C/ 00 SC 1.4.x P 20 L 29 # 1 Anslow, Pete Ciena	C/ 01 SC 1.4.x P 20 L 16 # 4 Anslow, Pete Ciena
Comment Type E Comment Status A EZ comma missing in "IEEE Std 802.3 96.4.4"	Comment Type E Comment Status A E For the definitions in 1.4 the colon at the end of the term to be defined should be bold. E
SuggestedRemedy Change to "IEEE Std 802.3, 96.4.4"	SuggestedRemedy Change the colons after 4B/3B and SYMB_ID to be bold font.
Response Response Status C ACCEPT.	Response Response Status C ACCEPT.
C/ 00 SC 0 P L # 2 Anslow, Pete Ciena Ciena	C/ 01 SC 1.4.x P 20 L 25 # 5 Anslow, Pete Ciena Ciena
Comment Type E Comment Status A EZ The convention for headings, table titles and figure titles in 802.3 is to capitalise only the first letter unless they contain a proper noun. EZ	Comment Type E Comment Status A E In the definition "1.4.x SYMB_1D", 96.2.5.1 and 96.2.6.1 should be cross-references SuggestedRemedy
SuggestedRemedy Correct the capitalisation of the titles of: 96.4.7, 96.5.4, 96.5.4.1, 96.7.1.1, 96.10.4.4, Annex 96A title, 96A.1, 96A.2	Make 96.2.5.1 and 96.2.6.1 cross-references Response Response Status
Response Response Status C	ACCEPT.
ACCEPT. C/ 01 SC 1.4.165 P18 L 30 # 3	C/ 01 SC 1.4.x P 20 L 16 # 6 Anslow, Pete Ciena Ciena Ciena Ciena
Anslow, Pete Ciena Comment Type E Comment Status A In the 802.3 revision D2.1 an additional definition for "Company Identifier (CID)" has been inserted as 1.4.162. This has had the effect of increasing the subclause number of	Comment Type E Comment Status A E The position for the new definitions should be defined so that the editor applying the amendment knows where they go and they should be given individual numbers so that they can be cross-referenced. E <
definitions that were 1.4.162 and higher by one. SuggestedRemedy Change the subclause number of all of the existing definitions being modified that have subclause numbers above 1.4.162 by one. This will result in "1.4.165 Control mode" becoming "1.4.166 Control mode" through to	SuggestedRemedy Change "1.4.x 100BASE-T1" to "1.4.16a 100BASE-T1" Change "1.4.x 4B/3B" to "1.4.87a 4B/3B" Change "1.4.x FORCE mode" to "1.4.221a FORCE mode" Change "1.4.x SYMB_1D:" to "1.4.392a SYMB_1D:"
"1.4.397 ternary symbol" becoming "1.4.398 ternary symbol". Response Response Status C ACCEPT IN PRINCIPLE.	Give each new definition its own Insert editing instruction. For example make the instruction for 100BASE-T1: Insert the following new definition into the list after 1.4.16 100BASE-T:
The P802.3bw draft Clause 1 will reflect work done in P802.3bx to match definition numbering.	Response Response Status C ACCEPT.

	C/ 45 SC 45.2.1.10 P 23 L 38 # 8 Anslow, Pete Ciena
Cl 01 SC 1.5 P 20 L 36 Inslow, Pete Ciena Comment Type E Comment Status A The convention used in 1.5 of 802.3 is that the expansion of abbreviations of case font except where the term is a proper noun. Also, bandwidth, electromagnetic and crosstalk are one word each not two. See http://www.ieee802.org/3/WG_tools/editorial/requirements/words.html f SuggestedRemedy Change the expansions to lower case (except for FEXT and NEXT). Change: "Electro Magnetic" to "electromagnetic" "Band Width" to "bandwidth" "Cross Talk" to "crosstalk" Response Response Status C ACCEPT.	 Comment Type TR Comment Status A er In register 1.11, there are only 5 reserved bits remaining. In order to make the best use of the remaining bits, recent projects have used them to "point" to another register for the individual PMD ability bits.
	Insert a new subclause 45.2.1.14b and subclauses after 45.2.1.14 for register 1.18 in a similar was as for register 1.13.
	Response Response Status C ACCEPT.

<i>CI 45</i> Anslow, Pe [:]	SC 45.2.1.10	P 23 Ciena	L 27	# 9		<i>CI</i> 96 Anslow, Pet	SC 96.1	.2	<i>P</i> 28 Ciena	L 33	# 12	
,		Comment Status A			EZ	,			Comment Status A			
		extended ability register bit	definitions shou	uld be Table 45-14	EZ	Comment T	<i>pe</i> E	"Clause				
Suggestedl	Remedy					SuggestedF Change	<i>emedy</i> to "Clause	e 22 MI	Ι"			
Change	e to Table 45-14					Response			Response Status C			
Response ACCEF	PT.	Response Status C				ACCEP	Т.					
C/ 45	SC 45.2.1.131	P 24	L 16	# 10		C/ 96	SC 95.5	.3	P 61 Ciena	L 14	# 13	
Anslow, Pe	te	Ciena				Anslow, Pet					_	
Comment 1	Type E	Comment Status A				Comment T			Comment Status A 19 "10K O" should be "1		_	Z
in the ta	ables of Clause 4	2.3bx D2.0 has changed th 15 to "Value always 0", whic "RW", which should be "R/	h is different fro			SuggestedF	Remedy				tands for capital omega	l
Suggestedl	Remedy					Response			Response Status C			
		Bb change "Ignore on read" 00.15 change "RW" to "R/V		s 0"		ACCEP	Т.					
Response		Response Status C				C/ 96	SC 96.5	.4.4	P 65	L 32	# 14	
ACCEF	PT.					Anslow, Pet	е		Ciena			
C/ 96	SC 96.1.1	P 28	L 1	# 11		Comment T		00 F /	Comment Status A		_	Z
Anslow, Pe	te	Ciena					the numb		96-6, 96-7, 96-8, 96-9, 9 "MHz"	90-10, and 90-11 the	ere are spaces missing	
Comment T	Гуре Е	Comment Status A				SuggestedF	emedy					
Recent remove		ot included a list of objective	s such as in 96.	1.1, so preferably					96-6, 96-7, 96-8, 96-9, 9 instances per equation		d a space between the	
	ot removed "ISO ces subclause 1.	16750" should be "ISO 167 .3 added for it	50" and there sh	nould be an entry in	the	Response ACCEP	Т.		Response Status C			
Suggestedl Either: remove	-											
or: change added f		ISO 16750" and add an ent	ry in the referen	ces subclause 1.3								
Response		Response Status C										
ACCEF	PT IN PRINCIPLE											
Remov	e 96.1.1											
COMMENT		d ER/editorial required GR patched A/accepted R/reje					J/unsatisfi	ed Z/w		nment ID 14	Page 3 of 20 3/12/2015 4:0)9:2(

SC 96.4.2 e ype E	P 55 Ciena Comment Status A	L 24	# 18	
ype E	Comment Status A			
				EZ
.1.7.4 is in the d	raft, this should be a cross-re	eference rather t	than green text.	
	ae 55 line 47)			
```	0, ,			
,				
	ao 55 lino 21)			
7.5 in 96.10.4.3 (	(Page 75, line 34)			
	.3 (Page 75, line 36)			
т	Response Status C			
1.				
SC 96.10.4.4	P 77	L 14	# 19	
		pm"		EZ
Remedy				
,	the next line			
	Response Status C			
т.				
	7.4 in 96.10.4.3 i 7.5 in 96.10.4.3 i 96-16 in 96.10.4 Remedy 7.4 in 96.4.2 (Pa 7.4 in 96.4.3 (Pa 7.4 in 96.10.4.3 i 7.5 in 96.10.4.3 i 96-16 in 96.10.4 Screferences T. SC 96.10.4.4 re Symbol should r Remedy	7.5 in 96.4.3 (Page 55, line 47)         7.4 in 96.10.4.3 (Page 75, line 31)         7.5 in 96.10.4.3 (Page 75, line 34)         96-16 in 96.10.4.3 (Page 75, line 36)         Remedy         92:         7.4 in 96.4.2 (Page 55, line 24)         7.5 in 96.4.3 (Page 75, line 36)         Remedy         92:         7.4 in 96.4.2 (Page 55, line 24)         7.5 in 96.4.3 (Page 75, line 31)         7.4 in 96.10.4.3 (Page 75, line 31)         7.5 in 96.10.4.3 (Page 75, line 34)         96-16 in 96.10.4.3 (Page 75, line 36)         5-references         Response Status         C         Status         Q         Status         Status         Response Status         Status         Response Status         Remedy         Net +/- symbol to the next line         Response Status         Response Status	7.5 in 96.4.3 (Page 55, line 47)         7.4 in 96.10.4.3 (Page 75, line 31)         7.5 in 96.10.4.3 (Page 75, line 34)         96-16 in 96.10.4.3 (Page 75, line 36)         Remedy         92:         7.4 in 96.4.2 (Page 55, line 24)         7.5 in 96.10.4.3 (Page 75, line 31)         7.5 in 96.4.3 (Page 55, line 24)         7.4 in 96.10.4.3 (Page 75, line 31)         7.4 in 96.10.4.3 (Page 75, line 31)         7.5 in 96.10.4.3 (Page 75, line 34)         96-16 in 96.10.4.3 (Page 75, line 34)         96-16 in 96.10.4.3 (Page 75, line 36)         s-references         Response Status         C         T.         SC 96.10.4.4         PT7         L 14         symbol should not be separated from "100 ppm"         Response Status         Comment Status         A         symbol to the next line         Response Status         C	7.5 in 96.4.3 (Page 55, line 47)         7.4 in 96.10.4.3 (Page 75, line 31)         7.5 in 96.10.4.3 (Page 75, line 34)         96-16 in 96.10.4.3 (Page 75, line 36)         Remedy         92:         7.4 in 96.4.2 (Page 55, line 24)         7.5 in 96.4.3 (Page 75, line 31)         7.5 in 96.4.3 (Page 55, line 24)         7.5 in 96.4.3 (Page 55, line 47)         7.4 in 96.10.4.3 (Page 75, line 31)         7.5 in 96.10.4.3 (Page 75, line 34)         96-16 in 96.10.4.3 (Page 75, line 34)         96-16 in 96.10.4.3 (Page 75, line 36)         s-references         Response Status C         T.         SC 96.10.4.4 P 77 L 14 # 19         ge         Comment Status A         symbol should not be separated from "100 ppm"         Response Status C         Remedy         he +/- symbol to the next line         Response Status C

C/ 96A SC 96A	P 80	L <b>1</b>	# 20	C/ 99	SC	P 11	L <b>22</b>	# 23			
Anslow, Pete	Ciena			Anslow, P	ete	Ciena					
	Comment Status A vrong draft number and the wror d not happen if the method used		ader.	conte	amendment inc nt of the amend	Comment Status A cludes [complete]" should be re iment	placed by a brie	f description of the			
SuggestedRemedy Make the headers co	nsistent throughout the draft.			Repla	SuggestedRemedy Replace "This amendment includes [complete]" with a brief description of the content o the amendment.						
Response ACCEPT IN PRINCIE	Response Status <b>C</b> PLE.			Response ACCE	9 EPT IN PRINCI	Response Status <b>C</b> PLE.					
Editor to follow up wit	emoved. See response to comr th commenter to make sure the consistant throughout draft.		nod is followed to	amen	amendment inc dment adds 10	cludes changes to IEEE Std 80 0 Mb/s Physical Layer (PHY) s tion on a single balanced twist	pecifications and	l management			
C/ 99 SC	P1	L1	# 21	C/ 99	SC	P 13	L 1	# 24			
Anslow, Pete	Ciena			Anslow, P	ete	Ciena					
	Comment Status A dment will be an amendment to actly reflected in the draft from participation		P802.3bx revision	headi <i>Suggeste</i>	able of contents ngs wrong) dRemedy	Comment Status A a does not reflect the contents of the properly. (I can help do this		E (page numbers wrong,			
Change the base_ye	ar variable in the frontmatter an	d TOC files to 2	01x	Response	,	Response Status C	• /				
Response ACCEPT.	Response Status C			ACCE							
CI 99 SC Anslow, Pete	P <b>10</b> Ciena	L <b>37</b>	# 22								
Comment Type E In "At the date of IEE	Comment Status A E Std 802.3xx-20xx publication.	", the "802.3xx	" should be "802.3bw"								
SuggestedRemedy Change "802.3xx" to	"802.3bw"										
Response ACCEPT.	Response Status C										

C/         96         SC         96.1.1         P 28         L 16           waoka, Mitsuru         Yokogawa Electric Cor	# 25	<i>C</i> / <b>96</b> Wu, Peter	SC 4.7.1	P <b>56</b> Marvell Semi	L <b>46</b>	# 27		
					conducto			
Comment Type T Comment Status A		Comment	51	Comment Status A with three possible values: RE		1		
ISO16750 is refered here, but not listed in 1.3 nor Annex.A.				ADY is never assigned in Fig	,			
SuggestedRemedy		diagra						
Add following document to Annex.A, and insert the references to the "ISO16750" in page 28, line 16.	ese documents after	Suggeste	dRemedy					
13010730 in page 20, inte 10.		Delete	e the value REA	DY from the definition.				
[B_] ISO 16750-2:2012, Road vehicles Environmental conditions	s and testing for	Response	•	Response Status <b>C</b>				
electrical and electronic equipment Part 2: Electrical [B_] ISO 16750-3:2012, Road vehicles Environmental conditions electrical and electronic equipment Part 3: Mechanical	s and testing for	ACCE	PT.	,				
Response Response Status C		C/ <b>96</b>	SC 2.1.2.1	P <b>30</b>	L <b>47</b>	# 28		
ACCEPT IN PRINCIPLE.	Wu, Peter		Marvell Semi	conducto				
		Comment	Type <b>TR</b>	Comment Status A				
See response to comment #11.				(link_status) is defined with th	ree possible valu	ues:		
C/ 96         SC 2         P 32         L 1           Nu, Peter         Marvell Semiconducto	# 26	READY, OK or FAIL However the value READY is never assigned in Figure 96-17-Link Monitor s diagram						
Comment Type TR Comment Status A		Suggeste	dRemedv					
Figure 96-3-100BASE-T1 PHY interfaces in draft 1.3 "Technology D	Dependent	Delete the value READY from the definition.						
Interface" was changed to "Technology Dependent Interface (Claus		Response		Response Status <b>C</b>				
however 100BASE-T1 does not interface to Clause 28 which require pairs.	es two twisted		PT IN PRINCIP	,				
SuggestedRemedy Remove reference to Clause 28.		Use c	ommenters suge	gested remedy.				
		Additi	onally, Change					
Response Response Status C		"The I		neter can take on one of three	e values: FAIL, R	EADY, or OK."		
ACCEPT IN PRINCIPLE.		to "The l	ink status parar	neter can take on one of two		)K "		
Remove the "Clause 28" reference from Figure 96-2, 96-3, and 96-	13	inei	nik_status palal	neter can take on one of two	values. FAIL OF C	//\.		

C/ 96 SC 3.3.4	P <b>52</b>	L 18	# 29	C/ 96 SC 6	P 67	L <b>24</b>	# 32
Vu, Peter	Marvell Semi	conducto		Wu, Peter	Marvell Sem	iconducto	
Comment Type TR Cor	nment Status A			Comment Type TR	Comment Status R		
"Furthermore, it also changes TBn)." We have a requiremen "optional". Is this a suggestion	t on the transmitter pla	ace in a section r		1.2102. It is not cle	egister space was defined for th ar which previously defined regi also apply or do not apply to 1	sters (like 1.1.2	IY, 1.2100 to
SuggestedRemedy				SuggestedRemedy			
Change text to:				Insert a table listing	g Clause 45 registers associated	l with 100BASE-1	⁻1.
"Furthermore, it shall invert its	<b>e</b> (	TAn, TBn)."		Response	Response Status C		
	oonse Status C			REJECT.			
ACCEPT IN PRINCIPLE.	emedy.			CL96 uses all CL4 such a table.	5 registers that are not PMD spe	cific. No other PN	MD clauses specify
Additionally, add a PIC for this	requirement.			C/ 96 SC 3	P 53	L <b>1</b>	# 33
C/ 45 SC 2.1.131	P 24	L 12	# 30	Wu, Peter	Marvell Sem	iconducto	
Nu, Peter	Marvell Semi			Comment Type TR	Comment Status A		
Comment Type <b>TR</b> Cor change RW to R/W SuggestedRemedy	nment Status A			list at 96A.1 set as at normal mode, bu	is normatively required. At D1.3, informative . We understand the ut it is very useful for host side d bit for it and have PCS loopback	loopback is not ebug. And MII an	required
change RW to R/W				SuggestedRemedy			
-	oonse Status C				96.3.4 as PCS management, ar section. Use Register bit 3.0.14 ode.		
See response to comment #1	).			Response	Response Status C		
•				ACCEPT IN PRINC	CIPLE.		
C/ 96 SC 1.2 Nu, Peter	P <b>28</b> Marvell Semi	L <b>32</b> conducto	# 31	see comment #37.			
Comment Type E Cor missing space Clause 22MII	nment Status A						
SuggestedRemedy Change to "Clause 22 MII"							
Response Res	oonse Status C						
See the response to comment	#10						
See the response to comment	$\pi_1 \mathbf{Z}$ .						

C/ 96	SC 96.5.5.3	P 66	L <b>45</b>	# 34	C/ <b>96</b>	SC 96	.4.7.1	P <b>56</b>	L <b>45</b>	# 35	
Zimmerma	an, George	CME Consulti	ng, Inc.		Zimmerman, George CME Consulting, Inc.						
Comment	Type <b>TR</b>	Comment Status A			Comment	Туре	TR	Comment Status A			
chara specs	cteristics of test ca ?), distance from	-specified. Multiple defects e able is not specified (is it wor injection point to receive MD s not identified (note, genera	st-case meeting I is not specified,	the link segment interface at which bit	96.2. state	I.2 also sa diagrams	ys REA	nconsistent. This section DY, OK or FAIL, 96.3.2.3 e value READY being set	1 says READY or	-	
		urther, reiterating earlier com		2	Suggeste						
	y signal which do produces a more	es not adequately represent t Gaussian noise.	the result of alier	n crosstalk coupling,				96.4.7.1 and 96.2.1.2 ate diagram where ready	is set)		
Suggested	dRemedy				Response	<del>;</del>		Response Status C			
Fully	specify intended to	est, including specify transmi	ssion characteris	stics of link segment,	ACCI	EPT IN PR	INCIPLI	Ξ.			
		me error rate and packet size BASE-T1 transceiver with gau			See r	esponses	to comn	nents #27 & #28.			
Response		Response Status <b>C</b>			C/ <b>96</b>	SC 96	.3.2.4.2	P 44	L <b>42</b>	# 36	
	PT IN PRINCIPL	,			Zimmerm	an, Georg	Э	CME Cons	ulting, Inc.		
ACCL		L.			Comment	Туре	TR	Comment Status A			
chang to "Th		UT is connected to a 100BA connected to a 100BASE-T1			from			ined. States "shall confo 3.1.3.3" , but doesn't add			
	66 line 2				Suggeste	dRemedy					
Add a Also a	t the end of parag dd after "The BE	raph " The noise is added at R shall be less than 10–10."	the following			e "when aj natively, sj	•	e". e excluded cases)			
		II be satisfied by a frame erro AC/PLS service interface."	r ratio less than	10-7 for 125 octet	Response ACCI	e PT IN PR	INCIPLI	Response Status <b>C</b> =.			
In add	lition, a noise sou	rce with Gaussian distribution	n and bandwith o	of 50 MHz and	D						

Remove "when applicable".

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

magnitude of -85 dBm/Hz is considered. This text will be added to 96.5.5.3.

Modify text in Figure 96-24 to read:

100BASE-T1 compliant transmitter sending idles nonsynchronous to the transmitter under test or Gaussian signal generator

Noise Source

CI 96	SC 96.5.6	P 67	L <b>22</b>	# 37
Chini, Ah	imad	Broadcom		

Comment Type T Comment Status A

There were suggestions to make the loop back tests normative.

#### SuggestedRemedy

1- Move the material in Annex 96A to page 67 line 22 under new sub clause 96.5.6. Then remove Annex 96A

2- For the new sub caluse "96.5.6 System level test modes" modify the fisrt sentence to read;

"The 100BASE-T1 PHY shall support two loopback test modes to assist the MAC in testing PHY functionality without the need to have a link partner.

3- Extend the pics to include support for these two test modes.

4- Assign Clause-45 registers to enable these two test modes.

Response Status C

#### Response

ACCEPT IN PRINCIPLE.

Insert new subclause 96.3.4 as PCS Loopback

#### "96.3.4 PCS Loopback

The PCS shall be placed in loopback mode when the loopback bit in MDIO register 3.0.14 is set to a one. In this mode, the PCS shall accept data on the transmit path from the MII and return it on the receive path to the MII. Additionally, the PHY receive circuitry shall be isolated from the network medium, and the assertion of TX_EN at the MII shall not result in the transmission of data on the network medium."

Move Fig 96A-1 to section 96.3.4

Move 96A.2 to to new subclause "96.5.6 PMA Loopback Test Mode" Delete subclause 96A.

#### Change:

"When the PHY is in the external loopback test mode (may also be called loopback at PMA Receive/transmit), the PMA Receive function utilizes the echo signals from the unterminated MDI and decodes these signals to pass the data back to the MII Receive interface. The data flow of the external loopback is shown in Figure 96-xx (was 96A-2)." to:

"The PMA shall be placed in local loopback mode when the PMA local loopback bit in MDIO register 1.0.0 is set to a one. When the PHY is in the PMA local loopback mode the PMA Receive function utilizes the echo signals from the unterminated MDI and decodes these signals to pass the data back to the MII Receive interface. The data flow of the external loopback is shown in Figure 96-xx (was 96A-2)."

Extend the PICS to include requirement for these two test modes.

Update Clause 45 register descriptions to enable these two test modes for 100BASE-T1. PMA local loopback (1.0.0) PCS Loopback (3.0.14)

Give editor license to modify Cl 45 and 96 to describe the use of these register bits.

CI <b>96</b>	SC OC E	.6 P 65	L 27	# 20
Chini, Ahma	SC 96.5.4	Broadcoi		# 38
			11	
Comment 7 Missing		Comment Status A eak transmit signal level		
Suggested	•		0 aa aiwaa ia akiai	
	w sub claus	e 96.5.4.6 on page 65 line 2	2 as given in chini_	30w_09_032015.pdf
Response ACCEF	PT.	Response Status C		
C/ 96	SC 96.8.		L 17	# 39
Chini, Ahma	ad	Broadcor	m	
Comment 7 Missing		Comment Status A MDI fault tolerance		
Suggestedl Add ne Response	-	e 96.8.3 on page 70 line 17 Response Status <b>C</b>	as given in chini_3t	ow_09_032015.pdf
ACCEF	۲.			
CI 96	SC 96.8.2	-	L 16	# 40
Chini, Ahma	ad	Broadcor	m	
Comment 7 Missing		Comment Status A		
Suggestedl Add ne	-	e 96.8.2.2 on page 70 line 1	6 as given in chini_	3bw_09_032015.pdf
Response	T IN PRINC	Response Status C	-	
ACCEF				

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/ <b>96</b> SC <b>96.5.4.4</b> Chini, Ahmad	P <b>64</b> Broadcom	L <b>21</b>	# 41		C/ <b>96</b> Chini, Ahm		96.3.1.1	P <b>49</b> Broadcom	L <b>47</b>	# 44
SuggestedRemedy	Comment Status A l be "pseudo-random", same n" to "pseudo-random" on pa Response Status C	1 0	).	EZ	mii_fc_ pcs_rx pcs_rx receivi	g value _err (line <_er (line <_dv (line ing (line o_detec	e 47) e 50) e 51) 52) ted (page	<i>Comment Status</i> <b>A</b> for Variables below: 50, line 1)		
C/ 96 SC 96.1.1 Chini, Ahmad Comment Type E "100ms" should be "100 SuggestedRemedy Change "100ms" to "100 Response ACCEPT.		L 18	# <u>42</u>	EZ	1. at pa 2. at pa 3. at pa 4. at pa 5. at pa <i>Response</i> ACCEI	age 49   age 49   age 49   age 49   age 50   PT IN P	line 47, in: line 50, in: line 51, in: line 53, in: line 1, inse RINCIPLE 3.3.1.1, n	Sert "Values: TRUE or FALSE" Sert "Values: TRUE or FALSE" Sert "Values: TRUE or FALSE" Sert "Values: TRUE or FALSE" Part "Values: TRUE or FALSE" Response Status C E. ot 96.3.1.1.		# 45
Cl 96 SC 96.9 Chini, Ahmad Comment Type TR Delay constraint for TX a SuggestedRemedy Change "240 ns" to "360 Change "780 ns" to "960 Response ACCEPT.		L <b>21</b> lated.	# <u>43</u>		Chini, Ahm Comment incorre examp be 1.4. It was accord Suggested Chang Chang	nad <i>Type</i> ect subcole, "cod .157 in p correct ling to th <i>IRemed</i> te "1.4.1 pe "1.4.1 c. until p <i>Respon</i>	ER lause nun e-group" : page 18 li in D1.2. N ne D1.2. y 50 code-g 65 Contro page 19 lin	Broadcom Comment Status D ber for the title from page 17 li should be 1.4.142 in page 18 lin	ne 21 to page ne 21 and the 17 line 21 to	e 19 line 10. For e "Control mode" should
					This co	omment	was WIT	HDRAWN by the commenter.		

Cl 96 SC 96.3.2.2 Chini, Ahmad	P <b>38</b> Broadcom	L <b>39</b>	# 46	Cl 96 SC 96.5.4.4 Chini, Ahmad	P <b>64</b> Broadcom	L <b>28</b>	# 49
Comment Type ER keep consistent format	Comment Status A for value of ternary symbol			<i>Comment Type</i> <b>TR</b> There is an error in swo	Comment Status A eep time. It says ">1 s", where it	should have	said ">1 min"
SuggestedRemedy Change "(-1, 0, 1)" to "{-1, 0, or 1}"				SuggestedRemedy Change "1> s" to ">1 n Response ACCEPT IN PRINCIPL	Response Status C		
Response ACCEPT.	Response Status C			Change ">1 s" to			
Cl 96 SC 96.3.1.1 Chini, Ahmad	P <b>50</b> Broadcom	L <b>4</b>	# 47	">60 s" C/ 96 SC 96.5.4.4	P 64	L <b>29</b>	# 50
Comment Type ER typo for sychronous SuggestedRemedy Change "sychronous" to	Comment Status A			Chini, Ahmad Comment Type E A period is missing at t SuggestedRemedy Add a period on page 6			
"synchronous" <i>Response</i> ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
Cl 96 SC TOC Chini, Ahmad Comment Type ER Page 12 in the documen SuggestedRemedy Renumber document pa Response ACCEPT IN PRINCIPLE	ages. Response Status <b>C</b>	L	# <u>48</u>	C/ 01 SC 1.4.171 Chini, Ahmad Comment Type ER TXD<3:0> should be re SuggestedRemedy Change "octets" to "nib Response ACCEPT.	P 18 Broadcom Comment Status A effered to as nibbles, not octets. bbles" Response Status C	L <b>48</b>	# <u>51</u>

See the response to comment #76.

C/ <b>96</b> SC <b>96.1.2</b> Chini, Ahmad	P <b>27</b> Broadcom	L 31	# 52	Cl 96         SC 96.4.7.1         P 56         L 40         # 55           Estes, Dave         Spirent Communicatio         Spirent Communicatio         Spirent Communicatio
Comment Type <b>ER</b> Typo in the text. SuggestedRemedy	Comment Status A			Comment Type <b>T</b> Comment Status <b>A</b> The definitions for the varibles config and tx_mode should not have been deleted. These variables are set by the PMA and used by the PCS. See the similar defitions in Clause 40 as a reference.
Change "100BASE-T1"	to "100BASE-TX"			SuggestedRemedy
Response	Response Status C			Add the definitions for config and tx_mode.
ACCEPT.				Response Response Status C
C/ 96 SC 96.3.2.3.3	P <b>43</b> Spirent Comm	L 42	# 53	ACCEPT IN PRINCIPLE. 1) Page 55 line 41, add the following definition:
uggestedRemedy	Comment Status A D belongs in the Receive Fun RSPCD to Subclause 96.3.3.7 Response Status C			"config The PMA shall generate this variable continuously and pass it to the PCS via the PMA_CONFIG.indication primitive. Values: MASTER or SLAVE" 2) Page 57 line 38, add the following definition: "tx_mode PCS Transmit sends code-groups according to the value assumed by this variable. Values: SEND_N: This value is continuously asserted when code-group sequences representing a PCS code-group in PCS transmit function, control information, or idle mode
7 96 SC 96.4.7.1 stes, Dave	P 58 Spirent Comm	L <b>35</b> unicatio	# 54	are transmitted. SEND_I: This value is continuously asserted when transmission of sequences of code- groups representing the idle mode is to take place. SEND_Z: This value is asserted when transmission of zero code-groups is to take place."
Comment Type E The "NOT OK" value fo	Comment Status A or scr_status was deleted			C/ 96 SC 96.4.7.1 P 56 L 40 # 56
SuggestedRemedy				Estes, Dave Spirent Communicatio
Add the "NOT_OK" valu	e for scr_status.			Comment Type T Comment Status A
Response ACCEPT IN PRINCIPLE	Response Status <b>C</b> E.			The definitions for the varibles tx_enable should not have been deleted. These variables are set by the PCS and used by the PMA. See the similar defitions in Clause 40 as a reference.
Page 57 line 38, insert "NOT_OK: The descran	nbler is not synchronized."			SuggestedRemedy Add the definition for tx_enable
				Response Response Status C ACCEPT IN PRINCIPLE.
				Page 57 line 38, add the following definition: "tx_enable The tx_enable parameter generated by PCS Transmit as shown in Figure 96-8. Values: TRUE or FALSE."

C/ 01 SC 1.4.325								
	P 19	L <b>12</b>	# 57		C/ 01 SC 1.5	P 20	L <b>39</b>	# 60
stes, Dave	Spirent Commur	licatio			Estes, Dave	Spirent Comm	iunicatio	
Comment Type E Comment S Type, "lause" should be "Clause"	Status A			EZ	Comment Type E Electromagnetic is one	Comment Status A		
SuggestedRemedy					SuggestedRemedy			
Change "lause" to "Clause"					Change "Electro Magn	etic" to "Electromagnetic"		
Response Response S ACCEPT.	Status C				Response ACCEPT IN PRINCIPL	Response Status <b>C</b> E.		
C/ 01 SC 1.4.326	P 19	L <b>21</b>	# 58		See the response to co	omment #7.		
stes, Dave	Spirent Commur	nicatio			C/ 01 SC 1.5	P <b>20</b>	L 46	# 61
omment Type E Comment S	Status A			ΕZ	Estes, Dave	Spirent Comm	nunicatio	
Type, there should be a comma separ	arating Clause 65	and Clause 66.						
uggestedRemedy	Ū				Comment Type E Bandwidth is one word	Comment Status A		
Insert a comma between Clause 65 a	and Clause 66				SuggestedRemedy			
Pesponse Response S	Status C					DW and VDW abanga "Band"		
					In the definitions for RE		vvidtn to Bandw	/idth"
						BW and VBW, change "Band	width to Bandw	/idth"
ACCEPT.					Response	Response Status C	whath to Bandw	<i>i</i> idth"
ACCEPT.	P 20	L 19	# 59			Response Status C	width to Bandw	<i>i</i> idth"
ACCEPT.	P 20 Spirent Commur	-	# 59		Response ACCEPT IN PRINCIPL	Response Status <b>C</b> E.	wiath to Bandw	idth"
ACCEPT.	Spirent Commun	-	# 59	EZ	Response ACCEPT IN PRINCIPL See the response to co	Response Status C E. pomment #7.		
ACCEPT. 01 SC 1.4.x stes, Dave	Spirent Commur Status A	-	# 59	EZ	Response ACCEPT IN PRINCIPL See the response to co C/ 01 SC 1.5	Response Status C LE. pomment #7.	L 50	# <mark>62</mark>
ACCEPT. <b>01</b> SC <b>1.4.x</b> Stes, Dave <i>comment Type</i> <b>E</b> Comment S Typo, remove "the" before "100BASE	Spirent Commur Status A	-	# 59	EZ	Response ACCEPT IN PRINCIPL See the response to co Cl 01 SC 1.5 Estes, Dave	Response Status C E. omment #7. P 20 Spirent Comm	L 50	
ACCEPT. <b>01</b> SC <b>1.4.x</b> ttes, Dave <i>comment Type</i> <b>E</b> Comment S Typo, remove "the" before "100BASE uggestedRemedy	Spirent Commur Status <b>A</b> E-T1	nicatio		EZ	Response ACCEPT IN PRINCIPL See the response to co C/ 01 SC 1.5	Response Status C LE. pomment #7.	L 50	
ACCEPT. <b>/ 01</b> SC <b>1.4.x</b> stes, Dave <i>omment Type</i> <b>E</b> Comment S Typo, remove "the" before "100BASE <i>uggestedRemedy</i> Change "technique used by the 100B.	Spirent Commur Status A E-T1 BASE-T1" to "techr	nicatio		EZ	Response ACCEPT IN PRINCIPL See the response to co Cl 01 SC 1.5 Estes, Dave	Response Status C E. omment #7. P 20 Spirent Comm	L 50	
ACCEPT. <b>01</b> SC <b>1.4.x</b> stes, Dave <i>comment Type</i> <b>E</b> Comment SC Typo, remove "the" before "100BASE uggestedRemedy Change "technique used by the 100B. esponse Response S	Spirent Commur Status A E-T1 BASE-T1" to "techr	nicatio		EZ	Response ACCEPT IN PRINCIPL See the response to co C/ 01 SC 1.5 Estes, Dave Comment Type E Crosstalk is one word	Response Status C E. omment #7. P 20 Spirent Comm	L 50	
ACCEPT. <b>01</b> SC <b>1.4.x</b> stes, Dave <i>comment Type</i> <b>E</b> Comment S Typo, remove "the" before "100BASE <i>uggestedRemedy</i> Change "technique used by the 100B.	Spirent Commur Status A E-T1 BASE-T1" to "techr	nicatio		EZ	Response ACCEPT IN PRINCIPL See the response to co C/ 01 SC 1.5 Estes, Dave Comment Type E	Response Status C LE. comment #7. P 20 Spirent Comm Comment Status A	L 50	
ACCEPT. <b>01</b> SC <b>1.4.x</b> stes, Dave <i>comment Type</i> <b>E</b> Comment S Typo, remove "the" before "100BASE uggestedRemedy Change "technique used by the 100B. esponse Response S	Spirent Commur Status A E-T1 BASE-T1" to "techr	nicatio		EZ	Response ACCEPT IN PRINCIPL See the response to co Cl 01 SC 1.5 Estes, Dave Comment Type E Crosstalk is one word SuggestedRemedy Change "Cross Talk" to	Response Status C LE. comment #7. P 20 Spirent Comm Comment Status A	L 50	
ACCEPT. <b>01</b> SC <b>1.4.x</b> stes, Dave <i>comment Type</i> <b>E</b> Comment S Typo, remove "the" before "100BASE uggestedRemedy Change "technique used by the 100B. esponse Response S	Spirent Commur Status A E-T1 BASE-T1" to "techr	nicatio		EZ	Response ACCEPT IN PRINCIPL See the response to co Cl 01 SC 1.5 Estes, Dave Comment Type E Crosstalk is one word SuggestedRemedy	Response Status C LE. comment #7. P 20 Spirent Comm Comment Status A	L 50	

C/96 S	SC 96.3.2.2.2	P 39	L 26	# 63	C/ 96	SC 9	6.3.2.3.1	P <b>41</b>	1	L 23	# 64
stes, Dave		Spirent Co	mmunicatio		Estes, Dav	/e		Spirent	Communica	tio	
Comment Type	e TR	Comment Status A			Comment	Туре	Е	Comment Status	A		
and a fram	ne is illustrated	ncorrectly changed to "fra I in Subclause 3.1.1 Figu	re 3-1. A packet in	cludes Preamble and				l in the proper place. b_vector, and RXD a			
		in this clause because st et (not a frame) is not a n		added when the	Suggested	lRemedy	/				
uggestedRen					Move	or remov	ve these de	efinitions			
		frame to packet in Subcla	auses 96.3.2.2.2. 9	6.3.2.3. 96.3.2.4.10.	Response			Response Status	C		
	6.3.3.2, and 9		, .	,	ACCE	PT IN PI	RINCIPLE				
Response       Response Status       C         ACCEPT IN PRINCIPLE.       Change       *         " As shown in Figure 96–6b and Figure 96–6c, when the number of bits of a frame is not multiple of three, the 4B/3B conversion shall append stuff bits to the end of a frame (1 or 2 bits), and correspondingly, the tx_enable signal remains TRUE until all the bits in a frame				2) Pag 3) Pag 4) Pag 5) Pag	je 40 line je 40 line je 42 line je 42 line	es 50 and es 52 and e 1 and 2, e 6 , move	ove "RAn" definition. 51: Remove "rem_rc 53: remove "rxerror_ move "RX_DV" and ' "RXD" definition to p 5, move "rx_symb_ve	status" defini 'RX_ER" def age 49 line 3	tion. initions to 35.		
		if applicable) are rate co			C/ 96	SC 9	6.1.2	P 27		L 32	# 65
to					Amason, E	Dale		Freesc	ale		
to " As shown in Figure 96–6b and Figure 96–6c, when the number of bits of a packet is not multiple of three, the 4B/3B conversion shall append stuff bits to the end of a packet (1 or 2			Comment Need		E etween Cla	Comment Status	A				
bits), and o (appended	corresponding	ly, the tx_enable signal re if applicable) are rate co IAC Frame as specified in	emains TRUE until inverted. Note, a pa	all the bits in a packet	Suggested Chang	,		o "Clause 22 MII"			
		enters suggested remedy		to "packet" in the	Response Response Status C ACCEPT IN PRINCIPLE.						
subclauses	s listed.				See th	e respor	nse to com	nment #12.			
					<i>CI <b>96</b></i> Amason, E		6.3.2.3	P <b>39</b> Freesc		L 32	# 66
			<i>Comment</i> Figure		<b>E</b> 96-6b, 96	Comment Status		2.2.2 whe	re they are reference		
					Suggested Move			bclause 96.3.2.2.2			
					Response ACCE			Response Status	С		

Cl 96 SC 96.3.2.4 Amason, Dale	P <b>43</b> Freescale	L <b>34</b>	# 67	C/ 96 SC 96 Amason, Dale	5.5.4.3 P 64 Freescale	L 16	# 70
(Helvetica/Arial). SuggestedRemedy	Comment Status A vith different type face (Times F to be consistent with documer Response Status C	,	er figures in documer	t Figure 96-22 dra SuggestedRemedy	E Comment Status A awn with Times Roman font instead to be consistent with other figures. Response Status C	of Helvetica.	
<i>Cl</i> <b>96</b> <i>SC</i> <b>96.4.1</b> Amason, Dale	P <b>53</b> Freescale	L <b>4</b>	# 68	Cl 95 SC 96 Dawe, Piers Comment Type	5.5.1.1 P 58 Mellanox TR Comment Status A	L 17	# 71
SuggestedRemedy	Comment Status A in Figure 96-13 is not highlight nsistent with other figures. Response Status C .E.	ed in green as in		tested according to do, not how to tested, which is and every PMA'	sensitivity of the PMA's receiver to ra g to". This isn't a test spec: an 802 o make it do it. It's OK to require tha actually what matters, but not to req s receiver would not be cost-effectiv ivalent problem in 96.5.1.2.	2.3 standard spe- tt a thing should uire the testing.	cifies what a thing has pass a test if or when
	ce is deleted per comment #26			The sensitivity of according to	of the PMA's receiver to radio frequent	ncy CM RF noise	e shall be tested
Cl 96 SC 96.5.3 Amason, Dale Comment Type E Figure 96-20 is drawn SuggestedRemedy	P 61 Freescale <i>Comment Status</i> A with Times Roman type instea	L 10 d of Helvetica.	# 69	EZ specifications of Or if the spec lin The sensitivity of specifications gi	of the PMA's receiver to radio frequent f??? if tested according to nits are in the same document, it ma of the PMA's receiver to radio frequent iven in change in 96.5.1.2	y be possible to	simplify this to:
Redraw with Helvetica	type to be consistent with othe	er figures in docu	ment.	Response	Response Status W		
Response ACCEPT.	Response Status C			ACCEPT IN PR See response to	,		

C/ 96	SC 96.5.1	P 8	L <b>8</b>	# 72
Dawe, Pie	rs	Mellanox		

# Comment Type TR Comment Status A

This says "A system integrating the 100BASE-T1 PHY shall comply with applicable local and national codes, or as agreed between customer and supplier, for the limitation of electromagnetic interference." I don't believe that's feasible: this is supposed to be a standard, not a procurement spec nor an offer for sale. No "customer" or "supplier" are identified. All the standard can do is require what the system integrating the 100BASE-T1 PHY shall do, and it has to do that pretty much universally. In this case regional variations may be allowed, but those variations are public knowledge, and the same for all. Of course there can be particular customer requirements, but they must be outside this document.

### SuggestedRemedy

Delete "or as agreed between customer and supplier" Also in 96.5.1.1 and 96.5.1.2.

Response Response Status W

ACCEPT IN PRINCIPLE.

# In 96.5.1,

#### Change

"A system integrating the 100BASE-T1 PHY shall comply with applicable local and national codes, or as agreed between customer and supplier, for the limitation of electromagnetic interference."

#### to

"A system integrating the 100BASE-T1 PHY shall comply with applicable local and national codes. In addition, the system may need to comply with more stringent requirements as agreed upon between customer and supplier, for the limitation of electromagnetic interference."

## In 96.5.1.1,

#### Change

"The sensitivity of the PMA's receiver to radio frequency CM RF noise shall be tested according to the Direct Power Injection (DPI) method of IEC 62132-4, and comply with test limits agreed between customer and supplier."

## to

"The sensitivity of the PMA's receiver to radio frequency CM RF noise may be tested according to the Direct Power Injection (DPI) method of IEC 62132-4, and may need to comply with more stringent requirements as agreed upon between customer and supplier."

## In 96.5.1.2,

### Change

"The emission of the PMA transmitter to its electrical environment shall be tested according to the 150 Ohm direct coupling method of IEC 61967-4, and comply with test limits agreed between customer and supplier."

to

"The emission of the PMA transmitter to its electrical environment may be tested according to the 150 Ohm direct coupling method of IEC 61967-4, and may need to comply with more stringent requirements as agreed upon between customer and supplier."

### Note: Use Ohm symbol, not "Ohm" word.

C/ 96	SC 96.5.3	P 60	L 37	# 73
Dawe, Pier	S	Mellanox		

Comment Type TR Comment Status A

This isn't a test spec so it can't say that any test fixture "shall be used".

## SuggestedRemedy

In "The fixtures shown in Figure 96–18, Figure 96–19, and Figure 96–20, or their equivalents, shall be used...", change "shall" to "are". Doing so doesn't weaken compliance because there is another "shall" in 96.5.4 and more in e.g. 96.5.4.1, but you could have text in 96.5.4 like:

The transmitter shall meet the requirements of this section if measured with the appropriate test fixture specified in 96.5.3.

Response		Response Status W			
ACC	EPT.				
C/ 96	SC 96.5.3	P 60	L 37	# 74	
Dawe. Pie	ers	Mellanox			

# Comment Type TR Comment Status R

We don't give tolerances for VNA impedance, voltage limits and so on. This case isn't different. Although +/-1% is good advice to a test fixture builder, it's not this standard's problem - because this isn't a test spec.

See 1.2.6, Accuracy and resolution of numerical quantities

"Unless otherwise stated, numerical limits in this standard are to be taken as exact, with the number of significant digits and trailing zeros having no significance."

# SuggestedRemedy

If we don't give a tolerance, the limit is exact. We are saying what the e.g. droop should be if measured with an infinitely accurate test fixture as well as the infinitely linear voltmeter that's already implied in 96.5.4.1. Of course neither test fixture nor voltmeter are perfect - those doing the test know that and can give the tolerances of their measurements in test reports, if it matters.

#### Response Response Status W

#### REJECT.

The text that the commenter is referring to was not changed in this draft. The commenters similar comment was responded in D1.2 (comment #599). That response is still valid.

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 74

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C/ <b>96</b>	SC 96.5.4.3	P 64	L <b>48</b>	# 75	C/ 30	SC 30.5.1.1.4	P <b>21</b>	L <b>45</b>	# 78
Dawe, Pier	ſS	Mellanox			Thompson	, Geoff	GraCaS	IS.A.	
Comment	Type <b>TR</b>	Comment Status A			Comment	Type ER	Comment Status A	L .	
interva require above: Suggesteo Chang	ul" This is off to ement - only the : "When in test n <i>IRemedy</i> le:	r measurements, the RMS val opic, because this isn't a test compliance is. The "shall" tha node 2, JTXOUT shall be	spec and the me at the section ner eless than 50 ps	asurement is not a eds is already in place ."	30.5.1 Insert follows BEHA For 10	: VIOUR DEFINED	raph in BEHAVIOUR		
to:		e measured over an interval o		ms	The st	re 96-17 (which is ates specifically ar			
	IS value is defin	ed over an interval of not less	than 1 ms			DOWN ERESIS			
Response ACCE	PT.	Response Status W			LINK				
Cl <b>00</b> Thompson Comment		P 0 GraCaSI S.A. Comment Status A	L 12	# [76	Are we define If we a	e supposed to creat d the mapping? If re supposed to ma	so then these have n	nt) enumerations just I ot yet been specified. above to existing syn	because you have not tax enumerations then
of the inserte Suggested	document. Plea ed here and was IRemedy	ssing. This throws off the ma se fix. I suspect that the print forgotten as the document wa est table chart at this location.	er test table was	supposed to be	LÍNŘ I HYST	esses would be that DOWN would map	to: not available p to: other or unknowr	n (I'm not sure pick on	e)
Response ACCE	PT.	Response Status C			Appro the ed		t should be generated	by the CRG so that th	he final text is not up to
C/ 01	SC 1.4xx	P 19	L 27	# 77	Response		Response Status C	;	
hompson		GraCaSI S.A.	L <b>Z I</b>	# 11	ACCE	PT IN PRINCIPLE			
Comment The ne It is a f used fo	<i>Type</i> <b>ER</b> w definition of F function that mig or 1000BASE-T ²	Comment Status A ORCE mode is too specific to ht well be used in any set of li 1. Change the wording to mak lieve that the specific clause r	nk partners and e it more genera	Ily applicable. With	diagra to "For 1	00BASE-T1 PHYs m Figure 96–17." 00BASE-T1, a link	the enumerations ma _status of OK maps to enumeration 'not ava	o the enumeration 'ava	he link monitor state ailable'. All other states
Suggested	•								
FORČ SLAVE		Y initialization procedure used achieve link acquisition betwee							
Response		Response Status C							
ACCE	PT.								
COMMEN		ed ER/editorial required GR/g spatched A/accepted R/reject ID				U/unsatisfied Z/w		omment ID 78	Page 17 of 20 3/12/2015 4:09:

hompson, Geoff	P 75	L <b>40</b>	# 79	C/ <b>96</b>	SC 96.5.3	P <b>59</b>	L 38	# 80
ommont Turno TD	GraCaSI S.A.			Thompsor	n, Geoff	GraCaS	SI S.A.	
omment Type <b>TR</b> C	Comment Status A			Comment	Type ER	Comment Status	4	
PME6 There should be sp Value/Comment field of this		rd the value "N	" used in the		e may be passiv	ve components between		g as 100BASE-T1 PH
uggestedRemedy				transr	nitter specificati	on compliance can be at	tained at the MDI."	
Add text something like: Value of "N" used ()	Cisture <b>C</b>			encor	npassed within	that the PHY contains no a silicon chip. Such is no to the next layer up. Wh	ot the case. The PHY	is everything behind
esponse Re ACCEPT IN PRINCIPLE.	esponse Status C					ementation decision.		
				Suggeste	dRemedy			
In 96.5.2, Change					00BASE-T1 PH t delete the sent	Y transmitter specification sence entirely.	on compliance point i	s at the MDI.
"The value of N shall be cho sequence is repeated contir				Response	,	Response Status	C	
40 symbols (symbol period	of 600 ns) would transmit a			ACCE	PT IN PRINCIP	LE.		
a 500 ns droop measureme to	nt."			Remo	Ne			
"The value of N shall be a n greater than 500 ns. This se	equence is repeated contin	ually. For exam	nple, a PHY with test	"There	e may be passiv	ve components between on compliance can be at		g as 100BASE-T1 PH
mode 1 enabled and N = 40 sufficiently long enough for			d transmit a pattern	C/ 00	SC 00	P1	L1	# 81
sumplementary long chough long				Grow, Bot			onsulting	# 01
In 96.10.4.4, Change "Transmit N "+1" symbols				Comment	Type ER	Comment Status	۵.	
followed by N "-1" sym- bols	s. The value of N shall					es this will be an amendr		et the response to initia
be chosen such that N syml	loc					indicated the amendmer		
period is greater than 500 ns"				Suggeste	dRemedy			
to				is the		hroughout document (titl ndication of a yet to be a		
"Transmit N "+1" symbols followed by N "-1" sym- bols	c. The value of N (minimu	n of 34) chall		Response	,	Response Status	C	
be chosen such that N syml	(	11 01 34) Shali		ACCE	PT IN PRINCIP	PLE.		
				See th	ne response to o	comment #21.		

C/ 00         SC 00         P 12         L 1         #           Grow, Bob         RMG Consulting	2 C/ 30 S Grow, Bob	SC 30.5.1.1.4	P RMG Consi	<i>L</i> ulting	# 85
Comment Type ER Comment Status A There is no document page 12 thus continuing the confusion of PDF page or page number. Initial ballot comment #198 was not properly implemented.		g instruction still is	omment Status <b>A</b> not precise. Where i	n the paragraph.	
SuggestedRemedy Something in the front matter is forcing the page number perhaps a TOC prob please so that the 802.3 convention of consecutive arabic page numbers is fo	em. Fix it sentence.	sert point in the pa	aragraph. For exampl	e insert after the 1	00BASE-TX etc.
Response Response Status C ACCEPT IN PRINCIPLE.	•	N PRINCIPLE.			
See response to comment #76.	Change "Insert into follows:"	the third paragrap	oh in BEHAVIOUR DE	EFINED AS section	of 30.5.1.1.4 as
C/ 00     SC     P 11     L 22     #       Grow, Bob     RMG Consulting        Comment Type     ER     Comment Status     A	3 to "Insert into	the third paragraphic the third paragraphic tence as follows:		EFINED AS section	of 30.5.1.1.4 after the
The description of 802.3bw has not been provided as requested in initial ballo #131. Note that no response to this request was included in initial ballot respo response only addressed one of the points of the comment.					
SuggestedRemedy Please write a description acceptable to the P802.3bw TF so that the descripti used in subsequent amendments.	n can be				
Response Response Status C ACCEPT IN PRINCIPLE.					
See the response to comment #23.					
C/ 30         SC 30.3.2.1.2         P 21         L 11         #           Grow, Bob         RMG Consulting	4				
Comment Type ER Comment Status A The editing instruction still is not precise.					
SuggestedRemedy Indicate insert point in the list. For example, insert after the 100BASE-T2 line.					
Response Response Status C ACCEPT IN PRINCIPLE.					
Change "Insert entry in APPROPRIATE SYNTAX as follows:" to "Insert entry in APPROPRIATE SYNTAX as follows and insert entry below 100	ASE-T2:"				
TYPE: TR/technical required ER/editorial required GR/general required T/technic COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STAT	I E/editorial G/general S: O/open W/written C/closed U/u	insatisfied Z/withd		ment ID 85	Page 19 of 20 3/12/2015 4:09:

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

CI <b>00</b>	SC	Р	L	# 86
Grow, Bob		RMG Consulting		

## Comment Type TR Comment Status A

The rejection of initial ballot comment #130 did not address the portion of the comment that P802.3bw introduces ambiguities into IEEE Std 802.3. The choice to use Clause 45 registers and the Clause 45 MDIO interface is incompatible with text in clause 22. Unlike the GMII in Clause 35 the Clause 22 specifications require complete implementation of the MII including the management interface. <CR><CR>Clauses 22 34 and 35 include statements that are in conflict with the proposed use of Clause 45 registers and the MDIO interface to access them. The GMII as specified in Std 802.3 includes use of the management interface specified in Clause 22.

### SuggestedRemedy

The attached file includes proposed text changes to avoid P802.3bv P802.3bp and P802.3bv introducing ambiguities. While only the Clause 22 changes are required for P802.3bw all text changes are included in the hope that P802.3bw will join with P802.3bp and P802.3bv in proposing common changes for all three projects. These changes can be requested in the P802 revision initial Sponsor ballot but to have a reasonable chance of the Maintenance committee accepting the proposed changes all three TFs should enforse them. If the text is acceptable the Clause 22 PICS will also have to be modified to introduce optionality of portions of the MII as has been done for Clause 35 GMII by approved 1000 Mb/s projects done after the initial set of PHYs approved in 1999 and 1998.

#### Response

Response Status C

ACCEPT IN PRINCIPLE.

The issue with Clause 22 affects many approved 802.3 amendments. For example 802.3az EEE uses MDIO Interface rather than the Clause 22 MII Management Interface so 100BASE-T devices with EEE need the Clause 45 MDIO interface. This is a cross IEEE 802.3 issue that is out of the scope of 802.3bw and should be handled by the maintenance committee. The maintenance committee is working on it. It is up to them and the WG to decide whether the solution should be incorporated in the current 802.3 revision or through a separate maintenance corrigenda or amendment.

The 802.3bw task group supports the resolution of the issue in the maintenance group.