C/ <b>30</b> SC <b>30.5.1</b> Hajduczenia, Marek	.1.4 P 23 Bright House	L 46	# i-1		C/ <b>45</b> Marris, Art	SC 45.2	.1	P <b>24</b> Cadence Des	L 10	# i-3	
Comment Type E Enumeration values maps to the enumer SuggestedRemedy Change	Comment Status <b>D</b> are typically presented in "" and	l not in ". For ex		EZ	Comment Table Suggested Insert Response	<i>Type</i> <b>TF</b> 45-3 needs <i>Remedy</i> row for Reg	to include ister 1.18 <i>Re</i>	control Contro		/"	
of	he enumeration 'not available'.					esponse to c	-	#i-8.			
of	link_status of OK maps to the e he enumeration "not available". <i>Response Status</i> <b>W</b> PT.	numeration "ava	ilable". All other state	es	Suggested	<i>Type</i> <b>T</b> is no need the <i>T</i> IRemedy	C to say MII	P 28 Cadence Des Comment Status A is optional 100 Mb/s systems."	L <b>35</b> ign Syst	# [i-4	
C/ 96 SC 96.1.1 Hajduczenia, Marek	.2 P 30 Bright House	L <b>36</b> Network	# i-2		Response ACCE	PT IN PRIN		esponse Status C			
Comment Type E Stray underline under SuggestedRemedy Remove the said un	Comment Status R er the word "management" in lin iderline	e 36			to	is optional fo		/s systems" /II is optional"			
Response REJECT.	Response Status C										
The "underline" the on the line below.	commentor refers to is actually a	a repeating symb	ool to the 66.666 MB	d							

C/ 96 SC 96.1	P 28	L 40	# i-5	C/ 45		45.2.1	P 24 Ciona Corporati	L <b>3</b>	# i-7
Marris, Arthur Comment Type <b>T</b>	Cadence Desi	gn Syst		Anslow, Pe		Е	Ciena Corporati Comment Status D	on	E
Reword the following: "This clause defines the 10 Sublayer and type Physica sublayers comprise the 10	00BASE-T1 PHY type, ope I Medium Attachment sub	layer. Together,		For the of eac Frame	e existin h level o Maker t	g clauses down to th emplate)	s that are being modified by the ne heading for the text being mo		ent, we show one heading
The RS is included in the P	Physical layer (but not the	PHY)>		Suggested Add th		•	5.2, 45.2.3, and 45.2.3.1		
SuggestedRemedy Change: "This clause defines the 10 Sublayer and type Physica				Proposed PROP		se ACCEPT.	Response Status W		
sublayers comprise the 10 To: "This clause defines the Pe	0BASE-T1 Physical layer.	"		Cl <b>45</b> Anslow, Pe		45.2.1	P <b>24</b> Ciena Corporati	L <b>5</b> on	# <u>i-8</u>
Response F ACCEPT.	Response Status C			the ch	ter 1.18 ange fro	om the ba	Comment Status A allocated in 45.2.1.14b. This n se standard where this register		
Cl 01 SC 1.5 Anslow, Peter Comment Type ER The abbreviations "RBW" abbreviations list). In this c abbreviation where it is use SuggestedRemedy Remove the abbreviations In 96.5.4.4, change: " should be RBW=10 kH. " should be resolution ba	ase, we do not include the ed instead. "RBW" and "VBW" from 1 z, VBW=30 kHz," to:	nce in the draft ( abbreviation in .5.	1.5 but expand the	Suggested Insert in IEE Make "Repla (uncha Add a make 1.17 1.18	Remed a chang E Std 80 the editi ace the i anged ro new Ta 45.2.1.1	ge to Tabl D2.3bj-20 ing instru- reserved bws not s ble 45-3 4b a cros	e 45-3 above the existing chan 14. ction: row for 1.17 through 1.29 in Tai hown):" with three rows plus headings ( ss-reference): Reserved BASE-T1 PMA/PMD extended a	ble 45-3 v no underli	vith the following three rows
Response F ACCEPT.	Response Status W			ACCE					

C/45         SC 45.2.1.131         P 26         L 30         # [i-9]           Anslow, Peter         Ciena Corporation	C/         45         SC         45.2.1.131.2         P 26         L 52         # i-11           Anslow, Peter         Ciena Corporation
Comment Type TR Comment Status D	Comment Type T Comment Status D
In Table 45-98a, the Description for bit 1.2100.15 is "Value always 1, writes ignored" and the R/W column has "R/W". If writes are ignored, then the bit is not R/W. Note - There are no table entries in Clause 45 which say "writes ignored" where the R/W column contains "R/W"	The first sentence of 45.2.1.131.2 is: "Bit 1.2100.14 is used to select MASTER or SLAVE operation if MASTER-SLAVE manual config enable bit 1.2100.15 is set to one." This doesn't make sense because bit 1.2100.15 is always one.
	SuggestedRemedy
SuggestedRemedy	Delete "if MASTER-SLAVE manual config enable bit 1.2100.15 is set to one".
Either remove ", writes ignored" from the description or change to "RO"	Proposed Response Response Status W
Proposed Response Response Status W	PROPOSED ACCEPT IN PRINCIPLE.
PROPOSED ACCEPT IN PRINCIPLE.	See response to comment #i-9. This register is now ready-only.
Bit 1.2100.15 should be changed to "RO". ", writes ignored" should be deleted.	
2/ 45 SC 45.2.1.131.1 P 26 L 47 # i-10	
Inslow, Peter Ciena Corporation	
Comment Type E Comment Status D	
The first sentence of 45.2.1.131.1 is: "Bit 1.2100.15 returns a one to indicate that MASTER or SLAVE configuration is set manually." The second sentence starts "In that case," which doesn't make sense because the bit is	
always a 1.	
always a 1. SuggestedRemedy	

CI 22	SC 22.1	P 22	L <b>1</b>	# i-12
Grow. Ro	bert	Self Employed		

Comment Type GR Comment Status A

\*\*\* Comment submitted with the file 85554200003-Clause 22 changes.docx attached \*\*\*

The project needs changes to Clause 22 to be compatible with the base document. This is highlighted on P802.3/D3.0, page 45, line 40.

The statement that the MII is for PHYs of 10 Mb/s and above is clearly wrong. The MII is only specified for 10 Mb/s and 100 Mb/s, and the MII management interface is also only applicable to some of the 1000 Mb/s PHYs that have been specified. P802.3bw does not propose use of either the MII management interface nor the MII register set.

Examples of problematic text (P802.3/D3.0):

22.1.1, c) -- P802.3bw does not use these signals, only the MII data paths, so the management interface needs to be optional to claim use of the MII.

22.1.2 -- This subclause describes exposed interfaces, not a logical interface, where components are separable (e.g., use data paths but not management interface, electrical specifications do not apply to a logical interface.)

22.1.5 -- "to determine PHY capabilities for any supported speed of operation". This is not true for many Ethernet PHYs. Since P802.3bw is 100 Mb/s PHYs and it does not use MII capabilities for management, it has the greatest burden to make sure Clause 22 is corrected.

22.2.4, 3rd para. -- "All PHYs that provide an MII shall incorporate the basic register set. All PHYs that provide a GMII shall incorporate an extended basic register set consisting of the Control register (Register 0), Status register (Register 1), and Extended Status register (Register 15). The status and control functions defined here are considered basic and fundamental to 100 Mb/s and 1000 Mb/s PHYs. Registers 2 through 14 are part of the extended register set." P802.3bw is, I believe, the first 100 Mb/s PHY for which this is not true, so it has to be fixed.

22.8.3.5, MF45 and MF 59 -- "all PHYs". Not true of a P802.3bw PHY.

#### SuggestedRemedy

The attached file proposes changes to Clauses 22 to fix the text. A more comprehensive comment has been submitted on P802.3 (to also fix for Gigabit). If accepted, the PICS for Clause 22 will also need to be revised to provide optionality similar to that in Clause 35. The P802.3bw TF should take the lead in correction of the PICS whether the changes are done in P802 or P802.3bw.

Response

Response Status W

ACCEPT IN PRINCIPLE.

This topic is being considered in P802.3bx under comment #i-89.

Cl 45 Scantambu	SC <b>45.2.1.132</b> Irlo, Nicola		<b>7</b> va Tech	L <b>23</b>	# [i-13
Comment <sup>-</sup> Typo ir	<i>Type</i> <b>G</b> n register number	Comment Status	D		EZ
Suggested Writter	2	.12:0, should be 1.2	102.12:0		
Proposed I PROP	Response OSED ACCEPT.	Response Status	w		
C/ 00	SC O	Р		L	# i-14
Carlson, St	teven	Marve	ell Semicondu	cto	
Comment	Type <b>TR</b>	Comment Status	Α		

The draft doe not align with its objectives.

Support 100 Mb/s operation in automotive environments (e.g. EMC, temperature) over a single balanced twisted pair.

Do not preclude the ability to survive automotive fault conditions (e.g. shorts, over voltage, EMC,

ISO16750).

No reference is made to temperature or ISO16750 in the draft. There is some material on overvoltage, but it is not referenced to ISO16750.

### SuggestedRemedy

Incorporate Clause 97.10 Environmental Specifications in P802.3bp D1.4. This will supply all the relevant references, and will align 100BASE-T1 and 1000BASE-T1.

Response Response Status C

ACCEPT IN PRINCIPLE.

P802.3bp 1000BASE-T1 has suggested the text from Clause 97.10 should be used in Clause 96. The text from 97.10 will be copied into a new subclause in 96 and "1000BASE-T1" will be changed to "100BASE-T1".

Additionally add necessary normative references that are referenced in the added text.

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

Comment ID i-14

Page 4 of 19 5/20/2015 8:23:17 PM

The draft is not aligned with the project objectives. Support fast-startup operation using predetermined configurations which enables the time from power_on2 = FALSE to a state capable of transmitting and receiving valid data to be less than 100 ms. Support optional operation with run-time configuration, that specifies a maximum allowable time from power_on2 = FALSE to a state capable of transmitting and receiving valid data. There is no mention of the 100 msec. start-up requirement in the draft and no value is given for the "maximum allowable time." If a maximum allowable tim must be stated, incorporated into the PICs, and a test method developed. SuggestedRemedy Create a new subclause (not sure where) "Start-up Time", and provide the necessary information. Response Response Status C ACCEPT IN PRINCIPLE. Add the following to the end of 96.4.5 paragraph: "In all cases, the time from power_on = FALSE transitioning to power_on = TRUE, to link_status=OK shall be less than 100 ms." PICS needs to be updated accordingly. C/ 01 SC 1.3 P18 L14 # info Turner, Michelle Comment Type GR Comment Status A FICS needs to be updated accordingly. C/ 01 SC 1.3 P18 L14 # info C/ 196 SC 96.3.1 P53 L1 # j19 Wu, Peter Marvell Semiconducto	C/ 00     SC 0     P     L     # [i-15]       Carlson, Steven     Marvell Semiconducto	C/         96         SC         96.3.2.1.1         P 39         L 47         # [i-17           Zhang, Jin         Marvell Semiconducto
Support fast-starup operation using predetermined configurations which enables the time from power_on 2 = FALSE to a state capable of transmitting and receiving valid data to be least than 100 ms.       error. Table contradicts the definition of TX_ER, where 1 means error, 0 means no error.         Support optional operation with run-time configuration, that specifies a maximum allowable time from power_on 2 = FALSE to a state capable of transmitting and receiving valid data.       Response Status C         There is no mention of the 100 msc. start-up requirement in the draft and no value is given for the maximum allowable time is an objective, their it must be stated, incorporated into the PICs, and a test method developed.       See response to comment #i-18.         Suggested/Remedy       Create a new subclause (not sure where) "Start-up Time", and provide the necessary information.       PICS 96.3.2.11       P33       L48       # [+18]         Wu, Peter       Marvell Semiconducto         Comment Type       GR       Comment Tstus A         File       File       Marvell Semiconducto       Comment Type       G       Comment Type       GR       Comment Type	Comment Type TR Comment Status A	51
from power_on2 = FALSE to a state capable of transmitting and receiving valid data to be       SuggestedRemedy         SuggestedRemedy       C         Response       Response Status       C         ACCEPT IN PRINCIPLE.       C         Response       Response Status       C         PICS needs to be updated accordingly.       C       ACCEPT IN PRINCIPLE.         CI 96       SC 1.3       P18       L14       Image state an environed with commenter's whole paragraph suggested/ runsmission.         PICS needs to be updated accordingly.       C)       96       SC 96.3.1       P33       L14       Image state an environed with commenter's whole paragraph suggeston.         PICS needs to be updated accordingly.       C)       Segonse       Response Status       C         CI 96       SC 96.3.1       P33       L14       Image state intervironed with commenter's whole paragraph suggeston.         PICS needs to be updated accordingly.       C)       Segonse       Response Status       C         CI 96       SC 96.3.1       P33       L1       Image state intervironed with commenter's whole paragraph suggeston.         PICS needs to be updated accordingly.       C)       Segonse       Response Status       C         Ci 96       SC 96.3.1       P53       L1       Image state in provison	The draft is not aligned with the project objectives.	
Support optional operation with run-time configuration, that specifies a maximum allowable time from power, on 2 = FALSE to a state capable of transmitting and receiving valid data.       ACCEPT IN PRINCIPLE.         Support optional operation with run-time configuration, that specifies a maximum allowable given for the "maximum allowable time." If a maximum allowable time is an objective, then it must be stated, incorporated into the PICs, and a test method developed.       See response to comment #i-18.         Support optional operation with run-time configuration.       Page SC 96.3.2.11       P 39       L 48       # [-18]         Support optional operation with run-time configuration.       Comment Status A       Comment Status A       FALSE and TRUE descriptions are inverted.         Suggested/Remedy       Comment Status A       Comment Status A       FALSE is a terrore option and option all operation with run-time containing to power_on = TRUE, to link_status=OK shall be less than 100 ms."       P 18       L 14       # [-16]         Cl of SC 13       P 18       L 14       # [-16]       On Page 39, line 48, replace the paragraph with commenter's whole paragraph suggestion.         Turer, Michelle       Comment Type       G Comment Status D       Comment Status D       Comment Status D         Suggested/Remedy       Case this option added for the implementation of the standard, it shouldn't be in the normative reference clause.       P 53       L 1       # [-19]         Suggested/Remedy       Suggested/Remedy	from power_on2 = FALSE to a state capable of transmitting and receiving valid data to be	
Index to the "maximum allowable time if up inquintum in wallow able time is an objective, then it must be stated, incorporated into the PICS, and a test method developed.       Imaximum allowable time is an objective, then it must be stated, incorporated into the PICS, and a test method developed.         uggestedRemedy       Create a new subclause (not sure where) "Start-up Time", and provide the necessary information.       Imaximum allowable time."       Imaximum allowa		
it must be stated, incorporated into the PICs, and a test method developed.       Cl 96 SC 96.3.2.11       P 39 L48 # [18]         uggestedRemedy       Create a new subclause (not sure where) "Start-up Time", and provide the necessary information.       Wu, Peter       Marvell Semiconducto         Comment Type       GR Comment Status C       SuggestedRemedy       C         Add the following to the end of 96.4.5 paragraph:       In all cases, the time from power_on = FALSE, transitioning to power_on = TRUE, to link_status=OK shall be less than 100 ms."       PICS needs to be updated accordingly.       The U		See response to comment #i-18.
Suggested/Remedy         Create a new subclause (not sure where) "Start-up Time", and provide the necessary information.         Create ane w subclause (not sure where) "Start-up Time", and provide the necessary information.         Cessponse       Response Status C         ACCEPT IN PRINCIPLE:       Add the following to the end of 96.4.5 paragraph:         ''n all cases, the time from power_on = FALSE, transitioning to power_on = TRUE, to link_status=OK shall be less than 100 ms."       FICS needs to be updated accordingly.         Coll SC 1.3       P18       L14       Imagested in the PCS at transmission enabling transmission.         CI ON SC 1.3       P18       L14       Imagested in the PCS at transmission.         Viruer, Michelle       Comment Status A       Comment Status C         Comment Type GR       Comment status A       Imagested Remedy         IEC CISPR 25 Edition 3.0 is cited in the normative reference clause, however it is not cited in text. To the edded for the implementation of the standard, it shouldn't be in the normative reference clause.       Non Page 39, line 48, replace the paragraph with commenter's whole paragraph suggestion.         Cl 96       SC 96.3.3.1       P53       L1       # 19         Wu, Peter       Marvell Semiconducto       Comment Type G       Comment Status D       The Figure 96-10 as not aligned well, some of the first line letters are not fully shown         SuggestedRemedy       Re-align the figure <td>it must be stated, incorporated into the PICs, and a test method developed.</td> <td></td>	it must be stated, incorporated into the PICs, and a test method developed.	
ACCEPT IN PRINCIPLE. Add the following to the end of 96.4.5 paragraph: "In all cases, the time from power_on = FALSE, transitioning to power_on = TRUE, to link_status=OK shall be less than 100 ms." PICS needs to be updated accordingly. / 01 SC 1.3 P18 L14 # 16 omment Type GR Comment Status A IEC CISPR 25 Edition 3.0 is cited in the normative reference clause, however it is not cited in text. Does this document appear in previous amendments or in the base? If not please cite in text. If it's not needed for the implementation of the standard, it shouldn't be in the normative reference clause. uggestedRemedy Response Status W ACCEPT IN PRINCIPLE. See response to comment #i-14. Adding the text from 97.10 references IEC CISPR 25.	Create a new subclause (not sure where) "Start-up Time", and provide the necessary	
ACCEPT IN PRINCIPLE.         Add the following to the end of 96.4.5 paragraph:         "In all cases, the time from power_on = FALSE, transitioning to power_on = TRUE, to link_status=OK shall be less than 100 ms."         PICS needs to be updated accordingly.         / 01       SC 1.3       P 18       L 14       # [16]         omment Type       GR       Comment Status       ACCEPT.         On Page 39, line 48, replace the paragraph with commenter's whole paragraph suggestion.         Ci 96       SC 96.3.3.1       P 53       L 1       # [i-19]         Wu, Peter       Marvell Semiconducto         Comment Status       D       E         uggestedRemedy       Response Status       W         Response       Response Status       W         Recept IN PRINCIPLE.       See response to comment #i-14. Adding the text from 97.10 references IEC CISPR 25.       For posed Response Status       W	esponse Response Status C	SuggestedRemedy
PICS needs to be updated accordingly.         / 01 SC 1.3       P18 L14 # i_16         urmer, Michelle       On Page 39, line 48, replace the paragraph with commenter's whole paragraph suggestion.         ormment Type GR Comment Status A       IEC CISPR 25 Edition 3.0 is cited in the normative reference clause, however it is not cited in text. Does this document appear in previous amendments or in the base? If not please cite in text. If it's not needed for the implementation of the standard, it shouldn't be in the normative reference clause.       On Page 39, line 48, replace the paragraph with commenter's whole paragraph suggestion.         uggestedRemedy       Cl 96 SC 96.3.3.1 P53 L1 # i_19         uggestedRemedy       Besponse Status W         ACCEPT IN PRINCIPLE.       Response Status from 97.10 references IEC CISPR 25.	Add the following to the end of 96.4.5 paragraph: "In all cases, the time from power_on = FALSE, transitioning to power_on = TRUE, to	state diagram as specified in Figure 96-5. When this variable is set to FALSE it indicates a non-errored transmission, when set to TRUE it indicates an errored transmission.
ummer, Michelle         comment Type       GR       Comment Status A         IEC CISPR 25 Edition 3.0 is cited in the normative reference clause, however it is not cited in text. Does this document appear in previous amendments or in the base? If not please cite in text. If it's not needed for the implementation of the standard, it shouldn't be in the normative reference clause.       C/ 96       SC 96.3.3.1       P 53       L 1       # i-19         Wu, Peter       Marvell Semiconducto         Comment Type       G       Comment Status D       E         uggestedRemedy       The Figure 96-10a is not aligned well, some of the first line letters are not fully shown       SuggestedRemedy         Response       Response Status       W         ACCEPT IN PRINCIPLE.       See response to comment #i-14. Adding the text from 97.10 references IEC CISPR 25.       EC CISPR 25.	PICS needs to be updated accordingly.	
comment Type       GR       Comment Status       A         lEC CISPR 25 Edition 3.0 is cited in the normative reference clause, however it is not cited in text. If it's not needed for the implementation of the standard, it shouldn't be in the normative reference clause.       Marvell Semiconducto         uggestedRemedy       G       Comment Status       D       E         response       Response Status       W       Realign the figure       Proposed Response Status       W         ACCEPT IN PRINCIPLE.       See response to comment #i-14. Adding the text from 97.10 references IEC CISPR 25.       FC ISPR 25.       Gaiter to increase the vertical size to anchor frame containing the figure.		On Page 39, line 48, replace the paragraph with commenter's whole paragraph suggestion.
in text. Does this document appear in previous amendments or in the base? If not please cite in text. If it's not needed for the implementation of the standard, it shouldn't be in the normative reference clause. uggestedRemedy kesponse Response Status W ACCEPT IN PRINCIPLE. See response to comment #i-14. Adding the text from 97.10 references IEC CISPR 25.	comment Type GR Comment Status A	
uggestedRemedy       SuggestedRemedy         vesponse       Response Status       W         ACCEPT IN PRINCIPLE.       Proposed Response       Response Status       W         See response to comment #i-14. Adding the text from 97.10 references IEC CISPR 25.       Editor to increase the vertical size to anchor frame containing the figure.	in text. Does this document appear in previous amendments or in the base? If not please cite in text. If it's not needed for the implementation of the standard, it shouldn't be in the	
esponse Response Status W PROPOSED ACCEPT. ACCEPT IN PRINCIPLE. See response to comment #i-14. Adding the text from 97.10 references IEC CISPR 25.		
See response to comment #i-14. Adding the text from 97.10 references IEC CISPR 25.		
Change "CISPR 25" in 96.5.1 to "IEC CISPR 25".		Editor to increase the vertical size to anchor frame containing the figure.
	Change "CISPR 25" in 96.5.1 to "IEC CISPR 25".	

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

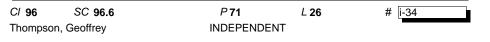
aw, David       Hewlett-Packard Ltd       E         Comment Type       TR       Comment Status A       E         Comment Type       TR       Comment Status A       E         December Type       TR       Comment Status A       E         Subclause 96.1.2 The definition of the notation, service and time specification should be placed under their own subclause heading. In addition for what assigning a liner with the viate of the definition of the notation, service and time specification of were assisted on this there is no definition of the manner description of were assisted on this there is no definition of the manner description of were assisted assisted on the status viates that value definitions of variables, constaints, and inductions Should there be a discompany between a status diagram and descriptive text, the state diagram prevails.       E         [2] Renumber, reorder and rename existing subclause 96.1.2.1 Votation to be 96.1.2.1 State diagram timer specification: to be 96.1.2.2 State Diagram Nations.       W         [3] Renumber, reorder and rename existing subclause 96.1.1 Timer specification to be 96.1.2.2 State Diagram Timer specification: to be 96.1.2.1 State Diagram Timer specification.       P         [4] Renumber, reorder and rename existing subclause 96.1.1 Timer specification to be 96.1.2.1 State Diagram Timer specification.       P         [5] Renumber, reorder and rename existing subclause 96.1.3 The specification to be 96.1.2.1 State Diagram Timer specification.       P         [6] Renumber, reorder and rename existing subclause 96.1.3 Timer specification to be 96.1.2.1 State diagram timer		P 31 L	L 1	# i-20	C/ 96 S	C 96.3.3.1	Р	52	L <b>7</b>	# i-22	
The definition of the notation, service and times specification should be placed under their own subclause beading in addition there is no statement that the state diagrams takes precedence over text. SuggestedRemedy [1] Add a new subclause 96.1.2 stollows: 96.1.2 Conventions in this clause. The body of this clause contains state diagrams, including definitions of variables, constants, and functions. Should there be a discrepancy between a state diagram and descriptive in Ads. 25 L as defined by 40.4.5.2. through its reference to 14.2.3.2, the variable rev_max_timer_done. Further, the orz. max timer = 0 in the state 'JABIDLE'. SuggestedRemedy [2] Renumber and rename existing subclause 96.1.3 'Service specification' to be 96.1.2.1 'State Diagram Notation'. [3] Renumber, reorder and rename existing subclause 96.1.3 'Service specification' to be 96.1.2.2 'State Diagram Inter specification'. [4] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be 96.1.2.2 'State Diagram Notation'. [5] Renumber, reorder and rename existing subclause 96.1.3 'Service specification' to be 96.1.2.2 'State Diagram Inter specification'. [4] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be 96.1.2.2 'State Diagram Timer specification'. [4] Renumber, reorder and rename existing subclause 96.1.3 'Service specification' to be 96.1.2.2 'State Diagram Timer specification'. [4] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be 96.1.2.1 'State diagram variable' here and elsewhere in the draft. Response Response Status C ACCEPT. [7] <b>96</b> SC <b>96.3.3.1</b> P <b>52</b> L <b>36</b> # $[-21]$ Law, David Hewlett-Packard Ltd Comment Type <b>E</b> Comment Status <b>A</b> Please formate variable definitions as found in subclause 40.4.5.1 'State diagram variable' here and elsewhere in the draft. Response Response Status <b>C</b> ACCEPT. [7] <b>96</b> SC <b>96.3.1 P52</b> L <b>20</b> # $[-24]$ Law, David Hewlett-Packard Ltd Comment Type <b>E</b> Comment Status <b>D</b> E Please formate	aw, David	Hewlett-Packard Ltd	l		Law, David		Hev	lett-Packard	Ltd		
own subclause heading. In addition there is no statement that the state diagrams takes precedence over text.         SuggestedRemedy         [1] Add a new subclause 96.1.2 as follows:         96.1.2 Conventions in this clause.         The body of this clause contains state diagrams, including definitions of variables, constants, and functions. Should there be a discrepancy between a state diagram and descriptive text, the state diagram prevails.         [2] Renumber, reorder and rename existing subclause 96.1.2 Notation' to be 96.1.2.1 'State Diagram Notation'.         [3] Renumber, reorder and rename existing subclause 96.1.3 'Service specification' to be 96.1.2.2 'State Diagram Notation'.         [4] Renumber, reorder and rename existing subclause 96.1.4 Timer specification' to be 96.1.2.3 'Service specification'.         [4] Renumber, reorder and rename existing subclause 96.1.4 Timer specification' to be 96.1.2.1 'State Diagram Notation'.         [6] SC 96.3.3.1.2       P53       L 36         [7] 96       SC 96.3.3.1.2       P53       L 36         [7] 96       SC 96.3.3.1.2       P53       L 36         [7] 96       SC 96.3.3.1.2       P53       L 36         [8] Renumber, reorder and rename existing subclause 96.3.3.1 is is the corse-reference from Status A       Please formath evaniable definitions as totical work whereas subclause 96.3.3.1 is general to the class of the corse-reference form 96.3.3.1 is best to Conversion is as specified in 96.3.3.1.1. Is this the correct cores-reference form 96.3.3.1 is best or Cereet to the definition of	Comment Type TR Com	ment Status A			Comment Type	⇒ T	Comment Statu	s D			E
19 Add a new subclause 96.1.2 as follows:         96.1.2 Conventions in this clause'.         The body of this clause contains state diagrams, including definitions of variables, constants, and functions. Should there be a discrepancy between a state diagram and descriptive text, the state diagram revails.         [2] Renumber, reorder and rename existing subclause 96.1.2. 'Notation' to be 96.1.2.1' State Diagram Notation'.         [3] Renumber, reorder and rename existing subclause 96.1.3 'Service specification' to be 96.1.2.1' State Diagram Timer specification'.         [4] Renumber, reorder and rename existing subclause 96.1.4 Timer specification' to be 96.1.2.2' State Diagram Timer specification.         [4] Renumber, reorder and rename existing subclause 96.1.4 Timer specification' to be 96.1.2.2' State Diagram Timer specification.         [6] SC 96.3.3.1.2       P53       L 36       # [-23]         [7] 96       SC 96.3.3.1.2       P53       L 36       # [-21]         [7] 96       SC 96.3.3.1.2       P53       L 36       # [-21]         [7] 96       SC 96.3.3.1.2       P53       L 36       # [-21]         [7] 96       SC 96.3.3.1.2       P53       L 36       # [-21]         [7] 96       SC 96.3.3.1.2       P53       L 36       # [-21]         [7] 96       SC 96.3.3.1.2       P53       L 36       # [-21]         [7] 96       SC 96.3.3.1.2       P53	own subclause heading. In add precedence over text.				described the value z	in 40.4.5.2.'. ero will hav	Based on this there	e is no definiti	ion for what as	ssigning a timer w	
96.1.2 Conventions in this clause!.         The body of this clause contains state diagrams, including definitions of variables, constants, and functions. Should there be a discrepancy between a state diagram and descriptive text, the state diagram prevails.         [2] Renumber, reorder and rename existing subclause 96.1.2 'Notation' to be 96.1.2.1 'State Diagram Notation'.         [3] Renumber, reorder and rename existing subclause 96.1.3 'Service specification' to be 96.1.2.1 'State Diagram Notation'.         [4] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be 96.1.2.1 'State Diagram Timer', so as defined by 40.4.5.1 'B this the correct or service Table 1.3 'Service specification' to be 96.1.2.1 'State Diagram Timer', so as defined by 40.4.5.1 'B this the correct or service Table 1.3 'Service specification' to be 96.1.2.1 'State Diagram Timer', so as defined by 40.4.5.1 'B this the correct or service Table 1.3 'Service specification' to be 96.1.2.1 'State Diagram Timer', so as defined by 40.4.5.1 'B this the correct or service Table 1.3 'Service specification' to be 96.1.2.1 'State Diagram Timer', so as defined by 40.4.5.1 'B this the correct or service Table 1.3 'Service specification' to be 96.1.2.1 'State Diagram Timer', so as defined by 40.4.5.1 'State Diagram'	•• •				icv_max_t	inter_uone.					
96.1.2 Conventions in this clause'.         The body of this clause contains state diagrams, including definitions of variables, constants, and functions. Should there be a discrepancy between a state diagram and descriptive text, the state diagram prevails.         [2] Renumber and rename existing subclause 96.1.2 Notation' to be 96.1.2.1 'State Diagram Notation'.         [3] Renumber, reorder and rename existing subclause 96.1.3 'Service specification' to be '96.1.2.3 'Service specification'.         [4] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be '96.1.2.2 'State Diagram Timer specification'.         [4] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be '96.1.2.2 'State Diagram Timer specification'.         [6] SC 96.3.3.1.2       P53       L 36       # [-21]         [7] 96       SC 96.3.3.1.2       P53       L 36       # [-21]         [7] 96       SC 96.3.3.1.2       P53       L 36       # [-21]         [7] 96       SC 96.3.3.1.2       P53       L 36       # [-21]         [8] Renumber reorder and rename existing subclause 96.3.3.1 is the 'PCS Receive overview' whereas sub	[1] Add a new subclause 96.1.	2 as follows:									-
The body of this clause contains state diagrams, including definitions of variables, constants, and functions. Should there be a discrepancy between a state diagram and descriptive text, the state diagram prevails.       SuggestedRemedy         [2] Renumber and rename existing subclause 96.1.2 'Notation' to be 96.1.2.1' State Diagram Notation'.       Proposed Response Status W         [3] Renumber, reorder and rename existing subclause 96.1.3 'Service specification' to be 96.1.2.2' State Diagram Timer specification'.       Psi         [4] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be 96.1.2.2' State Diagram Timer specification'.       Psi         [6] SC 96.3.3.1.2       P53       L36       # [12]         [7] We for SC 96.3.3.1.2       P53       L36       # [12]         [8] Renumber, reorder and rename existing subclause 96.3.1.1'. Is this the correct cross-reference, subclause 96.3.3.1 to PCS Receive overview' whereas subclause 96.3.3.1.1'. Is this the correct cross-reference, subclause 96.3.3.1 to PCS Receive overview' whereas subclause 96					rcv_max_t	imer_done i	s set to FALSE at th	at point. Base	ed on this I do	n't see the need	le for
Constants, and influences. Should unlike the state diagram prevails.       Delete the action 'rcv_max_timer <= 0' in the state 'JABIDLE'.											
[2] Renumber and relating existing subclause 96.1.3 'Service specification' to be         [3] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be         [4] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be         [6] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be         [6] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be         [6] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be         [6] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be         [6] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be         [6] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be         [6] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification'.         [7] 96 SC 96.3.3.1.2       P 53         [8] Romment Type       E         [9] Comment Type       E			siween a state t	lagram and	00		max_timer <= 0' in t	he state 'JAB	IDLE'.		
'96.1.2.3 'Service specification'.         [4] Renumber, reorder and rename existing subclause 96.1.4 'Timer specification' to be '96.1.2.2 'State Diagram Timer specification'.         '8esponse       Response Status C         ACCEPT.       C         C/ 96       SC 96.3.3.1.2       P 53       L 36       # [:21]         aw, David       Hewlett-Packard Ltd       SuggestedRemedy       See comment.         Comment Type       E       Comment Status A       Psi 2       L 20       # [:24]         Comment Type       E       Comment Status A       C       ACCEPT.         Consert France, subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause 96.3.3.1 is the 'PCS Rec		sting subclause 96.1.2 'Nota	tion' to be 96.1.2	2.1 'State			,	5 W			
'96.1.2.2 'State Diagram Timer specification'.         Response       Response Status C         ACCEPT.       ACCEPT.         '/ 96 SC 96.3.3.1.2       P 53 L 36 # [-21]         aw, David       Hewlett-Packard Ltd         Comment Type E       Comment Status A         The text states that The symbol conversion is as specified in 96.3.3.1.'. Is this the correct cross-reference, subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause 96.3.3.2 is the 'PCS Receive symbol decoding'.         SuggestedRemedy       Cl 96 SC 96.3.3.1       P 52 L 20 # [-24]         Cl 96 SC 96.3.3.1       P 52 L 20 # [-24]         Law, David       Hewlett-Packard Ltd         SuggestedRemedy       C accePT.         Change the cross-reference from 96.3.3.1 to 96.3.3.2. Alternatively delete this sentence as it doesn't seem particularly relevant to the definition of this timer.       E         Response       Response Status C       E         ACCEPT IN PRINCIPLE.       C       P Please remove the bolding of 'receiving = TRUE + rcv_max_timer_done = TRUE'.         Suggested Remedy       See comment.       Proposed Response Status W         PROPONSED ACCEPT       Proposed Response Status W			1.3 'Service spe	cification' to be	•••••	C 96.3.3.1.				# i-23	
ACCEPT.       SuggestedRemedy         ACCEPT IN PRINCIPLE.       P53       L36       # [-21]         SuggestedRemedy       SuggestedRemedy       Response Status D       C         ACCEPT IN PRINCIPLE.       Response Status C       ACCEPT.         SuggestedRemedy       Response Status C       ACCEPT.         Change the cross-reference from 96.3.3.1 to 96.3.3.2. Alternatively delete this sentence as it doesn't seem particularly relevant to the definition of this timer.       Comment Type E       Comment Status D       E         Please remove the bolding of 'receiving = TRUE + rcv_max_timer_done = TRUE'.       SuggestedRemedy       See comment.         Proposed Response       Response Status C       SuggestedRemedy       See comment.         Please remove the bolding of 'receiving = TRUE + rcv_max_timer_done = TRUE'.       SuggestedRemedy       See comment.         Response       Response Status C       SuggestedRemedy       See comment.         PROPOSED ACCEPT IN PRINCIPLE.       POPOSED ACCEPT       PROPOSED ACCEPT			1.4 'Timer specif	fication' to be	Please for	mat the varia	able definitions as fo	ound in subcla	ause 40.4.5.1	'State diagram	
C/ 96       SC 96.3.3.1.2       P 53       L 36       # [-21]         aw, David       Hewlett-Packard Ltd       E       Comment Status A       Response Status C         Comment Type       E       Comment Status A       C       ACCEPT.         The text states that 'The symbol conversion is as specified in 96.3.3.1.'. Is this the correct cross-reference, subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause 96.3.3.1 to 96.3.3.2. Alternatively delete this sentence as it doesn't seem particularly relevant to the definition of this timer.       C/ 96       SC 96.3.3.1       P 52       L 20       # [-24]         Change the cross-reference from 96.3.3.1 to 96.3.3.2. Alternatively delete this sentence as it doesn't seem particularly relevant to the definition of this timer.       E       Please remove the bolding of 'receiving = TRUE + rcv_max_timer_done = TRUE'.       SuggestedRemedy         Response       Response Status C       See comment.       See comment.         ACCEPT IN PRINCIPLE.       Proposed Response       Response Status W       PeopOSED ACCEPT		onse Status C					ewhere in the draft.				
Cl 96       SC 96.3.3.1.2       P53       L 36       # i-21         aw, David       Hewlett-Packard Ltd       Hewlett-Packard Ltd         Comment Type       E       Comment Status       A         The text states that 'The symbol conversion is as specified in 96.3.3.1.'. Is this the correct cross-reference, subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause 96.3.3.2 is the 'PCS Receive overview' whereas subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause 96.3.3.2 is the 'PCS Receive overview' whereas subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause	ACCEPT.					•					
Comment Type       E       Comment Status       A         The text states that 'The symbol conversion is as specified in 96.3.3.1.'. Is this the correct cross-reference, subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause 96.3.3.2 is the 'PCS Receive overview' whereas subclause 96.3.3.2 is the 'PCS Receive symbol decoding'.       C/ 96 SC 96.3.3.1 P 52 L 20 # i-24         SuggestedRemedy       Hewlett-Packard Ltd       Hewlett-Packard Ltd         Comment Type       E       Comment Status       D       E         Comment Type       E       Comment Status       D       E         Please remove the bolding of 'receiving = TRUE + rcv_max_timer_done = TRUE'.       SuggestedRemedy       SuggestedRemedy         Response       Response Status       C       See comment.       SuggestedRemedy       See comment.         Response       Response Status       C       Proposed Response       Response Status       W         PROPOSED ACCEPT       PROPOSED ACCEPT       PROPOSED ACCEPT       Response Status       W				# i-21	Response	ent.	Response Status	S C			
cross-reference, subclause 96.3.3.1 is the 'PCS Receive overview' whereas subclause 96.3.3.2 is the 'PCS Receive symbol decoding'.       Law, David       Hewlett-Packard Ltd         SuggestedRemedy       Comment Type       E       Comment Status       D       E         Change the cross-reference from 96.3.3.1 to 96.3.3.2. Alternatively delete this sentence as it doesn't seem particularly relevant to the definition of this timer.       Please remove the bolding of 'receiving = TRUE + rcv_max_timer_done = TRUE'.       SuggestedRemedy         Response       Response Status       C       See comment.         ACCEPT IN PRINCIPLE.       Proposed Response       Response Status       W	Comment Type E Con	ment Status A			ACCEPT.						
SuggestedRemedy       Comment Type       E       Comment Status       D       E         Change the cross-reference from 96.3.3.1 to 96.3.3.2. Alternatively delete this sentence as it doesn't seem particularly relevant to the definition of this timer.       Please remove the bolding of 'receiving = TRUE + rcv_max_timer_done = TRUE'.       SuggestedRemedy         Response       Response Status       C       See comment.         ACCEPT IN PRINCIPLE.       Proposed Response       Response Status       W	cross-reference, subclause 96	.3.3.1 is the 'PCS Receive o				C 96.3.3.1				# i-24	
Change the cross-reference from 96.3.3.1 to 96.3.3.2. Alternatively delete this sentence as it doesn't seem particularly relevant to the definition of this timer.       Please remove the bolding of 'receiving = TRUE + rcv_max_timer_done = TRUE'.         SuggestedRemedy       See comment.         ACCEPT IN PRINCIPLE.       Proposed Response       Response Status       W		ymbol decoding.			Comment Type	E	Comment Statu	s D			Е
it doesn't seem particularly relevant to the definition of this timer.       SuggestedRemedy         Response       Response Status       See comment.         ACCEPT IN PRINCIPLE.       Proposed Response       Response Status       W         PROPOSED ACCEPT       PROPOSED ACCEPT       PROPOSED ACCEPT		om 06 2 2 1 to 06 2 2 2 Alto	rnatively delete	this sentence as	Please ren	nove the bol	ding of 'receiving =	TRUE + rcv_i	max_timer_do	one = TRUE'.	
ACCEPT IN PRINCIPLE.  Proposed Response Response Status W  PROPOSED ACCEPT	SuggestedRemedy				SuggestedRen	nedy					
	uggestedRemedy Change the cross-reference fro		timer.								
Remove "The symbol conversion is as specified in 96.3.3.1." PROPOSED ACCEPT.	uggestedRemedy Change the cross-reference fro it doesn't seem particularly rele	evant to the definition of this	timer.		See comm	ent.					
	uggestedRemedy Change the cross-reference fro it doesn't seem particularly rele Response Resp	evant to the definition of this	timer.				Response Status	5 <b>W</b>			
	SuggestedRemedy Change the cross-reference fro it doesn't seem particularly rele Response Resp ACCEPT IN PRINCIPLE.	evant to the definition of this bonse Status <b>C</b>			Proposed Res	oonse	•	5 W			
	uggestedRemedy Change the cross-reference fro it doesn't seem particularly rele Pesponse Resp ACCEPT IN PRINCIPLE.	evant to the definition of this bonse Status <b>C</b>			Proposed Res	oonse	•	5 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: Comment ID

C/         96         SC         96.3.3.1         P 50         L 3         # i-25           .aw, David         Hewlett-Packard Ltd         Hewlett-Pa	C/         96         SC         96.3.3.1         P 50         L 39         # i-27           Law, David         Hewlett-Packard Ltd         Hewlett-P
Comment Type <b>TR</b> Comment Status <b>A</b> The variable 'JBstate' is generated based on the JAB state diagram state and its only use is to control the Receive state diagram, forcing it back to the IDLE state is 'JBstate = JAB'.	Comment Type E Comment Status D EZ Typo SuggestedRemedy
The variable rcv_jab_detected is generated by the JAB state diagram, it is TRUE in the JAB state, and false in all other states. It is therefore equivalent to 'JBstate = JAB', however the variable is never used.	Receiving' should read 'receiving' in state 'SSD'. Proposed Response Response Status W
I suggest that it is clearer to use a variable set in the JAB state diagram to control the Receive state diagram, rather than variable that is generated in text.	PROPOSED ACCEPT.
SuggestedRemedy	C/00 SC 0 P 2 L 1 # i-28
Delete the 'JBstate' variable definition. Change 'JBstate = JAB' on the open arrow to the	Law, David Hewlett-Packard Ltd
IDLE state in the Receive state diagram to read 'rcv_jab_detected = TRUE'.	Comment Type E Comment Status D EZ
Response         Response Status         C           ACCEPT.	This amendment to IEEE Std 802.3-201x defines type 100BASE-T1 PCS, type 100BASE- T1 PMA sublayer, and type 100BASE-T1 Medium Dependent Interface, used in 100BASE- T1 PHY. This specification provides fully functional and electrical specifications for the type 100BASE-T1 PHY. This specification also specifies the baseband medium used with 100BASE-T1.
aw, David Hewlett-Packard Ltd	SuggestedRemedy
Comment Type <b>TR</b> Comment Status <b>A</b> The variable 'mii_fc_err' is set TRUE in the 'BAD SSD' state of the 'PCS Receive state diagram', set FALSE elsewhere, but is never used. Further, a false carrier error is already correctly signalled across the MII through the use of 'pcs_rx_er = TRUE' and 'pcs_rx_dv = FALSE' in the 'BAD SSD' state.	This amendment to IEEE 802.3 Standard for Ethernet defines the 100BASE-T1 Physical Layer (PHY) specifications and management parameters for point-to-point full duplex 100 Mb/s operation over single twisted pair balanced cabling. This specification provides fully functional and electrical specifications for the type 100BASE-T1 PHY. This specification also specifies the baseband medium used with
SuggestedRemedy	100BASE-11 PHY. This specification also specifies the baseband medium used with 100BASE-T1.
Delete the 'mii_fc_err' variable and remove from the 'BAD SSD' and 'IDLE' states of the 'PCS Receive state diagram'.	Proposed Response Response Status W
Response Response Status C	PROPOSED ACCEPT.
ACCEPT IN PRINCIPLE.	C/ 01         SC 1.3         P 18         L 14         # i-29           Law, David         Hewlett-Packard Ltd         Hewlett-Pac
Add a new paragraph at the end of 96.3.3.5 read as follows, "If the BAD SSD state occurred in Figure 96-10a PCS Receive state diagram, the false carrier error should be indicated on the MII after conversion."	Comment Type E Comment Status D EZ Typo, missing space.
	SuggestedRemedy The text ' engines -Radio' should read ' engines - Radio'.

aPhyType and aPhyTypeList attributes.       is no clear         SuggestedRemedy       by the PM         Change the editing instruction for aPhyType and aPhyTypeList to read 'Insert the following new entry in APPROPRIATE SYNTAX after the entry for 100BASE-T2:'.       is no clear         Response       Response Status       C         ACCEPT.       SuggestedRen         [1] Update	SC 96.3.3.1.4 P 53 L 43 # i-33
Please provide clear instructions in respect to where to place the new entry in the aPhyType and aPhyTypeList attributes.       Subclause is no clear by the PM other than in subclause is no clear by the PM other	Hewlett-Packard Ltd
aPhyType and aPhyTypeList attributes.       is no clear         SuggestedRemedy       by the PM         Change the editing instruction for aPhyType and aPhyTypeList to read 'Insert the following       in subclau         new entry in APPROPRIATE SYNTAX after the entry for 100BASE-T2:'.       to a 2-D te         Response       Response Status       C         ACCEPT.       SuggestedRemedy       [1] Update	pe TR Comment Status A
Suggestearcemedy       other than         Change the editing instruction for aPhyType and aPhyTypeList to read 'Insert the following       other than         new entry in APPROPRIATE SYNTAX after the entry for 100BASE-T2:'.       to a 2-D te         Response       Response Status       C         ACCEPT.       SuggestedRen         [1] Update	se 96.3.3.1.4 'Messages' defines 'PUDI' however this is never used. Further the ar description that I can find of now the 'rx_symb_vector' ternary symbols suppli
Change the editing instruction for aPhyType and aPhyTypeList to read 'Insert the following new entry in APPROPRIATE SYNTAX after the entry for 100BASE-T2:'.       in subclau to a 2-D te decoding'.         Response       Response Status       C         ACCEPT.       SuggestedRei         [1] Update	MA_UNITDATA.indication primitive from the PMA are mapped to rx_symb_pair n a mention on de-interleaving rx_symb_vectors in the check_idle function define the check_idle function defined the check_idle function defined to the
ACCEPT. SuggestedRei	use 96.3.3.1.2 'Functions' and a statement that 'received symbols are converte ternary pair (RAn, RBn) first' in subclause 96.3.3.2 'PCS Receive symbol
[1] Update	/.
	emedy
	te the description in subclause 96.3.3.2 'PCS Receive symbol decoding' to use rx_symb_vector and rx_symb_pair.
aw, David Hewlett-Packard Ltd [2] Remov	ove subclause 96.3.3.1.4 'Messages' and it definition of 'PUDI' as it is not used t
Comment Type ER Comment Status A the state of the state o	diagrams. Alternatively, provide a state diagram that uses PUDI and describes
however that could mean between the entry for 100BASE-T2 and 100BASE-T2HD which I is used by	rx_symb_vector received in the message PUDI is mapped to rx_symb_pair white DECODE function of the state diagram.
	est a diagram similar to 96-8 'PCS transmit symbol mapping' be provided for the eive symbol mapping.
SuggestedRemedy Response	Response Status <b>C</b>
Change the editing instruction for aMAUI ype to read insert the following new entry in	IN PRINCIPLE.
ACCEPT. interleave	#1: In 96.3.3.2, on page 53 line 48, change "The receiver implementation de- es the sequences accordingly."
C/ 96         SC 96.3.3.1.1         P 53         L 7         # [i-32]         to           Law, David         Hewlett-Packard Ltd         The receive according         according	eiver de-interleaves the sequences of rx_symb_vector to rx_symb_pair gly."
	.2, on page 53 line 51, change
	eived symbols are converted to a 2-D ternary pair (RAn, RBn) first."
The rece	eived symbols, rx_symb_vector, are de-interleaved to generate rx_symb_pair
SuggestedRemedy (RAn, RBi See comment.	511).
Response Response Status C Remedy#3 ACCEPT. The de-int	#2: Accept to remove subclause 96.3.3.1.4 'Messages' and its definition of 'PUE #3: The interleaving process is explained in the transmit section, see Figure 96- nterleaving of the 2-D ternary pair (RAn, RBn) or (RBn, RAn) is a function of the and it is left to implementors.
Additional	

ΕZ



### Comment Type T Comment Status D

In 802.3, management is optional (see quotation from 30.1, Management Overview, below), and the way of doing management registers and the management interface are also optional (see quotations from 80.2.7 Management interface (MDIO/MDC) and Clause 55, 10GBASE-T, below). This is desirable: some small or highly integrated products won't have an exposed MDIO interface, and some (e.g. SFP+ modules) use a different memory map and interface that provides an equivalent function to Clause 45, and can be converted by another part of the system.

This sentence "100BASE-T1 shall use the management interface as specified in Clause 45 and the PHY-Initialization which is described in the following section." joins two separate requirements with one "shall" (also it lacks a PICS). The first one, "shall use the management interface as specified in Clause 45" was a response to D1.2 comment 91 which asked "is the management interface normative or optional?" The text needs to be changed to show that Clause 45 is optional. Also, the "shall be configured" in 96.6.1 won't work, because shalls in this clause apply to just the PHY, and something else would do the configuring.

Editorials: it's the following two sections, and they should be called subclause or explicitly identified. PHY-initialization, MASTER-SLAVE configuration and MASTER-SLAVE assignment are the same thing, so must be identified by the same name. Rogue capital in "PHY-Initialization", line 28.

#### From 30.1 Overview

In CSMA/CD no peer management facilities are necessary for initiating or terminating normal protocol operations or for handling abnormal protocol conditions. Since these activities are subsumed by the normal operation of the protocol, they are not considered to be a function of Layer Management and are, therefore, not discussed in this clause. Implementation of part or all of Layer Management is not a requirement for conformance to any other clause of this standard.

#### 80.2.7 Management interface (MDIO/MDC)

The optional MDIO/MDC management interface (Clause 45) provides an interconnection between MDIO Manageable Devices (MMDs) and Station Management (STA) entities.

### 55.3.7 PCS management

The following objects apply to PCS management. If an MDIO Interface is provided (see Clause 45), they are accessed via that interface. If not, it is recommended that an equivalent access be provided.

#### 55.5.2 Test modes

The test modes described below shall be provided to allow for testing of the transmitter waveform, transmitter distortion, transmitted jitter, transmitter droop and BER testing. For a PHY with an MDIO management interface, these modes shall be enabled by setting bits...

55.6 Management interfaces 10GBASE-T makes extensive use of the management functions that may be provided by

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

the MDIO (Clause 45)...

### SuggestedRemedy

Change 96.6, 96.6.1 and 96.6.2 to:

96.6 MASTER-SLAVE assignment

100BASE-T1 uses MASTER-SLAVE assignment. A method for configuring a PHY as MASTER or SLAVE shall be provided. The optional MDIO/MDC management interface (Clause 45) may be used; if not, it is recommended that an equivalent access be provided. MASTER-SLAVE assignment for each link configuration is necessary for establishing the timing control of each PHY. In 100BASE-T1, one PHY is configured as MASTER and one PHY is configured as SLAVE to operate. In case both PHYs are configured to be MASTER or SLAVE, operation is undefined.

[Then, text as in present 96.6.2 PHY-initialization]

Add PICS for "A method for configuring a PHY as MASTER or SLAVE shall be provided."

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ <b>45</b>	SC 45.2.1	P <b>24</b>	L 10	# i-35
Mcclellan	, Brett	Marvell Sem	iconducto	
Commen	t Type TR	Comment Status A		

page 26 section 45.2.1.14b defined a new register "BASE-T1 PMA/PMD extended ability register (1.18)", however the new register is not listed in Table 45-3.

### SuggestedRemedy

Add the new register to Table 45-3.

Response Response Status C

ACCEPT IN PRINCIPLE.

See response to comment #i-8.

Cl 45 SC 45.2.1.131 Mcclellan, Brett	P <b>26</b> Marvell Semio	L 30 conducto	# i-36	<i>CI</i> 96 Law, David	SC 96.3.3.1	P <b>52</b> Hewlett-Pacl	L <b>26</b> kard Ltd	# i-39	
Comment Type TR MASTER-SLAVE manual but the last column indica which contradicts the obje SuggestedRemedy change description to "Se	Comment Status <b>D</b> config enable description tes R/W. The description s active of not precluding aut to 1 for manual configura 100.15 returns a one to inc	says "Value alw should not say th o-negotiation. tion"	at writes are ignored	Comment Typo. Suggested Sugge: Proposed F	Remedy st that ' before	Comment Status D e DATA state;' should read ' Response Status W		A state;'.	EZ
to "Bit 1.2100.15 is set to	one for manual MASTER	or SLAVE config	uration."	CI 96	SC 96.3.3.1	P 52	L <b>26</b>	# i-40	
Proposed Response PROPOSED ACCEPT IN See response to commer				Law, David <i>Comment</i> 7 Typo.		Hewlett-Pacl Comment Status D	kard Ltd		ΕZ
Cl 96 SC 96.3.3.1 Mcclellan, Brett Comment Type E transitions that do not sha	P 50 Marvell Semic Comment Status D are the same conditions sh		# [i-37	Proposed I	st that ' there	are total of' should read ' <i>Response Status</i> <b>W</b> ſ.	there are a total	of'.	
This also applies to other SuggestedRemedy	figures in this draft.			<i>Cl</i> <b>96</b> Law, David	SC 96.3.3.1	P <b>52</b> Hewlett-Pacl	L <b>27</b> kard Ltd	# i-41	
	hat each transition has it's Response Status W	own entrance to	o a state	Comment Typo. Suggested		Comment Status D			EZ
C/ 96 SC 96.3.3.1	P <b>50</b> Hewlett-Pack	L <b>12</b> ard Ltd	# i-38	Sugges	st that ' states the IDLE state	s before IDLE state (including (including the DATA state)		should read ' stat	les
	Comment Status A SSD2, SSD3, ESD1, ESD2 6-10a and 96-10b are not		R_ESD3 that Rxn are	Proposed I PROP	Response DSED ACCEP <sup>-</sup>	Response Status W T.			
	SD1, SSD2, SSD3, ESD1	, ESD2, ESD3 a	nd ERR_ESD3.						
Response ACCEPT IN PRINCIPLE.	Response Status C								
In 96.3.3.1 add "For the d ERR_ESD3 see 96.3.2.3	efinition of IDLE, SSD1, S 1."	SD2, SSD3, ES	D1, ESD2, ESD3 and						

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

C/ 96 SC 96.3.3.1	P <b>52</b>	L <b>27</b>	# i-42	C/ 96	SC 96.3.3.1	P <b>52</b>	L <b>32</b>	# i-45
Law, David	Hewlett-Packa	rd Ltd		Law, David		Hewlett-Packar	d Ltd	
Comment Type T Co	mment Status D		EZ	Comment Ty	vpe E	Comment Status D		EZ
Suggest reword without the up	se if shall statement as	state diagram c	ontains the normative	There ar	e variables, fu	unctions and timers defined for t	hese state dia	igrams.
requirements.				SuggestedR	emedy			
SuggestedRemedy Suggest that ' that shall do I decoding.'.	DATA decoding.' be cha	anged to read '	. that perform DATA	timers us	sed in Figure	state variables in Figure' to re '.	ad 'The variab	bles, functions and
0	ponse Status W			Proposed Re	esponse	Response Status W		
PROPOSED ACCEPT.				PROPO	SED ACCEPT	Г.		
	0.54			C/ 96	SC 96.3.3.2	P <b>54</b>	L <b>1</b>	# i-46
C/ 96 SC 96.3.3.1 Law, David	P <b>52</b> Hewlett-Packa	L 26	# i-43	Law, David		Hewlett-Packar	d Ltd	
				Comment Ty	vpe T	Comment Status D		
Comment Type E Could lift this is a note, please use the	mment Status <b>D</b> e correct formatting for	a note.	EZ	(RAn, RI	Bn) are decoc	CS Receive symbol decoding' s led to generate signals rx_data<	<2:0>, rx_dv, a	and rx_error.' and that '
SuggestedRemedy				These si RX_DV	ignals are pro and RX_FR a	cessed through 3B/4B conversion t the MII'. Is this correct as Figu	on to generate re 96-10 'PCS	signals RXD<3:0>, Receive state diagram
See comment.				generate	es pcs_rx_er,	pcs_rx_dv and rx_data<2:0> an		
Proposed Response Res	ponse Status W				B conversion.			
PROPOSED ACCEPT IN PR	INCIPLE.			SuggestedR	-			
On page 52 line 27, change " to	Note that, in"					generate signals rx_data<2:0 enerate signals rx_data<2:0>, po		
"In".				Proposed Re	esponse	Response Status W		
	0.00			PROPO	SED ACCEPT	Г.		
C/ 96 SC 96.3.3.1 Law, David	P <b>52</b> Hewlett-Packa	L 28 rd Ltd	# i-44	C/ 96	SC 96.4.4	P 59	L <b>21</b>	# [i-47
	mment Status D		EZ	Law, David		Hewlett-Packar	d Ltd	
Suggested rewording of the s		note		Comment Ty	vpe E	Comment Status D		EZ
						t as 100BASE-T1 can only oper		s, and just because a
	anaa af tha nata ha aha	inded to read 'A	s a result the depth of	link com	es up does no	ot mean frames will be exchange	ed.	
		ngeu to reau A.	a correct pocket	SuggestedR	emedy			
Suggest that the second sent data flush-in delay line is the	same as the flush-out d	elay line ensurir	ід сопесі раскеі					
Suggest that the second sent data flush-in delay line is the reception at the MII.'.	same as the flush-out d	elay line ensurir	ід сопесі раскеї			e PHY into the 100BASE-T1 mo		
Suggest that the second sent data flush-in delay line is the reception at the MII.'. Proposed Response Res	ponse Status W	elay line ensurir	о сопестраскет	frames a	are exchanged	e PHY into the 100BASE-T1 mo d with the link partner.' should be e of operation so that frames ca	e changed to r	ead ' the PHY into
data flush-in delay line is the s reception at the MII.'.	same as the flush-out d	elay line ensurir	ig correct packet	frames a	are exchanged BASE-T1 mod	d with the link partner.' should be	e changed to r	ead ' the PHY into

C/ 96 SC 96.4.7	.1 P 59	L <b>42</b>	# i-48	C/ 96	SC 96	.4.2	P <b>58</b>	L 15	# i-50			
Law, David	Hewlett-Pack	kard Ltd		Law, David Hewlett-Packard Ltd								
Comment Type T	Comment Status D			Comment	Type 1	Г	Comment Status D					
continuously and pa implies it is a output PHY CONTROL blo	ne config variable states that 'TI ass it to the PCS via the PMA_C of the state diagram, and Figurick, yet it is actually used as an the transition from the 'SLAVE	CONFIG.indicatio re 96-14 shows it input to Figure 9	n primitive.' which t as an output of the 6-17 'PHY Control state	separa read 'F SEND	te variabl HY Contr I and SE	es, see ol sets t ND_Z d	ntrol config sets tx_mode to subclause 96.4.7.1 for thei tx_mode to' as it is tx_mo lescribed, not config. Based he connection of tx_mode t	r definitions. I be ode that can take d on this Figure 9	lieve this text should the values SEND_N, 96-14 and 96-25 both			
SuggestedRemedy				Suggested	Remedy							
Please provide deta	ils of how this variable is gener	ated.				ext 'PH'	Y Control config sets tx_mo	de to' to read	PHY Control sets			
Proposed Response	Response Status W			tx_moo	de to'.							
				[2] In F	igure 96-	14 add a	a connection of tx_mode to	the PMA TRANS	SMIT block.			
C/ 96 SC 96.4.7	.1 P 59	L <b>45</b>	# i-49	[3] In F	igure 96-	15 add a	a input arrow labled tx_mod	le.				
Law, David	Hewlett-Pack	kard Ltd		Proposed I	Response	•	Response Status W					
Comment Type T	Comment Status D		EZ	PROP	OSED AC	CEPTI	N PRINCIPLE.					
defined in 28.2.6.2.' and is passed to the Proposed Response	his variable is configured by ma to read ' This variable is config PMA via the PMA_LINK.reque Response Status W	ured by manage	ment or set by default	or idle code-g to the	), SEND_ roups). " end of 96	l (transı .4.4.	, Control Information, mission of IDLE code-group and [3] suggested remedie		transmission of zero			
PROPOSED REJEC	JI.			C/ 96	SC 96	.4.2	P 58	L 19	# i-51			
Overcome by events	s. See response to comment #i	-56.		Law, David	I		Hewlett-Pac	kard Ltd				
				Comment	Type 1	Г	Comment Status D					
				Function PMA_0	on derives	the TX	MA_CONFIG indicates MA _TCLK from a local clock s s SLAVE mode'. It is the i that can take the vales MA	ource. When parameter config	g contained in the			
				Suggested	Remedy							
				Sugge Function PMA_0 in the l derives	st that tex on derives CONFIG i PMA_COI s the TX_	the TX ndicates NFIG pr TCLK fr	PMA_CONFIG indicates M _TCLK from a local clock s s SLAVE mode' be chan imitive indicates MASTER om a local clock source. W indicates SLAVE mode'	ource. When ged to read 'Whe mode, the PMA hen the config pa	en the config parameter Transmit Function			
				Proposed I	Response	,	Response Status W					
				PROP	OSED AC	CEPT.						

CI <b>96</b>	SC 96.4.3	P 58	L 37	# i-52	C/ 96	SC 96.4.1	P 56	L 12	# i-55
aw, David		Hewlett-Packa	rd Ltd		Law, Davi	b	Hewlett-Pac	kard Ltd	
omment 1	Туре Е	Comment Status D		I	Z Comment	Туре Т	Comment Status A		
states ' of the r followir Suggested Delete Proposed F	The parameter receive link at the ng sentence pro <i>Remedy</i> the text '(gener	generate loc_rcvr_status (gen loc_rcvr_status is generated b le local PHY.'. The parenthetic vides an explanation of what le al status of local receiver)'. <i>Response Status</i> <b>W</b>	y PMA Receive al text seems re	e to indicate the status edundant as the	the 36 point of subcla 40.4.2 36.2.5 registe PHY i IEEE	.2.5.1.3 references of stating that 'the suse 40.4.2.1 will .1 I don't see any .1.3 does mention er, but this is not r n a mode whereby	action shall conform to 40.4 a is valid and the optional L 36.2.5.1.3 reference is val be followed without any ex reference to 'optional LPI' n the low power mode bit ( elated to LPI. Instead this y it is only required to resp ubclause 22.2.4.1.5). Since be supported.	PI reference is no id' since it is alreat ceptions. Further, The definition of 0.11) in the Claus is a Power down to ond to management	ot used.' I don't see the ady stated that on examination of power_on in subclaus e 22 MII Control bit which places the ent transactions (see
/ 96	SC 96.4.3	P 58	L 39	# i-53	Suggestee	Remedy			
aw, David		Hewlett-Packa	rd Ltd				nction shall conform to 40 e is valid and the optional L		
omment 1	Type E	Comment Status A				on shall conform to	•		
		nveys the information' is uni			Response		Response Status C		
describ detail.	e what informa	tion, whether the status of the	overall received	d link is ok or not, in	ACCE	PT IN PRINCIPLI	Ε.		
Suggestedl	Remedy					4.1 change:			
Delete	the text ' conv	veys the information'.					form to 40.4.2.1 without an ne optional LPI reference is		ting that the 36.2.5.1.
Response		Response Status C			to		le optional Le rifelerence is	not used.	
ACCEF	PT IN PRINCIPI	_E.				function shall con .1.3 is not suppor	form to 40.4.2.1. The optic ted."	onal low power mo	ode referenced in
	ontrol functiona	is variable indicates to the PC nd Link Monitor whether the st							
C/ 96	SC 96.4	P 56	L <b>4</b>	# <u>i-</u> 54					
aw, David		Hewlett-Packa	rd Ltd		_				
Comment 7	Туре Е	Comment Status D		I	Z				
	st reword of the	text 'The PMA provides full du g'.	plex communic	ations employing to					
Suggestedl	Remedy								
mediun	n using 3-level	PMA provides full duplex comr ' be changed to read 'The Pl d from medium employing 3-le	MA provides ful						
Proposed E	Response	Response Status W							
-Toposeu r									

 C/ 96 SC 96.1	P 29	L3	# i-56	C/ 96	SC 96.1		P 29	L 24	# i-57
Law, David	Hewlett-Pack	÷	100	Law, David			ewlett-Packa		" 101
Comment Type E	Comment Status D			Comment	Type <b>TR</b>	Comment Stat	tus A		
The Technology Depend	dent Interface should be de where it is defined should b		ashed line and a cross	The M block y	II TX_EN sign	ervice Interface defin	ned in 96.2.2	, and illustrated	to the PHY CONTROL I in Figure 96-3, does t use TX_EN, although
SuggestedRemedy						e (see page 62, line		agram does not	use IA_EN, although
	designate the Technology hnology Dependent Interfac			Suggested			,		
Interface (Clause 28)'.						EN connection to PH			
Proposed Response	Response Status W								rvice Interface defined service Interface and
	the dashed line at top with "					2 and 96-14 accordi			civice intenace and
	nd text from top of figure to PMA_LINK.indication text (		m left side. Remove	Response		Response Stat	us <b>C</b>		
		only.		ACCEI	PT IN PRINCI	PLE.			
Move link_control line ar	the dashed line at top with nd text from top of figure to PMA_LINK.indication text	enter diagram fro		1) In F	igure 96-17, r	ename "tx_enable" to	o "TX_EN".		
	and all children subclause				6.2.2, add the TXEN.reques	following to the list: t (TX_EN)"			
				3) In F	igure 96-3, ad	d a connection from	PCS to PMA	A, with label: "P	MA_TXEN.request"
				4) On j	bage 37 line 2	6 (before 96.3), add	the following	sections:	
					1 PMA_TXEN	.request es the presence of c	lata on MII fo	or transmission.	
					1.1 Semantics TXEN.request	of the primitive (TX_EN)			
				TRUE	The data tra	ter can take on one o ansmission on MII is rransmission on MII i	enabled.		
				PCS g	1.2 When gen enerates the F ed from MII.		messages c	ontinuously bas	ed on TX_EN signal
				96.2.1 <sup>-</sup>	1.3 Effect of re	eceipt			

96.2.11.3 Effect of receipt The effect of receipt of this primitive is specified in Figure 96–17.

C/ 96 SC 96.2.2	P 33	L2	# i-58	C/ 96 SC 96.3	P 38	L 37	# li-61
		_	# [1-30	Law, David	F <b>30</b> Hewlett-Pac	• •	# [[-01
		er Figure 96-2, v		There should be a verti		e the Media Indep	endent In-terface as
SuggestedRemedy Swap the order of Figure 96-3	0			SuggestedRemedy See comment. Response	Response Status C		
PROPOSED ACCEPT.				REJECT.			
	P 38	L <b>20</b>	# i-59	The vertical dashed line	e is present in the figure 96-	·4.	
		Ird Ltd		C/ 96 SC 96.3.2.1 Law, David	P <b>39</b> Hewlett-Pac	L <b>5</b> kard Ltd	# i-62
pcs_reset is missing as an inpu	ut to the PCS TRANS	VIT ENABLE blo	ock.	Comment Type E	Comment Status A		
SuggestedRemedy Add pcs_reset as an input.				reference is to ' the P	CS data transmission enab	ling' and the na	
Response Resp	onse Status C			-	ansmission chabiling state (	alagram.	
REJECT.				,	'transmission enable' or 'tra	ansmission enabli	na'
pcs_reset is a global signal ge	nerated by pervasive	management.					ing .
	D 29	/ 10	# 60	. ,	-		
Law, David       Hewlett-Packard Ltd       Law, David       Hewlett-Packard Ltd         Comment Type       E       Comment Status       D       EZ         Why is Figure 96-3, which is an overview, placed after Figure 96-2, which is the more detailed view of the signals.       EZ       Comment Type       E       Comment Status       R         SuggestedRemedy       Swap the order of Figure 96-3 and Figure 96-2.       SuggestedRemedy       See comment.       SuggestedRemedy       See comment.         PROPOSED ACCEPT.       C/ 96       SC 96.3       P 38       L 20       # [-59]       The vertical dashed line is present in the figure 96         Law, David       Hewlett-Packard Ltd       Comment Type       T comment Status       R         pcs_reset is missing as an input.       Response       Comment Status       A         SuggestedRemedy       Add pcs_reset as an input.       Comment Type       E       Comment Status       A         Response       Response Status       C       Comment Type       E       Comment Status       A         Add pcs_reset as an input.       Response Status       C       Comment Type       E       Comment Status       A         Response       Response Status       C       Comment Type       E       Comment Status       A	aragraph to " tr	ansmission enabling".					
The block is labelled 'PCS DAT		_E' yet subclaus	e 96.3.2.1 is 'PCS				
<b>30 ,</b>	ch.						

w, David Hewlett-Packard Ltd <i>mment Type</i> <b>E</b> Comment Status <b>A</b> According to figure 96-4 the 4B/3B conversion function is part of the PCS TRANSMIT since this has TXD<3:0>, tx_error_mii and tx_enable_mii as inputs. Since subclause 96.3.2.3 is	Law, David Hewlett-Packard Ltd
According to figure 96-4 the 4B/3B conversion function is part of the PCS TRANSMIT since	
	Comment Type <b>T</b> Comment Status <b>A</b> It seems odd to include a shall statement in respect to the receiver in the transmit PC section.
the PCS Transmit subclause, suggest that the 4B/3B subclause 96.3.2.2, and its subclauses, should be moved under 96.3.2.3.	SuggestedRemedy
ggestedRemedy	Suggest ' shall be discarded at the receiver side upon' should read ' will be
[1] Insert new heading 96.3.3 PCS Transmit to match block in Figure 96-4.	discarded at the receiver upon'.
<ul><li>[2] Renumber 96.3.2.2 to 96.3.3.1 as the first subclause (function) of the PCS transmit.</li><li>[3] Renumber remaining subclauses.</li></ul>	Response Response Status C ACCEPT.
sponse Response Status C ACCEPT IN PRINCIPLE.	Update PICS accordingly.
	C/ 96 SC 96.3.2.3 P 42 L 19 # i-66
Remove "96.3.2 PCS Transmit".	Law, David Hewlett-Packard Ltd
Change "96.3.2.1" to "96.3.2"	Comment Type E Comment Status A
Insert "96.3.3 PCS Transmit" before "96.3.2.2 4B/3B conversion"	This text, and the following subclauses, only relates to the state diagram, the 4B/3B function for example is also part of the PCS transmit (see my previous comment).
Renumber as necessary.	SuggestedRemedy Rename this subclause to be 'PCS Transmit state diagram'.
96 SC 96.3.2.2.2 P 40 L 30 # [i-64	, s
w, David Hewlett-Packard Ltd	Response Response Status C ACCEPT.
mment Type E Comment Status R	ACCEFT.
Suggest ' shall be discarded at the receiver side upon' should read ' shall be discarded at the receiver upon'.	C/         96         SC         96.3.2.3.1         P 43         L 8         # [i-67]           Law, David         Hewlett-Packard Ltd         Hewlet
ggestedRemedy See comment.	Comment Type <b>T</b> Comment Status <b>A</b> Delete the config variable as it is not used in the transmit state diagrams.
Response Response Status C	SuggestedRemedy See comment.
See response to comment #i-65.	Response Response Status C ACCEPT IN PRINCIPLE.
	Remove duplicate config definition in 96.3.2.3.1.
	Config is defined in 96.4.7.1.

C/ 96 SC 96.3.2.3.1 Law, David	Р <b>43</b> Hewlett-Pack	<i>L</i> <b>11</b> ard Ltd	# i-68	<i>Cl</i> <b>96</b> Law, David	SC 96.3.2.4	P <b>46</b> Hewlett-Pao	L <b>15</b> ckard Ltd	# i-71
Comment Type <b>T</b> Delete the DATA variable	Comment Status R as it is not used in the tran	nsmit state diagr	ams.	Comment Based		Comment Status D in subclause 96.3.2.4.3, tx	_mode is an input	to the side stream
SuggestedRemedy See comment. Response REJECT.	Response Status C			Proposed I	<i>Remedy</i> _mode as an inp	ut to the block 'SIDE STRE Response Status W	EAM SCRAMBLER	Ľ.
The variable DATA is refe	erenced in section 96.3.2.4	.10.		C/ 96	SC 96.3.2.4	P 46	L3	# [i-72
C/ 96 SC 96.3.2.3.1 aw, David	P <b>43</b> Hewlett-Pack	L <b>50</b>	# i-69	Law, David		Hewlett-Pa	-	" 12
Comment Type <b>T</b> Delete the tx_symb_vecto DeletedRemedy See comment.	Suggested	label the signals	Comment Status A from the block 'SYMBOL	MAPPING' to the t	block '2D to 1D'.			
	Response Status C				PT IN PRINCIPL			
Remove duplicate tx_syr	nb_vector definition in 96.3	.2.3.1.		Label t	hose two signals	as "TAn" and "TBn".		
Config is defined in 96.2.	5.1.			C/ <b>96</b> Law, David	SC 96.3.2.4	P <b>46</b> Hewlett-Pae	L <b>4</b> ckard Ltd	# i-73
7 96 SC 96.3.2.4	P <b>45</b>	L 34	# i-70	Comment		Comment Status D		
aw, David Comment Type <b>T</b> The text states that 'The in Figure 96-8.' however t	Hewlett-Pack Comment Status A reference diagram of PCS the figure shown in Figure 9	transmit symbol 96-8 is much bro	mapping is indicated ader that just PCS	Based = SEN and 96 using t	on the equations D_I', 96.3.2.4.7 ' .3.2.4.8 'Genera'	in subclause 96.3.2.4.6 'C Generation of (TAn, TBn) v ion of (TAn, TBn) for idle s put, add both tx_mode and	when tx_mode = Sl sequence when tx_	END_N, tx_enable = 1 _mode=SEND_N' all
transmit symbol mapping the blocks itself is labled	, for example the 4B/3B co 'SYMBOL MAPPING'.	nversion block is	s shown, and one of	Suggested	,			
uggestedRemedy				-		able as inputs to the block	CSYMBOL MAPPI	NG'.
	to read ' 'The reference dia Figure 96-8 should also be		ansmit is shown in	Proposed I PROP	Response OSED ACCEPT	Response Status W IN PRINCIPLE.		
Response ACCEPT IN PRINCIPLE.	Response Status C			Add tx block.	_mode as an inp	ut to "Symbol Mapping" blo	ock. tx_enable is al	lready an input to this
Also on page 45 line 34,	4 to "PCS transmit symbol Replace "mapping " with " s title to "PCS transmit sym	generation".						
TYPE: TR/technical required	ER/editorial required GR/	general required	T/technical E/editorial G/d	neneral		Com	ment ID i-73	Page 17 of

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

C/         96         SC         96.3.2.4         P         46         L         8         # i-74           Law, David         Hewlett-Packard Ltd         Hewlett-Packa	Cl         96         SC         96.2.6.1         P 35         L 27         # [i-77           Wienckowski, Natalie         General Motors Comp         General Motors Comp         Figure 1000000000000000000000000000000000000
Comment Type       T       Comment Status       D         Based on the equations in subclause 96.3.2.4.4 using both tx_enable and loc_rcvr_status as inputs, these need to be added as inputs to the 'DATA SCRAMBLER' block.         SuggestedRemedy	Comment Type E Comment Status D Inconsistent variable name SuggestedRemedy Replace: are called rx_symbol_vector[BL_DA]
Add both tx_enable and loc_rcvr_status as inputs to the 'DATA SCRAMBLER' block.  Proposed Response Response Status W PROPOSED ACCEPT.	With: are called rx_symbol_vector[BI_DA]         Proposed Response       Response Status         W         PROPOSED ACCEPT.
Cl 96         SC 96.3.2.4         P 46         L 8         # [i-75]           Law, David         Hewlett-Packard Ltd         Hewle	C/         96         SC         96.10.4.4         P 80         L 19         # [i-78           Wienckowski, Natalie         General Motors Comp         <
It is not clear how the PCS transmit state diagram fits within the figure. As an example in the state 'TRANSMIT DATA' the tx_sym_pair is set equal to ENCODE of tx_data<2:0> which would appear to the equivalent of sdn<2:0>. SuggestedRemedy Show where the PCS transmit state diagram fits within this figure. Response Response Status C ACCEPT IN PRINCIPLE.	Variable name used in PICS does not match name in the rest of the document. SuggestedRemedy Replace: max_wait_timer With: maxwait_timer Proposed Response Response Status W PROPOSED ACCEPT.
In 96.3.2.4, add the following after the first sentence	C/         96         SC         96.10.4.4         P 80         L 21         # i-79           Wienckowski, Natalie         General Motors Comp         General Motors Comp <t< td=""></t<>
"The tx_symb_pair is the ternary pair (TAn, TBn)."         Cl 96       SC 96.2.6.1       P 35       L 22       # [i-76]         Wienckowski, Natalie       General Motors Comp         Comment Type       E       Comment Status       D	Comment Type       E       Comment Status       D         Variable name used in PICS does not match name in the rest of the document.         SuggestedRemedy         Replace:       min_wait_timer         With:       minwait_timer
Inconsistent variable name SuggestedRemedy Replace: The rx_symbol_vector With: The rx_symb_vector	Proposed Response Response Status <b>W</b> PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT.	

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CI <b>45</b>	SC 45.2.1.131	P 2	6	L <b>21</b>	# i-80	_
Wienckow	ski, Natalie	Gene	ral Moto	rs Comp		
			-	3bp as well. Cha	nge of register name	
Suggeste	dRemedy					
"1008 ii. Cha BASE iii. Ch to "Th iv. Ch to "45 v. Cha to "45 vi. Ch "45.2. vii. Ch	ASE-T1 PMA/PMI ange page 26, line -T1 PMA/PMD". ange page 26, line e assignment of bi ange page 26, line IA/PMD". ange page 26, line .2.1.131.1 BASE-T ange page 26, line 1.131.2 BASE-T1	ts in the BASE-T1 F 26, Table 45-98a ti 45, from "45.2.1.13 T MASTER-SLAVE	-T1 PMA 100BA PMA/PM itle rom ' 1.1 100E ". 31.2 100 ponfig".	VPMD control". SE-T1 PMA/PMI f bits in the 100F D". '100BASE-T1 PI BASE-T1 MASTI BASE-T1 MAST	D" To "45.2.1.131 BASE-T1 PMA/PMD" MA/PMD" to "BASE- ER-SLAVE manual" ER/SLAVE config" to	
Proposed	Response	Response Status	W			

PROPOSED ACCEPT.