.	
Proposed Response Response Status W PROPOSED REJECT.	The editing instruction is		wn below:" but o	nly one of the three	•	•	•		
Show the two unmodified functions in normal font. roposed Response Response Status W PROPOSED REJECT.					PRO	POSED ACCEPT			
PROPOSED REJECT.	,	functions in normal font.							
Several versions back the decision was to show only the changes.	Proposed Response PROPOSED REJECT.	Response Status W							
	Several versions back th	e decision was to show onl	y the changes.						
YPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general			, ,						

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

C/ **74** SC **74.5.1**  Page 18 of 20 7/8/2010 8:30:11 PM

C/ 74 SC 74.5.1.4 Anslow, Peter	P 276 L 2 Ciena Corporation	2 # 13	C/ 78 SC 78.1.3.2 Brown, Matthew	P <b>256</b> Applied Micro	L <b>8</b> (AMCC)	# 101
of the text should be sh SuggestedRemedy	Comment Status <b>D</b> rough 74.5.1.7 have been added with nown in underline font. However some from subclauses 74.5.1.4 through 74.9 <i>Response Status</i> <b>W</b>	is and some isn't underlined.	Use primitive/parameter nam SuggestedRemedy Change "the LPI_INDICATIC of the LPI Client service inter	ON parameter to ASSER		
<i>Cl</i> <b>74</b> <i>SC</i> <b>74.7.4.8</b> Healey, Adam	P277 L4 LSI Corporation	7 # 22	C/ 78 SC 78.1.4 Brown, Matthew	P <b>257</b> Applied Micro	L 26 (AMCC)	# 103
microseconds have pa after detecting two scra SuggestedRemedy Change the first senter start a hold-off timer wi	nce to: "When rx_lpi_active is TRUE a nose duration is greater than or equal le item b (page 278, line 7) to: "Expira <i>Response Status</i> <b>W</b>	would set signal_ok to TRUE nd rx_mode is set to DATA, to 13.7 microseconds and	Table 78-1. All relevant claus 25 should be listed. <i>SuggestedRemedy</i> For 100BASE-TX list 24 and 48. For 10GBASE-KR list 72	25. For 1000BASE-KX	1 2	
C/ 78 SC 78.1.3.2 Brown, Matthew	P 256 L 1: Applied Micro (AMCC)	2 # 102				
Comment Type E Use primitive/paramete	Comment Status D er name.					
	CATION parameter is set to DE-ASSE et service interface" to "LP_IDLE.indi					
Proposed Response	Response Status W					

PROPOSED ACCEPT.

C/ 78 SC 78.1.4

27.78       SC 78.3       P23       L50       # 25       C/79       SC 78.3       P21       L28       # 24         Irrown, Matthew       Applied Micro (AMCC)       Gisco Systems, Inc.       Gisco Systems, Inc.       Gisco Systems, Inc.         Orment Type       TR       Comment Yath Wass not implemented.       Upplicated Parendy       Gisco Systems, Inc.         SiggestedRemady       Implement Totat 3.0 Comment #174.       Type E       Comment Yath Wass not implemented.       Upplicated Parendy         PROPOSED CACCEPT.       Response Status W       Proposed Response Response Status W       Proposed Response Response Status W         PROPOSED ACCEPT IN PRINCIPLE.       Change the satisfishment process, both link partners indicate their EEE capabilities.       Proposed Response Response Status W         C178       SC RS.3       P270       L6       #	Proposed Responses		P802.3az D3.1 Energy		ninents	D3.1 01 802.3a
Comment Type TR Comment Status D Draft 3.0 Comment #174 was not implemented. WegestedRemony Implement Draft 3.0 Comment #174. ProPOSED ACCEFT. Response TResponse Status W PROPOSED ACCEFT. Response to Comment #174 on D3.0 is shown below: ACCEPT IN PRINCIPLE. Change the paragraph starting on line 47 of 78.3 to read: "During the link establishment process, both link partners indicate their EEE capabilities. EEE is supported only if during auto-negotiation both the local davice and ink partner advertise the EEE capability for the resolved PHY type. If EEE is not supported, all EEE functionality is disabled and the LPI client shall not assert LPI." All EEE PHY clauses need to add a reference to 78.3 where EEE support is first mentioned. Type S C 78.6.3 P270 L6 Proceed Comment and hash, Wale Broadcom Corporation The status D Broadcom Corporation The status D Broadcom Corporation During the link the timing, where is against the appropriate clauses with the normative tex for each PHY. Note that in some cases this does exist like in C40 so its worthwhile to corresponding ball from 78.3 • An appropriate clauses like 262, 280, 73A, 24, 40, 55, 73 and/or other appropriate clauses. • In 73 point to the appropriate clauses from the step above • Check that this in ord consister for mere is a PICs in 78.3 • An appropriate clauses like 262, 280, 73A, 24, 40, 55, 73 and/or other appropriate clauses. • In 73 point to the appropriate clauses from the step above • Check that to is in ord on Status D M PROPOSED ACCEPT IN PRINCIPLE.			# 25			# 24
Implement Draft 3.0 Comment #174.       Implement Draft 3.0 Comment #174.         Proposed Response       Response Status W         PROPOSED ACCEPT.       Response to Comment #174 on D3.0 is shown below:         ACCEPT IN PRINCIPLE.       Change the paragraph starting on line 47 of 78.3 to read:         "During the link establishment process, both link partners indicate their EEE capabilities.       Response Capability for the resolved PHY type. If EEE is not supported, all EEE functionality is disabled and the LP1 client shall not assert LP1.         All EEE PHY clauses need to add a reference to 78.3 where EEE support is first mentioned.       Image: Transmit Type TR Comment Status D         When we structured the PICs on the last draft we did that after closing the comment on having a PICs for AN. There needs to be a PICs in 78.3 and propriate clauses like 280, 280, 73A, 24, 40, 55, 73 and/or other appropriate clauses like 280, 280, 73A, 24, 40, 55, 73 and/or other appropriate clauses like 280, 280, 73A, 24, 40, 55, 73 and/or other appropriate clauses fixe corresponding appropriate clauses like 280, 280, 73A, 24, 40, 55, 73 and/or other appropriate clauses like 280, 280, 73A, 24, 40, 55, 73 and/or other as a PICs in 78.3 and 40 - ANT6 - that would after 1000BASE-T for instance. Should really be in one place)         "PROPOSED ACCEPT IN PRINCIPLE.	mment Type TR Comment Status	D		Comment Type E	Comment Status D	
PROPOSED ACCEPT.       PROPOSED ACCEPT.         Response to Comment #174 on D3.0 is shown below:       ACCEPT IN PRINCPLE.         Change the paragraph starting on line 47 of 78.3 to read:       "During the link establishment process, both link partners indicate their EEE capabilities.         'EET is supported only if during auto-negoliation both the local device and link partner advertise the EEE capability for the resolved PHY type. If EEE is not supported, all EEE functionality is disabled and the LPI client shall not assert LPI."         All EEE PHY clauses need to add a reference to 78.3 where EEE support is first mentioned.         W178       SC 78.6.3       P270       L6         Broadcom Corporation       Broadcom Corporation         When we structured the PICs on the last draft we did that after closing the comment on having a PICs for AN. There needs to be a PICs for AN, however, it should match the way we did the other requirements like timing, where it is against the appropriate clauses with the appropriate clauses with the appropriate clauses file does exist like in C40 so its worthwhile text for each PHY. Note that in some cases this does exist like in C40 so its worthwhile text around the PICs to noty reflect DLL requirements.         • Adjust the tar around the PICs to noty reflect DLL requirements.         • Anowe the corresponding shall from 78.3         • In approproate clauses like 2002, 202, 73A, 24, 40, 55, 73 and/or other appropriate clauses.         • In As point to the appropriate clauses. From instance. Should really be in one place)         PrococsED ACCEPT IN PRINCIPLE.				,		
ACCEPT IN PRINCIPLE. Change the paragraph starting on line 47 of 78.3 to read: "During the link establishment process, both link partners indicate their EEE capabilities. EEE is supported only if during auto-negotiation both the local device and link partners advertise the EEE capability for the resolved PHY type. If EEE is not supported, all EEE functionality is disabled and the LPI client shall not assert LPI." All EEE PHY clauses need to add a reference to 78.3 where EEE support is first mentioned. 7/78 SC 78.6.3 P270 L6 # [	, ,	w			'	
"During the link establishment process, both link partners indicate their EEE capabilities.         EEE lis supported only if during auto-negoliation both the local device and link partner advertise the EEE capability for the resolved PHY type. If EEE is not supported, all EEE functionality is disabled and the LPI client shall not assert LPI."         All EEE PHY clauses need to add a reference to 78.3 where EEE support is first mentioned.         27.78       SC 78.6.3       P270       L6       #         Diab, Wael       Broadcom Corporation         Comment Type       TR       Comment Status D         When we structured the PICs on the last draft we did that after closing the comment on having a PICs for AN. There needs to be a PICs for AN, however, it should match the way we did the other requirements like timing, where it is against the appropriate cluases with the normative text for each PHY. Note that in some cases this does exist like in C40 so its worthwhile to make it consistant throughout.         SuggestedRemedy       .         • Remove the PICs entry for AN from C78         • Adjust the text around the PICs to nyl reflect DLL requirements         • An appropriate clauses file 28C, 28D, 73A, 24, 40, 55, 73 and/or other appropriate clauses.         • In 78.3 point to the appropriate clauses from the step above         • Check that this is not consistant for all PHY types (e.g. right now there is a PICs in 78.3 and 40 - AN45 - that would affect 1000BASE-T for instance. Should really be in one place)         PROPOSED ACCEPT IN PRINCIPLE.		vn below:				
EEE is supported only if during auto-negotiation both the local device and link partner advertise the EEE capability for the resolved PHY Yupe. If EEE is not supported, all EEE functionality is disabled and the LPI client shall not assert LPI.*         All EEE PHY clauses need to add a reference to 78.3 where EEE support is first mentioned.         2/78       SC 78.6.3       P270       L6       #         biab, Wael       Broadcom Corporation         Comment Type       TR       Comment Status       D         When we structured the PICs on the last draft we did that after closing the comment on having a PICs for AN. There needs to be a PICs for AN, however, it should match the way we did the other requirements like timing, where it is against the appropriate cluases with the normative text for access this idoes exist like in C40 so its worthwhile to make it consistant throughout.         SuggestedRemedy       Remove the PICs to noll reflect DLL requirements         - happropriate clauses like 28C, 28D, 73A, 24, 40, 55, 73 and/or other appropriate clauses in a ANI's to any consistant for all PHY types (e.g. right now there is a PICs in 78.3 and 40 - ANI's - that would affect 1000BASE-T for instance. Should really be in one place)         Proposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.	Change the paragraph starting on line 47 of 7	78.3 to read:				
Comment Type TR Comment Status D When we structured the PICs on the last draft we did that after closing the comment on having a PICs for AN. There needs to be a PICs for AN, however, it should match the way we did the other requirements like timing, where it is against the appropriate cluases with the normative text for each PHY. Note that in some cases this does exist like in C40 so its worthwhile to make it consistant throughout. SuggestedRemedy Remove the PICs entry for AN from C78 Adjust the text around the PICs to only reflect DLL requirements Remove the corresponding shall from 78.3 In approproate clauses like 28C, 28D, 73A, 24, 40, 55, 73 and/or other appropriate clauses. In 78.3 point to the appropriate clauses from the step above Check that this is not consistant for all PHY types (e.g. right now there is a PICs in 78.3 and 40 - AN15 - that would affect 1000BASE-T for instance. Should really be in one place) PROPOSED ACCEPT IN PRINCIPLE.	EEE is supported only if during auto-negotiat advertise the EEE capability for the resolved functionality is disabled and the LPI client shi All EEE PHY clauses need to add a reference 78 SC 78.6.3 P27	ion both the local device PHY type. If EEE is not all not assert LPI." e to 78.3 where EEE su 0 L6	e and link partner supported, all EEE pport is first mentioned.			
<ul> <li>Remove the PICs entry for AN from C78 <ul> <li>Adjust the text around the PICs to only reflect DLL requirements</li> <li>Remove the corresponding shall from 78.3</li> <li>In approproate clauses like 28C, 28D, 73A, 24, 40, 55, 73 and/or other appropriate clauses.</li> <li>In 78.3 point to the appropriate clauses from the step above</li> <li>Check that this is not consistant for all PHY types (e.g. right now there is a PICs in 78.3 and 40 - AN15 - that would affect 1000BASE-T for instance. Should really be in one place)</li> </ul> </li> <li>Proposed Response Response Status W</li> <li>PROPOSED ACCEPT IN PRINCIPLE.</li> </ul>	mment Type <b>TR</b> Comment Status When we structured the PICs on the last drat having a PICs for AN. There needs to be a P we did the other requirements like timing, wh the normative text for each PHY. Note that in	D ft we did that after closin ICs for AN, however, it ere it is against the app	should match the way ropriate cluases with			
PROPOSED ACCEPT IN PRINCIPLE.	<ul> <li>Remove the PICs entry for AN from C78</li> <li>Adjust the text around the PICs to only refle</li> <li>Remove the corresponding shall from 78.3</li> <li>In approproate clauses like 28C, 28D, 73A, clauses.</li> <li>In 78.3 point to the appropriate clauses from</li> <li>Check that this is not consistant for all PHY</li> </ul>	24, 40, 55, 73 and/or of n the step above types (e.g. right now th	ere is a PICs in 78.3			
Specific changes in 28C, 28D, 73A, 24, 40, 55, 73 and/or other appropriate clauses.	, ,	w				
	Specific changes in 28C, 28D, 73A, 24, 40, 5	5, 73 and/or other appr	opriate clauses.			

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

C/ 79 SC 79.3.a