ealey, Adam omment Type T Comment Status X The IEEE P802.3ap/Draft 2.0 definition of ""differential Manchester encoding"" is not consistent with the textbook definition or the definition used in Token Ring (IEEE Std 802.5- 1998). Specificially, the P802.3ap definition calls for a guaranteed transition at the beginning of the symbol, and a data-dependent transition at the middle of the symbol. In the ""textbook"" definition, the guaranteed transition is at the middle of the symbol and the data-dependent transition is at the beginning of the symbol. The definition of the IEEE P802.3ap encoding scheme should be made consistent with the academic/industry definition. uggestedRemedy 1. Modify definition to reflect the text in IEEE Std 802.5-1998 and alter the encoding rules in clauses 72 and 72 to match -or- 2. Rename the encoding scheme used by P802.3ap and modify the definition and terminology in the document accordingly. roposed Response Response Response Status O	Ganga, Ilango Intel Comment Type TR Comment Status X Include Forward Error Correction (FEC) for the 10GBASE-KR PHY to increase the link budget and to meet or exceed BER performance of 10-12 on a broader set of backplane channels(defined in clause 69). SuggestedRemedy Request TF to include Forward Error Correction (FEC) for 10GBASE-KR PHY as propose in supporting documents ganga_01_0905 and supporting presentation ganga_02_0905. Proposed Response Response Status O Cl 00 SC 00 P L # 561 Grow, Robert Intel Comment Type E Comment Status X Ohms should be replaced with the greek symbol from the Symbol font set. SuggestedRemedy
<i>uggestedRemedy</i> 1. Modify definition to reflect the text in IEEE Std 802.5-1998 and alter the encoding rules in clauses 72 and 72 to matchor- 2. Rename the encoding scheme used by P802.3ap and modify the definition and terminology in the document accordingly.	Grow, Robert Intel Comment Type E Comment Status X Ohms should be replaced with the greek symbol from the Symbol font set.
terminology in the document accordingly.	
	Suggesternenedy Search and replace as appropriate. (23 search hits in the pdf. covering multiple clauses. Proposed Response Response Status O
I 00 SC 00 P L # 569 row, Robert Intel omment Type TR Comment Status X The draft does not use the same names for service primitives as REVam. IEEE Std 802.3-2002 included some primitives as "".indicate"" and others as "".indication"". REVam correct this inconsistency by changing all occurances of "".indicate" to "".indication"".	C/ 00 SC 00 P L # 193 Grow, Robert Intel Comment Type E Comment Status X When published IEEE Std 802.3-2005 will have Helvetica converted to Arial and Times to Times New Roman.
uggestedRemedy Search Clauses 70, 71 and 72 on .indicate and replace with "".indication"" (18 occurances in the .pdf search). roposed Response Response Status O	SuggestedRemedy Change fonts as required to be consistent with the target base document for this amendment. Proposed Response Response Status O

CI 00 SC 00

C/ 00 SC 00 P L # 60	<i>Cl</i> 00 <i>SC</i> 00 David V James	P 11 JGG	L 3	# 762
Comment Type E Comment Status X Reformat Tables to IEEE style	Comment Type ER DVJ-2 Wrong title	Comment Status X		
SuggestedRemedy	SuggestedRemedy			
Reformat Tables to IEEE style	Table of Figures			
Proposed Response Response Status O	==> List of figures			
C/ 00 SC 00 P1 L1 # 413	Proposed Response	Response Status O		
Barrass, Hugh Cisco Systems Comment Type ER Comment Status X	C/ 00 SC 00	P 12	L 3	# 763
Given that 1000BASE-KX is a 1Gbps PHY, the management interface of choice should be	David V James	JGG		
Clause 22. This would allow a 1G MAC device to operate with multiple 1Gbps PHYs using the same MDIO interface. Additional Clause 45 registers may be accessed using the ""Clause 22 access to Clause 45 registers"" mechanism defined originally in 802.3ah.	Comment Type ER DVJ-3 Wrong title	Comment Status X		
Similarly, a 10G MAC device should be expected to operate with 10GBASE-K or other 10G PHYs and if it is capable of dual speeds then it may need to interface with 1000BASE-KX or other 1G PHYs.	SuggestedRemedy Table of Tables ==>			
SuggestedRemedy	List of tables			
The management register access structure needs to be thought through in the context of multiply capable devices. The structure of registers and access methods should work similarly for similar speed devices.	Proposed Response	Response Status O		
Multiple comments have been submitted (by this commenter) for this, but thought must be given to the problem as a whole in order to assess the merit of these and other solutions.	<i>Cl</i> 00 <i>SC</i> 00 John, D'Ambrosia	P 12	L 50	# 125
Proposed Response Response Status O	Comment Type E formatting errors - loo	<i>Comment Status</i> X oks like return was added after	word ""to""	
	SuggestedRemedy correct			
	Proposed Response	Response Status O		

CI 00 SC 00

C/ 00 SC 00 David V James	Р 3 JGG	L 3	# 761	<i>Cl</i> 00 <i>SC</i> 00 John, D'Ambrosia	P 8	L 54	# 124
Comment Type ER DVJ-1 Capitalization within a the IEEE Style Guide.	Comment Status X	l be limited to	the first word, as per	Comment Type E Comment formatting errors - indent of 2nd line SuggestedRemedy		ber	
SuggestedRemedy Table of Contents ==> Table of contents				correct Proposed Response Response	Status O		
Proposed Response	Response Status O			C/ 01 SC 01 Grow, Robert	P 13 Intel	L 10	# 196
C/ 00 SC 00 ohn, D'Ambrosia	P 6	L 29	# 122	Comment Type ER Comment The editing instructions note will be i hopefully as currently specified, and	ncluded in the		
<i>Comment Type</i> E formatting errors - ind	Comment Status X ent of 2nd line and page numbe	r		SuggestedRemedy The note should agree in format and	content with 2	21.1 of the 2005 S	tyle Manual.
<i>SuggestedRemedy</i> correct				Proposed Response Response	Status O		
Proposed Response	Response Status O			<i>Cl</i> 01 <i>SC</i> 01.1 Dawe, Piers	P 13 Agilent	L 18	# 455
7 00 <i>SC</i> 00 ohn, D'Ambrosia	P7	L 32	# 123	Comment Type E Comment Last sentence of editors' note has no whether 'editorial notes' are the sam	othing to do wit		
<i>Comment Type</i> E formatting errors - ind	Comment Status X ent of 2nd line and page numbe	r		terminology? I suspect they aren't, a SuggestedRemedy	and they are th	e items in bold ita	lic.
<i>uggestedRemedy</i> coorect				Turn most of this into editorial notes before last sentence. Create new ed	ditors' note deta	ailing the basis do	
Proposed Response	Response Status O			(P802.3REVam and maybe an, aq) - Proposed Response Response		examples.	

C/ 01 SC 01.1 Page 3 of 135 9/2/2005 2:33:08 PM

C/ 01 SC 01.4 Dawe, Piers	P 13 Agilent	L 36	# 456	<i>Cl</i> 01 <i>SC</i> 01.5 Daines, Kevin	P 13	L 49	# 4
Comment Type E	Comment Status X			Comment Type E	Comment Status X		
Unnecessary capita lower case.	ls. In the definitions and abbre	viations sections,	an entry can start in	I find it a bit awkward that instance, DME is defined	t a definition and abbreviat as ""Differential Manches I Manchestere Encoding""	ter Encoded"" in	1.5 while in 1.4 the
uggestedRemedy		and in 15. Camula	1 Filestulans lass	""Encoded"" and ""Encod		Ũ	
	ial Manchester encoding' here a (see clause 37 for precedent fo			SuggestedRemedy			
(maybe). Search a	nd replace 'Differential Manches			Consider harmonizing the	e definition and abbreviation	on.	
Partner' throughout	the document.			Proposed Response	Response Status 0		
roposed Response	Response Status O			, ,			
				C/ 01 SC 01.5	P 13	L 49	# 765
01 SC 01.4	P 13	L 37	# 764	David V James	JGG		
avid V James	JGG			Comment Type ER	Comment Status X		
omment Type ER DVJ-4 English words shou normal English usa	Comment Status X	ause their meani	ng is different from	DVJ-5 English words should not normal English usage.	be capitalized simply bec	ause their meanii	ng is different from
SuggestedRemedy Differential Manche ==>	ster Encoding			SuggestedRemedy Backplane ==> backplane			
differential Manches Proposed Response	ster encoding Response Status O			Proposed Response	Response Status O		
				C/ 01 SC 01.5	P 13	L 50	# 766
01 SC 01.5	<i>P</i> 13	L 36	# 458	David V James	JGG		
awe, Piers	Agilent			Comment Type ER	Comment Status X		
	Comment Status X g? 1.4 and 1.5 differ.			DVJ-6 English words should not normal English usage.	be capitalized simply bec	ause their meanii	ng is different from
uggestedRemedy Change to 'encodin	n'			SuggestedRemedy			
	9 ·			Differential Manchester E	incoded		
0							
Proposed Response	Response Status O			==> differential Manchester e	ncoded		

C/ 01 SC 01.5

C/ 01 SC 01.5 Marris, Arthur	P 13	L 50	# 27	<i>Cl</i> 01 <i>SC</i> 01.5 David V James	<i>P</i> 13 JGG	L 53	# 769
Comment Type T Insert more abbrevia SuggestedRemedy	Comment Status X ations			Comment Type ER DVJ-9 English words shoul normal English usag	Comment Status X Id not be capitalized simply bec ge.	ause their meani	ing is different from
	ations: Iterference Tolerance seive Extrapolated Interference	Tolerance		SuggestedRemedy Next Page ==> next page			
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 01 SC 01.5 Navid V James	Р 13 JGG	L 51	# 767	C/ 01 SC 01.5 Dawe, Piers	P 13 Agilent	L 53	# 457
normal English usag SuggestedRemedy Local Device ==>	Comment Status X d not be capitalized simply beca le.	ause their meani	ng is different from	SuggestedRemedy	Comment Status X or Extended Next Page in this d om the abbreviations list. Response Status O	raft.	
local device Proposed Response	Response Status O			C/ 01 SC 01.5 David V James	<i>P</i> 13 JGG	L 54	# <u>7</u> 70
/ 01 SC 01.5 avid V James omment Type ER DVJ-8 English words should normal English usage uggestedRemedy Link Partner ==> link partner	P 13 JGG Comment Status X d not be capitalized simply beca le.	L 52 ause their meani	# 768	Comment Type ER DVJ-10 English words shoul normal English usag SuggestedRemedy Extended Next Page ==> extended next page Proposed Response	9	ause their meani	ing is different from
Proposed Response	Response Status O						

C/ 01 SC 01.5

nt Type E Comment Status X ase show what you are doing to the base document tedRemedy ude the material you propose deleting, in black strike ad Response Response Status O SC 28A P14 obert Intel nt Type ER Comment Status X prrect underline.	eout. <i>L</i> 19 # 201
ade the material you propose deleting, in black strike ad Response Response Status O SC 28A P 14 obert Intel nt Type ER Comment Status X	
ed Response Response Status O SC 28A P 14 obert Intel nt Type ER Comment Status X	
obert Intel nt Type ER Comment Status X	L 19 # 201
<i></i>	
<i>tedRemedy</i> y underline ""Clause 28"".	
ed Response Response Status O	
SC 28A P 14 obert Intel	L 25 # 202
	gh text should be shown.
2	as strikethrough.
d Paananaa Statua O	

Proposed Response Response Status **O**

CI 28A SC 28A

Kim, Yong	P 14 Broadcom	L 26	# 439	<i>Cl</i> 30 <i>SC</i> 30.5. Booth, Brad	1.1.2	P 15 Intel	L 42	# 595
Comment Type TR	Comment Status X			Comment Type ER	Comm	ent Status X		
	nt question why is Clause 73 allowed to be on RJ45?	need a selector	field value, when it is	Change the editing use the editing inst				the inserted text and
SuggestedRemedy				This also applies to	Annex 30B			
	ication or delete this selector fie e 37, it ought to be rolled into 73			SuggestedRemedy				
draft).			was rolled in to this	Remove current ed				pt text to be inserted.
Proposed Response	Response Status O				Add an editin er 10GBASE-0	g instruction befor X4. Add an editii	re 10GBASE-KX4 ng instruction bef	4 to read: Insert fore 10GBASE-KR to
C/ 28A SC 28A Grow, Robert	P 14 Intel	L 9	# 200		be inserted sor			on is an insert before before W will place KI
Comment Type E	Comment Status X			The same edits wo	uld be require	d to Annex 30B (s	pecifically, 30B.2	2).
Overly complex yet in	ncomplete editing instruction.			Proposed Response	Respon	se Status O		
SuggestedRemedy Change table as follo	ows, (moving footnote anchor to	the next row).						
Proposed Response	Response Status O			C/ 30 SC 30.5. Grow, Robert	1.1.2	<i>P</i> 16	L 38	# 203
roposed nesponse				Glow, Robert		Intel		
	,			Comment Type E		ent Status X		
C/ 30 SC 30	P 16	L 47	# 460	,		ent Status X	struction.	
2/ 30 <i>SC</i> 30 Jawe, Piers	Agilent	L 47	# 460	Comment Type E Text included that SuggestedRemedy	s inconsistent	ent Status X with the editing in		
Cl 30 SC 30 Dawe, Piers Comment Type T	Agilent Comment Status X			Comment Type E Text included that SuggestedRemedy Delete the BEHAV	s inconsistent	ent Status X with the editing in he attribute declar		
C/ 30 SC 30 Dawe, Piers Comment Type T	Agilent Comment Status X Clause 28 or Clause 37 Auto-Ne			Comment Type E Text included that SuggestedRemedy	s inconsistent	ent Status X with the editing in		
C/ 30 SC 30 Dawe, Piers Comment Type T Does the phrase 'If C extended to include c	Agilent Comment Status X Clause 28 or Clause 37 Auto-Ne			Comment Type E Text included that SuggestedRemedy Delete the BEHAV	s inconsistent	ent Status X with the editing in he attribute declar		
Cl 30 SC 30 Dawe, Piers Comment Type T Does the phrase 'If C extended to include c	Agilent Comment Status X Clause 28 or Clause 37 Auto-Ne			Comment Type E Text included that SuggestedRemedy Delete the BEHAV Proposed Response	s inconsistent	ent Status X with the editing in ne attribute declar se Status O P19		# 609
Cl 30 SC 30 Dawe, Piers Comment Type T Does the phrase 'If C extended to include of SuggestedRemedy ?	Agilent Comment Status X Clause 28 or Clause 37 Auto-Ne			Comment Type E Text included that SuggestedRemedy Delete the BEHAV Proposed Response	s inconsistent	ent Status X with the editing in he attribute declar se Status O		# 609
Cl 30 SC 30 Dawe, Piers Comment Type T Does the phrase 'If C extended to include of SuggestedRemedy ?	Agilent Comment Status X Clause 28 or Clause 37 Auto-Ne clause 73?			Comment Type E Text included that SuggestedRemedy Delete the BEHAV Proposed Response	s inconsistent IOUR part of th Respon	ent Status X with the editing in he attribute declar se Status O P19 Cisco ent Status X	ation. L	
Cl 30 SC 30 Dawe, Piers Comment Type T Does the phrase 'If C	Agilent Comment Status X Clause 28 or Clause 37 Auto-Ne clause 73?			Comment Type E Text included that SuggestedRemedy Delete the BEHAV Proposed Response Cl 34 SC 34.1 Diab, Wael Comment Type E	s inconsistent IOUR part of ti <i>Respon</i> <i>Comm</i> ations should r	ent Status X with the editing in he attribute declar se Status O P19 Cisco ent Status X	ation. L	

Cl 34 SC 34.1 Page 7 of 135 9/2/2005 2:33:08 PM

C/ 34 SC 34.1 Booth, Brad	P 19 Intel	L 21	# 582	Cl 44 SC 44.1.1 Kim, Yong	P 19 Broadcom	L 23	# 440
omment Type E	Comment Status X			Comment Type TR	Comment Status X		
Incorrect editing instru	uction.			Not in the prior style	(editorial) and need to add full-	duplex only requ	irement (Technical
uggestedRemedy				Required) of 802.3ap).		
Change ""Add"" to be	""Insert"". Inserted text does	not to be underli	ned.	SuggestedRemedy			
roposed Response	Response Status O			MAC layer interface, Physical Layer entitie	34.1 to read ""Gigabit Etherne connected through a Gigabit M es (PHY sublayers) such as 10 BASE-T, and 1000BASE-KX"	ledia Independer 00BASE-LX, 100	nt Interface layer to 00BASE-SX, and
7 34 <i>SC</i> 34.1 irow. Robert	<i>P</i> 19 Intel	L 21	# 198	makes sense also, if	this comment is accepted.	-	
,	Comment Status X				4.1 to read ""Gigabit Ethernet		
Comment Type E Add isn't one of the de				through PHY type 10	SE-T full duplex mode. [new so 00BASE-KX shall operate only	in full-duplex mo	bde"".
SuggestedRemedy				Proposed Response	Response Status 0		
	read: Insert the following after	er the second par	agraph of 34.1.	· ·			
Proposed Response	Response Status O	·	0 1	C/ 44 SC 44.1.1	P 19	L 35	# 583
, ,	,			Booth, Brad	Intel		
C/ 34 SC 34.1 Grow, Robert	P 19 Intel	L 23	# 204	Comment Type E Missing period at end	Comment Status X	does not need to	be underlined.
Comment Type E	Comment Status X			SuggestedRemedy			
Including the word ""e	ntity"" is redundant. If you loc	k at clause 1 P⊦	IY includes entity in its	As per comment.			
expansion effectively	giving you ""entity entity"".			Proposed Response	Response Status O		
SuggestedRemedy							
Delete entity, and enti				C/ 44 SC 44.1.1	P 19	L 36	# 5
Proposed Response	Response Status O			Daines, Kevin			
				Comment Type E	Comment Status X		
C/ 44 SC 44.1	P 19	L 29	# 610	I prefer the wording u	ised in Clause 34.		
Diab, Wael	Cisco			SuggestedRemedy			
Comment Type E C44 mods should real	Comment Status X Ily appear on a new page of th	neir own		Change ""see Clause Clause 69""	e 69"" to ""For additional inform	ation on Backpla	ne Ethernet, refer to
SuggestedRemedy	202			Proposed Response	Response Status O		
Seperate into a new p	aye						

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

Cl	44
SC	44.1.1

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<i>Cl</i> 44 <i>SC</i> 44.1.1 David V James	<i>P</i> 19 JGG	L 37	# 771	<i>CI</i> 45 <i>SC</i> 45. David V James	<i>P</i> 21 JGG	L 2	# 772
Comment Type ER DVJ-11 Missing period	Comment Status X			Comment Type ER DVJ-12 English words should normal English usage	Comment Status X	cause their mean	ing is different from
SuggestedRemedy Clause 69 ==> Clause 69.				SuggestedRemedy Data Input/Output (M ==> data input/output (MD	DIO) Interface		
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 44 SC 44.1.3 - Zimmerman, George	Solarflare Co	L 37 mmunica	# 293	<i>Cl</i> 45 <i>SC</i> 45. David V James	<i>P</i> 22 JGG	L 5	# 773
Comment Type ER	Comment Status X						
and delay constraints for the proposed amer	ves, iso references, reconcilia for all other 10Gb/s PHYs are ndment. They appear to be re oly all) in the proposed clause o be in Clause 44.	included in Clau levant, and the i	ise 44, but are absent nformation is contained	normal English usage	Comment Status X not be capitalized simply bec	cause their mean	ing is different from
and delay constraints for the proposed amer (at least in part, possil of 802.3, it should also SuggestedRemedy	for all other 10Gb/s PHYs are ndment. They appear to be re oly all) in the proposed clause	included in Clau levant, and the in 69. For consiste	ise 44, but are absent nformation is contained ency and ease of use	DVJ-13 English words should	not be capitalized simply bec	cause their mean	ing is different from
and delay constraints for the proposed amer (at least in part, possil of 802.3, it should also SuggestedRemedy Update Clause 44 to fr 802.3aq for 802.3ap.	for all other 10Gb/s PHYs are ndment. They appear to be re oly all) in the proposed clause o be in Clause 44.	included in Clau levant, and the in 69. For consiste	ise 44, but are absent nformation is contained ency and ease of use	DVJ-13 English words should normal English usage SuggestedRemedy Manageable Device ==>	not be capitalized simply bec	cause their mean	ing is different from
and delay constraints for the proposed amer (at least in part, possil of 802.3, it should also SuggestedRemedy Update Clause 44 to f 802.3aq for 802.3ap. Proposed Response	for all other 10Gb/s PHYs are ndment. They appear to be re oly all) in the proposed clause o be in Clause 44. orms similar to those used by	included in Clau levant, and the in 69. For consiste	ise 44, but are absent nformation is contained ency and ease of use	DVJ-13 English words should normal English usage SuggestedRemedy Manageable Device ==> manageable device	not be capitalized simply bec	cause their mean	ing is different from
and delay constraints for the proposed amer (at least in part, possil of 802.3, it should also SuggestedRemedy Update Clause 44 to fr 802.3aq for 802.3ap. Proposed Response CI 45 SC 45. van Doorn, Schelto Comment Type ER	for all other 10Gb/s PHYs are ndment. They appear to be re oly all) in the proposed clause o be in Clause 44. orms similar to those used by <i>Response Status</i> O <i>P</i> 21 <i>Comment Status</i> X " synchronize text with .3an a	included in Clau levant, and the in 69. For consiste 802.3ae, 802.3a	ise 44, but are absent nformation is contained ency and ease of use ak, 802.3an and # 62	DVJ-13 English words should normal English usage SuggestedRemedy Manageable Device ==> manageable device Proposed Response CI 45 SC 45. David V James Comment Type ER DVJ-14	not be capitalized simply bec Response Status 0 <i>P</i> 23 JGG <i>Comment Status</i> X isted starting from zero.		

Cl **45** SC **45**. Page 9 of 135 9/2/2005 2:33:09 PM

<i>Cl</i> 45 <i>SC</i> 45.1 Barrass, Hugh	P 21 Cisco System	L 20 ns	# 410	<i>CI</i> 45 <i>SC</i> 45.1 Kim, Yong	P 21 Broadcom	L 23	# 441
	Comment Status X quately covers the application o nal version, therefore the chang			10PASS-TS and 2BA intended change nor	Comment Status X from line 21 and adding ""Ethe ASE-TL and c) 10, 100 or 1000 802.3ap specific change.		
Delete all changes to Proposed Response	o 45.1 <i>Response Status</i> O			SuggestedRemedy Please provide ratior revision,	nale for this change, or fix the te	ext to address m	y concern, or undo the
C/ 45 SC 45.1	P 21	L 21	# 461	Proposed Response	Response Status O		
Dawe, Piers Comment Type E	Agilent Comment Status X			<i>Cl</i> 45 <i>SC</i> 45.2 Grow, Robert	P 21 Intel	L 36	# 199
SuggestedRemedy	sn't say 'Ethernet' before 'the fo	bllowing'		Comment Type E Aren't both tables 1 a	Comment Status X and 2 redundant.		
Remove the struck-or Proposed Response	out 'Ethernet'. Response Status O			SuggestedRemedy Correct editors note.			
Cl 45 SC 45.1	P 21	L 21	# 126	Proposed Response	Response Status O		
John, D'Ambrosia Comment Type E	Comment Status X			Cl 45 SC 45.2 Dawe, Piers	P 22 Agilent	L 24	# 462
Verbiage clarification ""is applicable to the				Comment Type E What's the purple for	Comment Status X ? Font size.		
SuggestedRemedy change to ""is applicable to any	y of the following""				note as appropriate, at the be	ginning of the do	ocument, explain. He
Proposed Response	Response Status O			and next page, chan Proposed Response	ge to 9 point. Response Status O		

Cl **45** SC **45.2**

<i>Cl</i> 45 <i>SC</i> 45.2 Spagna, Fulvio	<i>Р</i> 23 INTEL	L 20	# <u>1</u> 77	Cl 45 SC 45.2.1 P 24 L 9 # 418 Barrass, Hugh Cisco Systems
Comment Type E Remove underlining SuggestedRemedy	Comment Status X			Comment Type T Comment Status X Assuming that the references to 1000BASE-KX as a speed are removed, then there is a need to add a new register for 1G PMA/PMD type. It would be useful for this to indicate either 1000BASE-KX or 1000BASE-T (for the benefit of 10G/1G UTP implementations).
Proposed Response	Response Status O			SuggestedRemedy Add another register:
Cl 45 SC 45.2 Spagna, Fulvio	<i>P</i> 26 INTEL	L 18	# 178	Register 1.20 ""1G PMA/PMD control 2"" The definition of this register is very similar to register 1.7
Comment Type E Inconsistent format.	Comment Status X			1.20.15:1 always 0, writes ignored
SuggestedRemedy Remove underlining in de	escription field of Bit 1 1 3			1.20.15.0 = 0 1000BASE-T PMA/PMD type = 1 1000BASE-KX PMA/PMD type
-	Response Status O			Then a following description in the same manner as 45.2.1.6.1
C/ 45 <i>SC</i> 45.2 Spagna, Fulvio	<i>P</i> 27 INTEL	L 11	# 179	Proposed Response Response Status O
Comment Type E Inconsistent format.	Comment Status X			C/ 45 SC 45.2.1.1 P 25 L 10 # 775 David V James JGG JGG
SuggestedRemedy Remove underlining for fi	elds associated with Bit 1.4.3			Comment Type ER Comment Status X DVJ-15
Proposed Response	Response Status O			Nonstandard table line widths SuggestedRemedy ==> very thin in center
Cl 45 SC 45.2.1 Dawe, Piers	P 24 Agilent	L 18	# 463	==> thin on edges Proposed Response Response Status O
Comment Type E Please show all the strike	Comment Status X souts to the base document.			
SuggestedRemedy Include '1.32 768', in blac	k strikeout.			
	Response Status O			

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

Cl **45** SC **45.2.1.1** Page 11 of 135 9/2/2005 2:33:09 PM

C/ 45 SC 45.2.1.1	P 25	L 12	# 777	C/ 45 SC 45.2.1.	-	L 9	# 776
David V James	JGG			David V James	JGG		
Comment Type TR DVJ-17 IEEE styles are to cente	Comment Status X			Comment Type TR DVJ-16 R/W has to meaning	Comment Status X s in the same table.		
SuggestedRemedy				SuggestedRemedy			
Do so, here and elsewhe	ere.			Entries in the table s			
Proposed Response	Response Status 0			Do so, here and else	where.		
				Proposed Response	Response Status O		
C/ 45 SC 45.2.1.1	P 25	L 29	# 464				
Dawe, Piers	Agilent			C/ 45 SC 45.2.1.		L 51	# 26
Comment Type E	Comment Status X			Muller, Shimon Muller	Sun Microsys	stems, Inc	
	re doing to the base docum	ent		Comment Type E See below	Comment Status X		
SuggestedRemedy							
For 1.0.5:2 Speed select	tion, de-underline some ma	terial, include str	icken material.	SuggestedRemedy	with "nort tunco"		
Proposed Response	Response Status 0			Replace "ports type"			
				Proposed Response	Response Status O		
C/ 45 SC 45.2.1.1	P 25	L 31	# 415	C/ 45 SC 45.2.1.		1 54	# 405
Barrass, Hugh	Cisco System	S	<u> </u>	Dawe, Piers	1.4 P 25 Agilent	L 51	# 465
Comment Type T	Comment Status X				0		
Table 45-2, Speed selec				Comment Type E ports type	Comment Status X		
	is not currently specific to in ne should not be ""1000BAS			SuggestedRemedy port types			
	oor souls of 802.3an who ha ibility with 10G/1G negotiati		ut the need for this line	Proposed Response	Response Status O		
SuggestedRemedy							
	31) and for 45.2.1.1.3 (P.25	, line 45):					
change ""1000BASE-KX	"" to ""1Gbps ""						
shange recebrice for							

Proposed Response Response Status **O**

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

Cl **45** SC **45.2.1.1.4** Page 12 of 135 9/2/2005 2:33:09 PM

C/ 45 SC 45.2.1.10) <i>P</i> 29 JGG	L 10	# 632	Cl 45 SC 45.2.1.2 P 26 L 19 # 416
Comment Type ER DVJ-21 Nonstandard table line SuggestedRemedy ==> very thin in center ==> thin on edges Proposed Response	Comment Status X			Barrass, Hugh Cisco Systems Comment Type T Comment Status X A register bit to indicate the presence of a mandatory function is, by definition, redundant. I the PMA/PMD type field denotes a Backplane Ethernet PHY then the Backplane Ethernet extension registers must be present. SuggestedRemedy Delete all changes to Table 45-5 and subclause 45.2.1.2.2 (and associated PICS entry - if it exists!)
Cl 45 SC 45.2.1.10) P 29 Solarflare	L 22	# 276	Proposed Response Response Status O
Comment Type E Missing text description For completeness and	Comment Status X n of 1.11.3 and 1.11.4. consistency in style add a tex	t description for	1.11.4 and 1.11.3.	CI 45 SC 45.2.1.2.2 P 2526 L 36 # 466 Dawe, Piers Agilent Agilent Comment Type E Comment Status X 1.159 1.159 Agilent Agilent
See P802.3an D2.2 for SuggestedRemedy add text as indicated	r reierence.			SuggestedRemedy 1.155, apparently. Also PICS item MM20a
Proposed Response	Response Status 0			Proposed Response Response Status O
C/ 45 SC 45.2.1.2 David V James	Р 26 JGG	L 13	# 778	Cl 45 SC 45.2.1.2.2 P 26 L 36 # 623 Ganga, Ilango Intel
Comment Type ER DVJ-18 Nonstandard table line SuggestedRemedy ==> very thin in center				Comment Type ER Comment Status X Incorrect reference to register numbers. The correct reference should be ""registers 1.150 through 1.155 shall be used for configuration"" SuggestedRemedy Change line 36 to read as, ""registers 1.150 through 1.155 shall be used for configuration and status of Backplane Ethernet port types""
==> thin on edges Proposed Response	Response Status O			Proposed Response Response Status O

C/ **45** SC **45.2.1.2.2**

C/ 45 SC 45.2	1.4 0.07							
David V James	.1.4 P 27 JGG	L 10	# 630	<i>Cl</i> 45 McClellan,	SC 45.2.1.6.1 Brett	P 28 Solarflare	L 12	# 284
Comment Type ER DVJ-19	Comment Status X			Comment	Туре Т	Comment Status X a PMA but not a PMD		
Nonstandard table	e line widths			Suggested	Remedy			
SuggestedRemedy ==> very thin in ce	enter of header and body				e"" ""1 0 0 1 = 10 0 0 1 = 10GBAS	GBASE-T PMA/PMD type" E-T PMA type""	n	
Proposed Response	Response Status O			Proposed I	Response	Response Status O		
C/ 45 SC 45.2	.1.4 P 27	L 12	# 417	<i>Cl</i> 45 Booth, Brae	SC 45.2.1.6.1		L 12	# 584
Barrass, Hugh	Cisco Sys	stems				Intel		
Comment Type T	Comment Status X			Comment	<i></i>	Comment Status X	MD turne but they	ra ia anhu a DMA tunu
21	not a speed, it is a PHY. Sinc	e this is a speed abil	ity register, the			10GBASE-T states PMA/P	IND type, but the	re is only a PMA type
codpoint should be	e a speed.			Suggested	-			
SuggestedRemedy				-	-	0 0 1 = 10GBASE-T PMA	туре	
	6 ""1000BASE-KX"" to ""1G c	apable"" and ""as	1000BASE-KX"" to ""at	Proposed I	Response	Response Status 0		
1Gb/s""								
	clause 45.2.1.4.1 title to ""1G	capable (1.4.3)"" and	l body to:	C/ 45	SC 45.2.1.6.1	P 28	L 13	# 48
Also, change subc				<i>Cl</i> 45 Claseman,		P 28 Micrel Semio	-	# 48
Also, change subc	clause 45.2.1.4.1 title to ""1G one, bit 1.4.3 indicates that th nen read as a zero, bit 1.4.3 ir	ne PMA/PMD is able	to operate at a data		George	-	-	# 48
Also, change subc	one, bit 1.4.3 indicates that the nead as a zero, bit 1.4.3 ir	ne PMA/PMD is able	to operate at a data	Claseman, <i>Comment</i> In table	George <i>Type</i> E 9 45-7, PMA / PN	Micrel Semio	conductor	
Also, change subc ""When read as a rate of 1 Gb/s. Wh	one, bit 1.4.3 indicates that the nead as a zero, bit 1.4.3 ir	ne PMA/PMD is able	to operate at a data	Claseman, <i>Comment</i> In table	George <i>Type</i> E	Micrel Semic Comment Status X	conductor	
Also, change subc ""When read as a rate of 1 Gb/s. Wh operate at a data r	one, bit 1.4.3 indicates that the nen read as a zero, bit 1.4.3 ir rate of 1 Gb/s.""	ne PMA/PMD is able	to operate at a data	Claseman, Comment In table not in 8 Suggested	George <i>Type</i> E 9 45-7, PMA / PN 302.3am). <i>Remedy</i>	Micrel Semic Comment Status X	conductor	<u>_</u>
Also, change subc ""When read as a rate of 1 Gb/s. Wh operate at a data r	one, bit 1.4.3 indicates that then read as a zero, bit 1.4.3 in rate of 1 Gb/s."" Response Status O	ne PMA/PMD is able	to operate at a data	Claseman, Comment In table not in 8	George <i>Type</i> E 9 45-7, PMA / PN 302.3am). <i>Remedy</i>	Micrel Semic Comment Status X	conductor	<u>_</u>
Also, change subc ""When read as a rate of 1 Gb/s. Wh operate at a data r Proposed Response	one, bit 1.4.3 indicates that then read as a zero, bit 1.4.3 in rate of 1 Gb/s."" Response Status O	ne PMA/PMD is able indicates that the PM/	to operate at a data A/PMD is not able to	Claseman, Comment In table not in 8 Suggested	George <i>Type</i> E e 45-7, PMA / PN 802.3am). <i>Remedy</i> nove.	Micrel Semic Comment Status X	conductor	
Also, change subc ""When read as a rate of 1 Gb/s. Wh operate at a data r Proposed Response	one, bit 1.4.3 indicates that then read as a zero, bit 1.4.3 in rate of 1 Gb/s."" Response Status O	ne PMA/PMD is able indicates that the PM/	to operate at a data A/PMD is not able to	Claseman, Comment In table not in 8 Suggested See ab	George <i>Type</i> E e 45-7, PMA / PN 802.3am). <i>Remedy</i> nove.	Micrel Semic <i>Comment Status</i> X ID type selection 1001 sho	conductor	
Also, change subc ""When read as a rate of 1 Gb/s. Wh operate at a data r Proposed Response Cl 45 SC 45.2. Dawe, Piers Comment Type E Contradiction: is it	one, bit 1.4.3 indicates that then read as a zero, bit 1.4.3 in rate of 1 Gb/s."" Response Status O .1.6.1 P 27 Agilent	he PMA/PMD is able idicates that the PM/ L 31 e before subclause 4	to operate at a data A/PMD is not able to # 467	Claseman, Comment In table not in 8 Suggested See ab	George <i>Type</i> E e 45-7, PMA / PN 802.3am). <i>Remedy</i> nove.	Micrel Semic <i>Comment Status</i> X ID type selection 1001 sho	conductor	
Also, change subc ""When read as a rate of 1 Gb/s. Wh operate at a data r Proposed Response Cl 45 SC 45.2. Dawe, Piers Comment Type E Contradiction: is it	one, bit 1.4.3 indicates that then read as a zero, bit 1.4.3 in rate of 1 Gb/s."" Response Status O .1.6.1 P 27 Agilent Comment Status X 'Insert the following subclaus	he PMA/PMD is able idicates that the PM/ L 31 e before subclause 4	to operate at a data A/PMD is not able to # 467	Claseman, Comment In table not in 8 Suggested See ab	George <i>Type</i> E e 45-7, PMA / PN 802.3am). <i>Remedy</i> nove.	Micrel Semic <i>Comment Status</i> X ID type selection 1001 sho	conductor	
Also, change subd ""When read as a rate of 1 Gb/s. Wh operate at a data r Proposed Response Cl 45 SC 45.2. Dawe, Piers Comment Type E Contradiction: is it appropriately' or 'C SuggestedRemedy	one, bit 1.4.3 indicates that then read as a zero, bit 1.4.3 in rate of 1 Gb/s."" Response Status O .1.6.1 P 27 Agilent Comment Status X 'Insert the following subclaus	he PMA/PMD is able idicates that the PM/ L 31 e before subclause 4	to operate at a data A/PMD is not able to # 467	Claseman, Comment In table not in 8 Suggested See ab	George <i>Type</i> E e 45-7, PMA / PN 802.3am). <i>Remedy</i> nove.	Micrel Semic <i>Comment Status</i> X ID type selection 1001 sho	conductor	

C/ **45** SC **45.2.1.6.1**

Cl 45 SC 45.2.1.6.1 Claseman, George	P 28 Micrel Semico	L 14 anductor	# 49	C/ 45 SC 45.2.1.7.4 P 28 L 30 # 468 Dawe, Piers Agilent
	Comment Status X ID type selection 1000 shoul	d be reserved (i	not yet approved, and	Comment Type E Comment Status X Much of the text in this and the next subclause is not changed.
not in 802.3am). SuggestedRemedy See above. Proposed Response	Response Status O			SuggestedRemedyUse plain text and strikeout as well as underlining.Proposed ResponseResponse StatusO
7 45 <i>SC</i> 45.2.1.6.1 Pavid V James	<i>P</i> 28 JGG	L 8	# 631	CI 45 SC 45.2.1.7.4 P 28 L 32 # 625 Ganga, Ilango Intel
<i>Comment Type</i> ER DVJ-20 Nonstandard table line v	Comment Status X			Comment Type ER Comment Status X Reference to Transmit Fault function for 1000BASE-KX is missing from the section 45.2.1.7.4 Transmit fault. Insert the following sentence before the description for KX4 PMD. The description of the transmit fault function for the 1000BASE-KX is given in 70.5
uggestedRemedy ==> very thin in center ==> thin on edges				SuggestedRemedy Insert the following sentence before the description for KX4 PMD. The description of the transmit fault function for the 1000BASE-KX is given in 70.5.8
Proposed Response	Response Status O			Proposed Response Response Status O
7 45 <i>SC</i> 45.2.1.7.4 IcClellan, Brett	P 28 Solarflare	L 28	# 275	Cl 45 SC 45.2.1.7.5 P 28 L 43 # 624 Ganga, Ilango Intel
follows:"" This change applies to I	Comment Status X Itences of the first paragraph P802.3REVam prior to amm			Comment Type ER Comment Status X Reference to Receive Fault function for 1000BASE-KX is missing from secition 45.2.1.7 Insert the following sentence before the description for KX4 PMD.
P802.3an adds a senter This comment also app				SuggestedRemedy Insert the following sentence before the description for KX4 PMD. The description of the receive fault function for the 1000BASE-KX is given in 70.5.9
SuggestedRemedy change editor's note to	prevent replacement of text	added by P802.	3an	Proposed Response Response Status O
Proposed Response	Response Status O	,		

Cl **45** SC **45.2.1.7.5** Page 15 of 135 9/2/2005 2:33:09 PM

<i>Cl</i> 45 <i>SC</i> 45.2.1.7 David V James	5 P 29 JGG	L 36	# 633	C/ 45 SC 45.2.1.76 P 30 L 12 # 469 Dawe, Piers Agilent Agil
Comment Type ER DVJ-22	Comment Status X			Comment Type E Comment Status X in-progress
Nonstandard table line SuggestedRemedy ==> very thin in center				SuggestedRemedy in progress
==> thin on edges				Proposed Response Response Status O
Proposed Response	Response Status O			
C/ 45 SC 45.2.1.7	5 <i>P</i> 29	L 47	# 626	Cl 45 SC 45.2.1.76 P 30 L 19 # 180 Spagna, Fulvio INTEL
Ganga, Ilango	Intel	241	# 020	Comment Type E Comment Status X
				SC is not used in this table.
Comment Type ER	Comment Status X			
Cross references varia This is true for all the	ables in section 72.5.10.3.x h cross references to clause 72			SuggestedRemedy Remove SC text.
Cross references varia This is true for all the 45.2.1.75.x	ables in section 72.5.10.3.x h			
Cross references varia This is true for all the 45.2.1.75.x SuggestedRemedy	ables in section 72.5.10.3.x h	2 from pages 29 t	hrough 34 in clause	Remove SC text. Proposed Response Response Status
Cross references varia This is true for all the 45.2.1.75.x SuggestedRemedy Fix the cross reference in clause 45.2.1.75.x	ables in section 72.5.10.3.x h cross references to clause 72	2 from pages 29 t	hrough 34 in clause	Remove SC text.
Cross references varia This is true for all the 45.2.1.75.x SuggestedRemedy Fix the cross reference in clause 45.2.1.75.x	ables in section 72.5.10.3.x h cross references to clause 72 e links in pdf file. All reference	2 from pages 29 t	hrough 34 in clause	Remove SC text. Proposed Response Response Status O Cl 45 SC 45.2.1.76 P 30 L 37 # 470
Cross references varia This is true for all the of 45.2.1.75.x SuggestedRemedy Fix the cross reference in clause 45.2.1.75.x Proposed Response	ables in section 72.5.10.3.x h cross references to clause 72 e links in pdf file. All reference <i>Response Status</i> O	2 from pages 29 t	hrough 34 in clause	Remove SC text. Proposed Response Response Status O Cl 45 SC 45.2.1.76 P 30 L 37 # 470 Dawe, Piers Agilent # 470 # 470 Comment Type E Comment Status X These two sentences are hard to decode, partly because they are very similar yet nerelates clearly to the title of the subclause: Item 100
Cross references varia This is true for all the of 45.2.1.75.x SuggestedRemedy Fix the cross reference in clause 45.2.1.75.x Proposed Response Cl 45 SC 45.2.1.70 David V James Comment Type ER	ables in section 72.5.10.3.x h cross references to clause 72 e links in pdf file. All reference <i>Response Status</i> O 6 <i>P</i> 30	2 from pages 29 the stock of th	hrough 34 in clause	Remove SC text. Proposed Response Response Status O Cl 45 SC 45.2.1.76 P 30 L 37 # 470 Dawe, Piers Agilent # 470 # 470 Comment Type E Comment Status X These two sentences are hard to decode, partly because they are very similar yet new
Cross references varia This is true for all the of 45.2.1.75.x SuggestedRemedy Fix the cross reference in clause 45.2.1.75.x Proposed Response	ables in section 72.5.10.3.x h cross references to clause 72 e links in pdf file. All reference <i>Response Status</i> O 6 <i>P</i> 30 JGG <i>Comment Status</i> X	2 from pages 29 the stock of th	hrough 34 in clause	Remove SC text. Proposed Response Response Status O Cl 45 SC 45.2.1.76 P 30 L 37 # 470 Dawe, Piers Agilent # 470 Comment Type E Comment Status X These two sentences are hard to decode, partly because they are very similar yet nerelates clearly to the title of the subclause: "The 10GBASE-KR coefficient update registers reflect the contents of the first 16-bit of the training frame control channel. The LP coefficient update register mirrors the
Cross references varia This is true for all the of 45.2.1.75.x SuggestedRemedy Fix the cross reference in clause 45.2.1.75.x Proposed Response CI 45 SC 45.2.1.70 David V James Comment Type ER DVJ-23	ables in section 72.5.10.3.x h cross references to clause 72 e links in pdf file. All reference <i>Response Status</i> O 6 <i>P</i> 30 JGG <i>Comment Status</i> X e widths	2 from pages 29 the stock of th	hrough 34 in clause	Remove SC text. Proposed Response Response Status O Cl 45 SC 45.2.1.76 P 30 L 37 # 470 Dawe, Piers Agilent # 470 Comment Type E Comment Status X These two sentences are hard to decode, partly because they are very similar yet nerelates clearly to the title of the subclause: "The 10GBASE-KR coefficient update registers reflect the contents of the first 16-bit of the training frame control channel. The LP coefficient update register mirrors the contents of the most recently received training frame.'

C/ **45** SC **45.2.1.76** Page 16 of 135 9/2/2005 2:33:09 PM

C/ 45 SC 45.2.1.77.3 P 31 L 10 # [6] David V James JGG	C/ 45 SC 45.2.1.77.3 P 31 L 5 # 277 McClellan, Brett Solarflare
Comment Type ER Comment Status X DVJ-24 Nonstandard table line widths	Comment TypeEComment StatusXMissing text description of bits in register 1.152.
SuggestedRemedy ==> very thin in center ==> thin on edges of header and body	For completeness and consistency in style add a text description for the bits in register 1.152. SuggestedRemedy
Proposed Response Response Status O	add text as indicated Proposed Response Response Status O
C/ 45 SC 45.2.1.77.3 P 31 L 10 # E Booth, Brad Intel	Cl 45 SC 45.2.1.77.3 P 32 L 29 # 182
Comment Type E Comment Status X In Table 45-55, the bit numbering in the Description column should be underline SuggestedRemedy Underline 15 and 14 in the first row, 5 and 4 in the 4th row, 3 and 2 in the 5th ro and 0 in the last row.	<i>Comment Type</i> E <i>Comment Status</i> X SC registers are not used in this table.
Same type of edit applies to Tables 45-56, 45-57, and 45-58.	Proposed Response Response Status O
Proposed Response Response Status O	<i>Cl</i> 45 <i>SC</i> 45.2.1.78 <i>P</i> 32 <i>L</i> 8 <i>#</i> <u>636</u>
CI 45 SC 45.2.1.77.3 P 31 L 33 # Spagna, Fulvio INTEL Comment Type E Comment Status X SC bits are not used in this table SuggestedRemedy Remove SC related text.	Comment Type ER Comment Status X DVJ-25 Nonstandard table line widths SuggestedRemedy ==> very thin in center ==> thin on edges of header and body
Proposed Response Response Status O	Proposed Response Response Status O

Cl **45** SC **45.2.1.78** Page 17 of 135 9/2/2005 2:33:09 PM

<i>Cl</i> 45 <i>SC</i> 45.2.1.7 Spagna, Fulvio	79 P 32 INTEL	L 47	# 183	<i>Cl</i> 45 <i>SC</i> 45.2.1.8 Spagna, Fulvio	30 P 33 INTEL	L 46	# 185
Comment Type E Add reference to con	Comment Status X			Comment Type E Add reference to cont	<i>Comment Status</i> X trol channel definition.		
	e to read: ""The 10GBASE-KF S-bit word of the training frame Response Status O				e to read: ""The 10GBASE-KF 1 16-bit word of the training fra <i>Response Status</i> 0		
CI 45 SC 45.2.1.7 David V James Comment Type ER	79.3 P 33 JGG Comment Status X	L 22	# 637	<i>Cl</i> 45 <i>SC</i> 45.2.1.8 Dawe, Piers	0 P 33 Agilent	L 48	# 471
DVJ-26 Nonstandard table lin SuggestedRemedy				Comment Type E the contents of the cu Figure 72û4.	Comment Status X Irrent outgoing training frame,	, as training state	machine defined in
==> very thin in cente ==> thin on edges of				SuggestedRemedy means?			
Proposed Response	Response Status 0			Proposed Response	Response Status O		
Cl 45 SC 45.2.1.7	79.3 <i>P</i> 33 INTEL	L 41	# 184	<i>Cl</i> 45 <i>SC</i> 45.2.1.8 Spagna, Fulvio	30 <i>P</i> 34 INTEL	L 29	# 186
Cl 45 SC 45.2.1.7 Spagna, Fulvio Comment Type E		L 41	# 184		INTEL Comment Status X	L 29	# 186
<i>Cl</i> 45 <i>SC</i> 45.2.1.7 Spagna, Fulvio <i>Comment Type</i> E	INTEL Comment Status X e not used in this table.	L 41	# 184	Spagna, Fulvio Comment Type E	INTEL Comment Status X not used in this table.	L 29	# [186

C/ **45** SC **45.2.1.80** Page 18 of 135 9/2/2005 2:33:09 PM

Cl 45 SC 45.2.1.8 David V James	0 P 34 JGG	L 9	# 638	<i>Cl</i> 45 <i>SC</i> 45.2.7 Booth, Brad	P 34 Intel	<i>L</i> 51	# 587
Comment Type ER DVJ-27	Comment Status X			Comment Type E Missing period at end o	<i>Comment Status</i> X of sentence.		
Nonstandard table lin SuggestedRemedy	e widths			SuggestedRemedy As per comment.			
==> very thin in cente ==> thin on edges of				Proposed Response	Response Status O		
Proposed Response	Response Status 0						
C/ 45 SC 45.2.7	P 34	L 47	# 281	<i>Cl</i> 45 <i>SC</i> 45.2.7 Barrass, Hugh	Р 35 Cisco System	<i>L</i> 19 ns	# 434
AcClellan, Brett	Solarflare	241	# 201	Comment Type TR	Comment Status X		
Comment Type ER	Comment Status X				1.21		
Both P802.3an and P however they are out same registers for diff Most notably see regi	802.3ap are adding this new A of sync, use different text deso ferent purposes.				d next page transfer functions be defined as BP specific re		ally for BP operation s
Both P802.3an and P however they are out same registers for diff Most notably see regi SuggestedRemedy Synchronize with P80 different registers for	802.3ap are adding this new A of sync, use different text deso ferent purposes.	criptions, and bo	th intend to use the riptions. Either use	The advertisement and these registers need to <i>SuggestedRemedy</i> Move all of 802.3ap reg reflect the BP specific	d next page transfer functions be defined as BP specific re gisters 7.16 through 7.27 to 7 nature of these registers.	egisters.	
Both P802.3an and P however they are out same registers for diff Most notably see regi SuggestedRemedy Synchronize with P80	802.3ap are adding this new A of sync, use different text desc ferent purposes. sters 7.16, 7.19. 2.3an and use common namin	criptions, and bo	th intend to use the riptions. Either use	The advertisement and these registers need to <i>SuggestedRemedy</i> Move all of 802.3ap reg reflect the BP specific	d next page transfer functions be defined as BP specific re gisters 7.16 through 7.27 to 7	egisters.	
Both P802.3an and P however they are out same registers for diff Most notably see regi SuggestedRemedy Synchronize with P80 different registers for and 7.19. Proposed Response	 802.3ap are adding this new A of sync, use different text descrete purposes. sters 7.16, 7.19. 2.3an and use common naminibits already defined, or explained text of the state of the stat	criptions, and bo	th intend to use the riptions. Either use	The advertisement and these registers need to <i>SuggestedRemedy</i> Move all of 802.3ap reg reflect the BP specific Make associated chang <i>Proposed Response</i>	d next page transfer functions be defined as BP specific re gisters 7.16 through 7.27 to 7 nature of these registers. ges throughout the Clause. <i>Response Status</i> O <i>P</i> 35	egisters.	
Both P802.3an and P however they are out same registers for diff Most notably see regi <i>buggestedRemedy</i> Synchronize with P80 different registers for and 7.19. <i>broposed Response</i>	802.3ap are adding this new A of sync, use different text desc ierent purposes. sters 7.16, 7.19. 2.3an and use common namin bits already defined, or explain <i>Response Status</i> O <i>P</i> 34 Agilent <i>Comment Status</i> X	criptions, and bo ng and text descr n the dual use of	th intend to use the riptions. Either use register bits in 7.16	The advertisement and these registers need to SuggestedRemedy Move all of 802.3ap reg reflect the BP specific Make associated chang Proposed Response Cl 45 SC 45.2.7 Dawe, Piers Comment Type T AN LD NP: alphabet so	d next page transfer functions be defined as BP specific re- gisters 7.16 through 7.27 to 7 nature of these registers. ges throughout the Clause. <i>Response Status</i> O <i>P</i> 35 Agilent <i>Comment Status</i> X oup. Using 'NP' as an abbrevi	egisters. 7.36 through 7.47 <i>L</i> 22 viation here is no	7. Change the names # 474
Both P802.3an and P however they are out same registers for diff Most notably see regi SuggestedRemedy Synchronize with P80 different registers for and 7.19. Proposed Response Cl 45 SC 45.2.7 Dawe, Piers Comment Type E for AN MMD are 11 SuggestedRemedy	802.3ap are adding this new A of sync, use different text desc ferent purposes. sters 7.16, 7.19. 2.3an and use common namin bits already defined, or explain <i>Response Status</i> O <i>P</i> 34 Agilent <i>Comment Status</i> X 7	criptions, and bo ng and text descr n the dual use of	th intend to use the riptions. Either use register bits in 7.16	The advertisement and these registers need to <i>SuggestedRemedy</i> Move all of 802.3ap reg reflect the BP specific Make associated chang <i>Proposed Response</i> <i>CI</i> 45 <i>SC</i> 45.2.7 Dawe, Piers <i>Comment Type</i> T AN LD NP: alphabet so spelled out 'base page	d next page transfer functions be defined as BP specific re gisters 7.16 through 7.27 to 7 nature of these registers. ges throughout the Clause. <i>Response Status</i> O <i>P</i> 35 Agilent <i>Comment Status</i> X	egisters. 7.36 through 7.47 <i>L</i> 22 viation here is no	7. Change the names # 474
Both P802.3an and P however they are out same registers for diff Most notably see regi SuggestedRemedy Synchronize with P80 different registers for and 7.19. Proposed Response	802.3ap are adding this new A of sync, use different text desc ferent purposes. sters 7.16, 7.19. 2.3an and use common namin bits already defined, or explain <i>Response Status</i> O <i>P</i> 34 Agilent <i>Comment Status</i> X 7	criptions, and bo ng and text descr n the dual use of	th intend to use the riptions. Either use register bits in 7.16	The advertisement and these registers need to SuggestedRemedy Move all of 802.3ap reg reflect the BP specific Make associated chang Proposed Response CI 45 SC 45.2.7 Dawe, Piers Comment Type T AN LD NP: alphabet so spelled out 'base page SuggestedRemedy	d next page transfer functions be defined as BP specific re- gisters 7.16 through 7.27 to 7 nature of these registers. ges throughout the Clause. <i>Response Status</i> O <i>P</i> 35 Agilent <i>Comment Status</i> X oup. Using 'NP' as an abbrevi	egisters. 7.36 through 7.47 <i>L</i> 22 viation here is no hange that to BP	7. Change the names # 474

Cl **45** SC **45.2.7**

<i>Cl</i> 45 <i>SC</i> 45.2.7 Dawe, Piers	P 35 Agilent	L 28	# 473	Cl 45 SC 45.2.7.1 Dawe, Piers	P 36 Agilent	L 12	# 475
Comment Type T Reserved for 802.3ap?	Comment Status X This is 802.3ap!			Comment Type T Confusion with bit 1.0. ⁻	Comment Status X 15, reset.		
SuggestedRemedy At least by sponsor bal	llot, decide what to do with th	ese registers		<i>SuggestedRemedy</i> Change bit 7.0.15's na	me to 'AN reset'. Also in title	of 45.2.7.1.1.	
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 45 SC 45.2.7 David V James	<i>P</i> 35 JGG	L 8	# 639	<i>Cl</i> 45 <i>SC</i> 45.2.7.1 David V James	<i>Р</i> 36 JGG	L 15	# 641
Comment Type ER DVJ-28 Nonstandard table line	Comment Status X widths			Comment Type TR DVJ-30 Wrong table lines.	Comment Status X		
uggestedRemedy ==> very thin in center ==> thin on edges of he				SuggestedRemedy Very thin between rows	s, thin around the boundary, I	here and througou	t.
Proposed Response	Response Status O			Proposed Response	Response Status O		
6/ 45 SC 45.2.7.1	P 36	L 12	# 640	Cl 45 SC 45.2.7.1 Dawe, Piers	P 36 Agilent	L 2	# 476
David V James	JGG Comment Status X			Comment Type T Incomplete description	Comment Status X . What if AN completes succ	cessfully?	
DVJ-29 Nonstandard table line	widths			SuggestedRemedy	ress, completed, disabled or	not supported	
SuggestedRemedy ==> very thin in center ==> thin on edges of h				(I think) 0 = AN in prog Proposed Response	Response Status O		
Proposed Response	Response Status O						

Cl **45** SC **45.2.7.1** Page 20 of 135 9/2/2005 2:33:09 PM

C/ 45 SC 45.2.7.1.2 P 36 L 49 # 421 Barrass, Hugh Cisco Systems Cisco Systems
Comment Type T Comment Status X This statement is not true!
A 10GBASE-T PHY might lack the ability to support Backplane Ethernet and yet it will set this bit to 1. Both the second and third paragraph of this subclause are wrong and the information in them would be redundant even if it were corrected. SuggestedRemedy
Remove the second and third paragraph of the subclause.
Proposed Response Response Status O
Cl 45 SC 45.2.7.1.2 P 36 L 49 # 494 Dawe, Piers Agilent
Dawe, Piers Agilent Comment Type T Comment Status X 'Wrong bit in 'via bit 7.48.3 that it lacks the ability to perform Backplane Ethernet AN'?
SuggestedRemedy 7.48.0 ? Search for more occurrences.
Proposed Response Response Status O
CI 45 SC 45.2.7.1.2 P 36 L 49 # 477 Dawe, Piers Agilent
Comment Type T Comment Status X If a PMA/PMD reports that it lacks an ability, saying that bit 7.0.12
'should always be written as zero' (but it won't work) seems inappropriate.
SuggestedRemedy
SuggestedRemedy Change to 'If, the PMA/PMD shall return a value of zero in bit 7.0.12, and any attempt Proposed Response Response Status O

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

Cl **45** SC **45.2.7.1.2** Page 21 of 135 9/2/2005 2:33:09 PM

<i>Cl</i> 45 <i>SC</i> 45.2.7.1.2 Spagna, Fulvio	<i>P</i> 36 INTEL	L 52	# 189	<i>Cl</i> 45 <i>SC</i> 45.2.7. 1 Barrass, Hugh	-	P 37 sco Systems	L 4	# 422
Comment Type T Incorrect reference to Al SuggestedRemedy	Comment Status X N ability bit.			Comment Type T This sentence says th written as zero. This i		e ignored, then	n recommenc	ds that it should be
Change 7.48.3 into 7.48	3.0			The 802.3an wording	for the whole subcla	ause appears t	to be better.	
Proposed Response	Response Status O			SuggestedRemedy Replace the entire su	bclause with:			
<i>Cl</i> 45 <i>SC</i> 45.2.7.1.3 Spagna, Fulvio	P 36 INTEL	L 3	# 190	""If the PMA/PMD rep if auto-negotiation is any attempt to write a	disabled, the PMA/P	PMD shall retur		orm auto-negotiation, or zero in bit 7.0.9 and
Comment Type T Incorrect reference to A	<i>Comment Status</i> X N ability bit.			Otherwise, the auto-r				g bit 7.0.9 to a logic one in bit 7.0.9 until the
SuggestedRemedy On lines #3 and #4, cha	unge 7.48.3 into 7.48.0			auto-negotiation proc the ability to perform	ess has been initiate auto-negotiation, the	ed. If a PMA/Pl en this bit will h	MD reports v nave no mea	via bit 7.1.3 that it lacks ining, and should be
Proposed Response	Response Status O			logic zero. This bit is	ne auto-negotiation echoed in Clause 22	process shall r 2, register 0, bi	not be affecte it 9 (see 22.2	ed by clearing this bit to 2.4). Any read or write Il changes are reflected
		L 4	"	identically in both loc				
	P 37 Agilent	L 4	# 478	Proposed Response	Response Statu	ıs O		J.
Dawe, Piers <i>Comment Type</i> T Shorten, leave out the b or 'PHY' here? <i>SuggestedRemedy</i>	Agilent Comment Status X bad 'should be written'. Doe	s it matter whethe	er we say 'PMA/PMD'	<i>Cl</i> 45 <i>SC</i> 45.2.7. 1 Beck, Michael	Response Statu .3 F Alc	P 37 catel Bell n.v.	L8	# [779
Dawe, Piers <i>Comment Type</i> T Shorten, leave out the b or 'PHY' here? <i>SuggestedRemedy</i> Change to 'If a PMA/PM AN, or if AN is disabled,	Agilent Comment Status X	s it matter whethe 48.3 that it lacks t	er we say 'PMA/PMD' the ability to perform	Cl 45 SC 45.2.7.1 Beck, Michael Comment Type E typo: self-cleaning	Response Statu	P 37 catel Bell n.v.	L 8	
Dawe, Piers <i>Comment Type</i> T Shorten, leave out the b or 'PHY' here? <i>SuggestedRemedy</i> Change to 'If a PMA/PM AN, or if AN is disabled,	Agilent <i>Comment Status</i> X bad 'should be written'. Doe MD reports via bit 7.1.3 or 7.4 , the PMA/PMD shall return	s it matter whethe 48.3 that it lacks t	er we say 'PMA/PMD' the ability to perform	Cl 45 SC 45.2.7. 1 Beck, Michael Comment Type E	Response Statu .3 F Alc Comment Statu	P 37 catel Bell n.v.	L 8	

Cl **45** SC **45.2.7.1.3**

Cl 45 SC 45.2.7.1.3 Dawe, Piers	P 37 Agilent	L 8	# 479	<i>CI</i> 45 Barrass, Hu	<i>SC</i> 45.2.7.100 Jgh		3 L 18 Systems	# 429
Comment Type E self-cleaning	Comment Status X			Comment 1 The AN		Comment Status ady defined in 7.1.3	X there is no need for a	nother location.
SuggestedRemedy self-clearing				<i>Suggestedl</i> Delete	Remedy the definition for	7.48.0		
Proposed Response	Response Status O			Proposed F	Response	Response Status	0	
<i>Cl</i> 45 <i>SC</i> 45.2.7.1.3 Dawe, Piers	P 37 Agilent	L 8	# 482	<i>CI</i> 45 Kim, Yong	SC 45.2.7.100	P4: Broad	-	# 436
<i>Comment Type</i> E In clause 45, we don't s	<i>Comment Status</i> X ay 'logic one', 'logic zero', jus	st 'one', 'zero'.		Comment 7 It would		Comment Status ofine the relationship	X between 7.48.0 and 7	.48.1
SuggestedRemedy Delete 'logic' or 'a logic'. Proposed Response	. Scrub the clause. Response Status 0				fault value contex 7.100.1 to say th		•	.0 value is 0?~Add text s to 0 and ignored upon
				Proposed F	0	Response Status	0	
Cl 45 SC 45.2.7.100 Dawe, Piers	P 43 Agilent	L 11	# 492					
Comment Type T	<i>Comment Status</i> X y of bit 1.11.2': not. And it sl	ouldn't be exac	t conv of hit 1 11 1	CI 45 Booth, Brac	SC 45.2.7.100	P4:	3 <i>L</i> 6	# 598
SuggestedRemedy				Comment 7 In table		Comment Status ding for the right-ha	X nd column should be ""	R/W"" not ""RO"".
: Proposed Response	Response Status O			<i>Suggestedl</i> Change	R <i>emedy</i> e ""RO"" to be ""F	R/W"".		
			"	Proposed F	Response	Response Status	0	
C/ 45 SC 45.2.7.100 Kim, Yong	D P 43 Broadcom	L 11	# 442					
Comment Type TR	Comment Status X							
""This bit is an exact co 1.11.2:1 (45.2.1.10, pg 2	py of bit 1.11.2"" (referring to 29), it is Reserved.	7.48.3 10GBAS	SE-KT). Looking at					
SuggestedRemedy Please delete the line, c	or correct so that all are cons	istent						
Proposed Response	Response Status O							
	d ER/editorial required GR/g patched A/accepted R/rejec ubclause, page, line				d U/unsatisfied	Z/withdrawn	Cl 45 SC 45.2.7.100	Page 23 of 135 9/2/2005 2:33:09 F

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CI 45 SC 45.2.7.100 F David V James JG0	2 43 L 8	# 648	<i>Cl</i> 45 <i>SC</i> 45.2.7.12 Spagna, Fulvio	<i>P</i> 36 INTEL	L 42	# <u>1</u> 87
Comment Type ER Comment Statu DVJ-37 Nonstandard table line widths	s X		Comment Type E Add references to PMA	<i>Comment Status</i> X /PMD control registers.		
SuggestedRemedy ==> very thin in center ==> thin on edges of header and body Proposed Response Response Statu	s O		selection bits 1.0.13, 1. PMA/PMD type selection	ce in paragraph to read: ""I 0.6, and 1.0.5:2 in PMA/PM on bits 1.7.3:0 in PMA/PME nk configuration, and statio	ID control 1 regist control 2 register	er (Table 45-7) and (Table 45-4) shall
Cl 45 SC 45.2.7.100.1 P Dawe, Piers Agi	243 L 23	# 495	Proposed Response	Response Status O		
Comment Type E Comment Statu Capitals, order of words			Cl 45 SC 45.2.7.2 Dawe, Piers	P 37 Agilent	L 16	# 480
SuggestedRemedy Port type negotiated. Or better, Negotiate	ad nort type		Comment Type E Capitals	Comment Status X		
Proposed Response Response Statu			SuggestedRemedy AN status, next page al received, Link status	ble, new page, Parallel dete	ection fault, the pa	rallel detection, Page
C/ 45 SC 45.2.7.100.1 F Dawe, Piers Agil	2 43 <i>L</i> 25 ent	# 496	Proposed Response	Response Status 0		
Comment Type E Comment Statu Grammar, spell out small integers	is X		Cl 45 SC 45.2.7.2 Booth, Brad	P 37 Intel	L 22	# 596
SuggestedRemedy When the AN process Only one of the	three is		<i>Comment Type</i> ER In table 45-119, the hea	Comment Status X ading for the right-hand colu	umn should be ""R	/W"" not ""RO"".
Proposed Response Response Statu	s O		<i>SuggestedRemedy</i> Change ""RO"" to be "" = Self-Clearing, LL = La	R/W"". Add the following to atching Low	ext to footnote 1: L	H = Latching High, S
			Proposed Response	Response Status O		

Cl **45** SC **45.2.7.2**

C/ 45 SC 45.2.7.2 David V James	<i>Р</i> 37 JGG	L 24	# 642	<i>Cl</i> 45 <i>SC</i> 45.2.7.2 Spagna, Fulvio	<i>P</i> 37 INTEL	L 53	# 149
Comment Type ER DVJ-31 Nonstandard table line	Comment Status X				Comment Status X nd LL register types are missi	ng.	
SuggestedRemedy	Matte			SuggestedRemedy			
==> very thin in center ==> thin on edges of h				Add: SC = Self Clearing LH = Latched High			
Proposed Response	Response Status O			LL = Latched Low Proposed Response	Response Status O		
Cl 45 SC 45.2.7.2	P 37	L 26	# 481				
Dawe, Piers	Agilent			C/ 45 SC 45.2.7.2.1	P 38	L 5	# 423
Comment Type E	Comment Status X			Barrass, Hugh	Cisco Systems		
Names for ability bits (I	like AN ability)			Comment Type T	Comment Status X		
SuggestedRemedy				This register is a copy o	f Clause 28, register 6.2		
LD next page ability, Lf clause 73.	P next page ability, LP AN at	ility. May be ass	ociated changes in	SuggestedRemedy Add the following at the	end of the paragraph:		
Proposed Response	Response Status O			""This bit is a copy of Cl	ause 28, register 6, bit 2 (see	28.2.4.1.5).""	
				Proposed Response	Response Status 0		
<i>Cl</i> 45 <i>SC</i> 45.2.7.2 Spagna, Fulvio	<i>P</i> 37 INTEL	L 35	# 150		200		" 101
Comment Type E Correct formatting in re	Comment Status X			<i>Cl</i> 45 <i>SC</i> 45.2.7.2.2 Barrass, Hugh	P 38 Cisco Systems	L 11	# 424
SuggestedRemedy	0 11			<i>Comment Type</i> T This register is a copy o	<i>Comment Status</i> X f Clause 28, register 6.3		
Proposed Response	Response Status O			SuggestedRemedy Add the following at the	end of the paragraph:		
				""This bit is a copy of Cla Proposed Response	ause 28, register 6, bit 3 (see <i>Response Status</i> O	28.2.4.1.5).""	

C/ **45** SC **45.2.7.2.2**

urrass, Hugh Cisco Systems Agilent Dawe, Piers A gilent This register is a copy of Clause 28, register 6.1 If bil 7.14 really is the one and only remote fault. then does it map into aMediaAvailable (if it isn't change its name to 'AN remote fault.) Does. 3ap need to modify Add the following at the end of the paragraph: "This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)." "This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)." Proposed Response Response Response Status 45 SC 45.2.7.2.5 P 38 L 26 # 151 paragraph tilling is not consistent with other paragraph related to Register 7.1 register 7.1 is read via the management interface, and shall also be cleared by a AN Paragraph tilling is not consistent with other paragraph related to Register 7.1 register 7.1 is read via the management interface, and shall also be cleared by a AN regested/Brendy This register is a copy of Clause 22, register 1.5 P 38 L 40 # 484 Change title from "Auto-Negotiation complete" to "AN complete" Comment Status X When ho you want to clear this FP thi? D and says Bit 7.1.4 shall be cleared by a AN register 7.1 is read via the management interface, and shall also be cleared by a AN register 7.1 register All the another PHY AN soc, would you want an AN re					
This register is a copy of Clause 28, register 6.1 ggestedRemedy Add the following at the end of the paragraph: "This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)."" "This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)."" "This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)."" "This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)."" "This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)."" "This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)."" "This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)."" "This bit is a copy of Clause 28, register 7, 18, register 6, bit 1 (see 28.2.4.1.5)."" ? Proposed Response Response Status 0 Class C 45.2.7.2.6 P38 L40 # [484 Dawe, Piers Aglient Comment Type T Comment Status X When do you want to clear this RF bit? Draft says CBI 7.1.4 shall be cleared each time register 7.1 is register in the AN process when the PHY has established that con heat another PHY? Also, would you want an AN restart (as opposed lob AN reset) to balie to release the RF? SuggestedRemedy ? Response Status X This register is a copy of Clause 22, register 1.5 ggestedRemedy Add the following at the end of the paragraph: "This bit is a copy of Clause 22, register 1.5 ggestedRemedy Add the following at the end of the paragraph: "This bit is a copy of Clause 22, register 1.5 ggestedRemedy Add the following at the end of the paragraph: "This bit is a copy of Clause 22, register 1.5 ggestedRemedy Add the following at the end of the paragraph: "This bit is a copy of Clause 22, register 1.5 ggestedRemedy Add the following at the end of the paragraph: "This bit is a copy of Clause 22, register 1.5 ggestedRemedy Add the following at the end of the paragraph: "This bit is a copy of Clause 22, register 1.4 SuggestedRemedy Add the following at the end of the paragraph: "This bit is a copy of Clause 22, register 1. bit 4 (see 22.2.4.2.11)."	C/ 45 SC 45.2.7.2. 4 Barrass, Hugh		L 24	# 425	
gggested/emedy Add the following at the end of the paragraph: aAutoNegLocaTechnologyAbility? with bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5)." o roposed Response Response Status 0 45 SC 45.2.7.2.5 P 38 L 26 # 151 paragraph tilling is not consistent with other paragraph related to Register 7.1 roposed Response Response Status 0 Change tilte from "Auto-Negotiation complete" to "AN complete"" comment Type T Comment Status X When do you want to clear this RF bit? Draft says Bit 7.1.4 shall be cleared each time register 7.1 is register is a copy of Clause 22, register 1.5 Yes rmass, Hugh Clico Systems Norment Type T Comment Status X This register is a copy of Clause 22, register 1.5 Yes Pase Response Status 0 SuggestedRemedy ? Proposed Response Response Status 0 Cl 45 SC 45.2.7.2.6 P 38 L 41 # 427 gggestedRemedy ? ? Proposed Response Response Status 0 wires, Hugh Clico Systems Clico Systems Clico Systems Clico Systems mment Type T Comment Status X This register is a copy of Clause 22, register 1.4 427 </td <td></td> <td></td> <td></td> <td></td> <td>If bit 7.1.4 really is the one and only remote fault, then does it map into aMediaAvailable</td>					If bit 7.1.4 really is the one and only remote fault, then does it map into aMediaAvailable
*** This bit is a copy of Clause 28, register 6, bit 1 (see 28.2.4.1.5).** *** apposed Response Response Status O *** Proposed Response Response Status X Proposed Response *** Response Status X Proposed Response *** Response Status X Proposed Response *** Response Status X *** Paragraph titling is not consistent with other paragraph related to Register 7.1 *** argaraph titling is not consistent with other paragraph related to Register 7.1 *** argaraph titling is not consistent with other paragraph related to Register 7.1 *** argaraph titling is not consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph register 3.2 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph titling to consistent with other paragraph related to Register 7.1 *** argaraph related to Register 7.2 *** argaraph related to Registe	SuggestedRemedy Add the following at the	e end of the paragraph:			aAutoNegLocalTechnologyAbility?
poposed Response Response Status O 45 SC 45.2.7.2.5 P 38 L 26 # 151 pagana, Fulvio INTEL INTEL Dawe, Piers Aglient pagana, Fulvio INTEL Comment Status X Proposed Response Aglient Paragraph titling is not consistent with other paragraph related to Register 7.1 Comment Type T Comment Status X Paragraph titling is not consistent with other paragraph related to Register 7.1 Sc 45.2.7.2.5 P 38 L 33 # 426 45 SC 45.2.7.2.5 P 38 L 33 # 426 ? 45 SC 45.2.7.2.5 P 38 L 33 # 426 ? 45 SC 45.2.7.2.5 P 38 L 33 # 426 ? 45 SC 45.2.7.2.5 P 38 L 33 # 426 ? arrass, Hugh Cisco Systems Comment Status X Proposed Response Response Status O suggestedRemedy Comment Status X This register is a copy of Clause 22, register 1.5 P 38 L 41 # 427 ggestedRemedy Comment Status X Comment Type Comment Status X This register	""This bit is a copy of C	lause 28. register 6. bit 1 (see	28.2.4.1.5).""		?
baga, Fulvio INTEL comment Type ER comment Type Interface, and shall also be cleared by a N comment Type T comment Type T comment Type F comment Type T comm	Proposed Response	-	,		Proposed Response Response Status O
Paragraph titling is not consistent with other paragraph related to Register 7.1 IggestedRemedy Change title from ""Auto-Negotiation complete"" to ""AN complete"" copposed Response Response Status 0 45 SC 45.2.7.2.5 P 38 L 33 # 426 atrass, Hugh Cisco Systems comment Type T Comment Status Y Proposed Response Response Status O Cl 45 SC 45.2.7.2.6 P 38 L 41 # 427 Inst register is a copy of Clause 22, register 1.5 ggestedRemedy Cisco Systems Cisco Systems "This register is a copy of Clause 22, register 1, bit 5 (see 22.2.4.2.10)."" Cisco Systems Cisco Systems Copposed Response Response Status O Cit 45 SC 45.2.7.2.6 P 38 L 41 # 427 Barrass, Hugh Cisco Systems Cisco Systems Cisco Systems Comment Type T Comment Status X "This bit is a copy of Clause 22, register 1, bit 5 (see 22.2.4.2.10)."" This register is a copy of Clause 22, register 1.4 SuggestedRemedy Add the following at the end of the paragraph: ""This bit is a copy	2/ 45 <i>SC</i> 45.2.7.2. pagna, Fulvio		L 26	# 151	
45 SC 45.2.7.2.5 P 38 L 33 # 426 ? arrass, Hugh Cisco Systems Proposed Response Response Status 0 omment Type T Comment Status X This register is a copy of Clause 22, register 1.5 0 riggestedRemedy Add the following at the end of the paragraph: Ci 45 SC 45.2.7.2.6 P 38 L 41 # 427 Barrass, Hugh Cisco Systems romposed Response Response Status O Ci 45 SC 45.2.7.2.6 P 38 L 41 # 427 Barrass, Hugh Cisco Systems Cisco Systems Comment Type T Comment Status X ropposed Response Response Status O This register is a copy of Clause 22, register 1.4 SuggestedRemedy Add the following at the end of the paragraph: ""This bit is a copy of Clause 22, register 1.4 SuggestedRemedy Add the following at the end of the paragraph: ""This bit is a copy of Clause 22, register 1, bit 4 (see 22.2.4.2.11).""	SuggestedRemedy	o-Negotiation complete"" to ""A		egister 7.1	When do you want to clear this RF bit? Draft says 'Bit 7.1.4 shall be cleared each time register 7.1 is read via the management interface, and shall also be cleared by a AN reset.' This isn't the way a non-AN link can start up - first RF on, then clears itself. Wo this clearing be better a little later in the AN process when the PHY has established that can hear another PHY? Also, would you want an AN restart (as opposed to AN reset) the start of the start
This register is a copy of Clause 22, register 1.5 <i>laggestedRemedy</i> Add the following at the end of the paragraph: ""This bit is a copy of Clause 22, register 1, bit 5 (see 22.2.4.2.10)."" <i>Cl</i> 45 <i>SC</i> 45.2.7.2.6 <i>P</i> 38 <i>L</i> 41 <i>#</i> 427 <i>Barrass</i> , Hugh <i>Cisco</i> Systems <i>Comment Type</i> T <i>Comment Status</i> X This register is a copy of Clause 22, register 1.4 <i>SuggestedRemedy</i> Add the following at the end of the paragraph: ""This bit is a copy of Clause 22, register 1, bit 4 (see 22.2.4.2.11)."" ""This bit is a copy of Clause 22, register 1, bit 4 (see 22.2.4.2.11).""	27 45 <i>SC</i> 45.2.7.2. arrass, Hugh		L 33	# 426	?
""This bit is a copy of Clause 22, register 1, bit 5 (see 22.2.4.2.10)."" This register is a copy of Clause 22, register 1.4 roposed Response Response Status O SuggestedRemedy Add the following at the end of the paragraph: ""This bit is a copy of Clause 22, register 1, bit 4 (see 22.2.4.2.11).""	This register is a copy	of Clause 22, register 1.5			Barrass, Hugh Cisco Systems
Add the following at the end of the paragraph: ""This bit is a copy of Clause 22, register 1, bit 4 (see 22.2.4.2.11).""	""This bit is a copy of C	Clause 22, register 1, bit 5 (see	22.2.4.2.10).""		
	Proposed Response	Response Status O			
Proposed Response Response Status O					""This bit is a copy of Clause 22, register 1, bit 4 (see 22.2.4.2.11).""
					Proposed Response Response Status O

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

Cl **45** SC **45.2.7.2.6** Page 26 of 135 9/2/2005 2:33:09 PM

<i>Cl</i> 45 <i>SC</i> 45.2.7.2 Spagna, Fulvio	2.7 <i>P</i> 38 INTEL	L 43	# 152	Cl 45 SC 45.2.7.2.8 Dawe, Piers	P 38 Agilent	L 52	# 485
0 0	Comment Status X ot consistent with other paragra	aph related to Re	gister 7.1	Comment Type T 'Bit 7.1.2 will be set to or requiring?	Comment Status X ne when' Are you obser	ving, predicting, rec	commending,
SuggestedRemedy Change title from ""An Proposed Response	uto-Negotiation ability"" to ""Al <i>Response Status</i> O	N ability""		shall be set to one when cleared to zero otherwis	-		
<i>Cl</i> 45 <i>SC</i> 45.2.7.2 Dawe, Piers	2.7 P 38 Agilent	L 45	# 493	Proposed Response	Response Status O		
Comment Type T Bit 7.48.0 seems to d	Comment Status X luplicate 7.1.3.			<i>Cl</i> 45 <i>SC</i> 45.2.7.3 Spagna, Fulvio	P 38 INTEL	L 26	# 153
SuggestedRemedy If 7.1.3 could apply to auto-negotiation', or v the duplication. Proposed Response	o other types of AN, spell it out whatever the case is. If they a <i>Response Status</i> O	: 'clause 28, clau re duplicates, ge	se 37 or clause 73 t rid of 7.48.0 or justify	Comment Type ER Notation consistency pro SuggestedRemedy Change following from: 7.16.12 C2	See 73.6	R/W	
Cl 45 SC 45.2.7.2 Barrass, Hugh Comment Type T	2.7 P 38 Cisco System Comment Status X	L 47 ns	# 428	7.16.11:10 Pause 7.16.9:5 E4:E0 to:	C1:C0 See 73. See 73.6.2	.6.5 R/W R/W	
This register is a copy SuggestedRemedy	y of Clause 22, register 1.3			7.16.12 Reserved 7.16.11:10 Pause 7.16.9:5 Echoed N Proposed Response	C[2]See 73.6 C[1:0] See 73. once Field E[4:0] See <i>Response Status</i> O		
Ū	Clause 22, register 1, bit 3 (se	ee 22.2.4.2.12)."'		rioposeu nesponse			
Proposed Response	Response Status O	,		Cl 45 SC 45.2.7.3 Dawe, Piers	P 39 Agilent	L 10	# 486
				Comment Type E Capitals	Comment Status X		
					ers. Also acknowledge, lin code field, next page link		bility on next page.
				i artifer eng ernennattea			

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

Cl 45 F SC 45.2.7.3 S

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CI 45 SC 45.2.7.3 Marris, Arthur	P 39	L 12	# 28	Cl 45 SC 45.2.7.3 Dawe, Piers	P 39 Agilent	L 35	# 487
Comment Type E What does ""register(s)	<i>Comment Status</i> X "" mean?			Comment Type T Which bit? And, migh future.	Comment Status X t be better not to say 'BP' if we	e intend to use th	his AN elsewhere in
SuggestedRemedy Consider changing ""req 22 and 50 on page 40. Proposed Response	gisters(s)"" to ""registers"" or Response Status O	lines 12 and 36	and also on lines 9,	SuggestedRemedy 'If an AN ability bit', 'If Similarly in fallowing s Proposed Response	any AN ability bit', 'If a BP AN ubclauses. Response Status O	ability bit' or 'lf a	any BP AN ability bit'.
/ 45 <i>SC</i> 45.2.7.3 avid V James	<i>Р</i> 39 JGG	L 17	# 643	<i>Cl</i> 45 <i>SC</i> 45.2.7.3 Spagna, Fulvio	Р 39 INTEL	L 40	# 154
Comment Type ER DVJ-32 Nonstandard table line v	Comment Status X			Comment Type E	Comment Status X rephrased as it is not clear.		
SuggestedRemedy ==> very thin in center ==> thin on edges of he	adar and hady			<i>SuggestedRemedy</i> I wish I knew. I do not	understand what is being said	I.	
Proposed Response	Response Status O			Proposed Response	Response Status O		
7 45 <i>SC</i> 45.2.7.3 avid V James	P 39 JGG	L 19	# 644	Cl 45 SC 45.2.7.4 Dawe, Piers	P 40 Agilent	L 12	# 488
Comment Type TR DVJ-33	Comment Status X			Comment Type T Could 'contain the LP understand?	Comment Status X base page ability of the BP Et	hernet PHY' be	made easier to
	e word, possibly run-togethe ns and hard to parse within		ey are abused when	SuggestedRemedy Is this better: 'contain	the advertised base page abili	ty of the PHY's	link partner'
NoRemedySupplied				Proposed Response	Response Status O		
Proposed Response	Response Status O						

C/ **45** SC **45.2.7.4** Page 28 of 135 9/2/2005 2:33:09 PM

<i>Cl</i> 45 <i>SC</i> 45.2.7.4 Spagna, Fulvio	<i>P</i> 40 INTEL	L 14	# 156	CI 45 SC 45.2.7.4 P 40 L 26 # 645 David V James JGG	;
Comment Type ER Text indicates that all Al are R/W.	<i>Comment Status</i> X N LP bits are read only. Tabl	le 45-121 indicat	es that bits 7.20.4:0	Comment Type ER Comment Status X DVJ-34 Nonstandard table line widths	
SuggestedRemedy Enforce consistency.				SuggestedRemedy ==> very thin in center ==> thin on edges of header and body	
Note: If 7.20.4:0 is of typ Proposed Response	pe R/W the table needs to be Response Status O	e amended to sh	ow what R/W means.	Proposed Response Response Status O	
6/ 45 SC 45.2.7.4	P 40	L 19	# 489	CI 45 SC 45.2.7.4 P 40 L 28 # 285 McClellan, Brett Solarflare)
awe, Piers <i>Comment Type</i> T Last sentence is nothing	Agilent <i>Comment Status</i> X g to do with this subclause.			Comment Type T Comment Status X ""7.20.15:5 Technology Ability Field A[0:10] See 73.6.4"" The bits A[10:0] are listed in reverse order.	
SuggestedRemedy Move it to 45.2.7.2.5. N step.	flay be able to shorten or con	nbine it. Move/c	hange PICS AM34 in	SuggestedRemedy change text to: ""7.20.15:5 Technology Ability Field A[10:0] See 73.6.4""	
Proposed Response	Response Status O			Proposed Response Response Status O	
2/ 45 <i>SC</i> 45.2.7.4 ooth, Brad	P 40 Intel	L 24	# 597	Cl 45 SC 45.2.7.4 P 40 L 35 # 155 Spagna, Fulvio INTEL	;
<i>Comment Type</i> ER In table 45-121, the hea	Comment Status X	nn should be ""R	/W"" not ""RO"".	Comment Type ER Comment Status X Notation consistency problems in Table 45-121	
SuggestedRemedy Change ""RO"" to be ""F	R/W"". Add the following tex	t to footnote 1: F	R/W = Read/Write	SuggestedRemedy hange following from:	
Proposed Response	Response Status O			7.19.12 C2 See 73.6 R/W 7.19.11:10 Pause C1:C0 See 73.6.5 R/W 7.19.9:5 E4:E0 See 73.6.2 R/W	
				to:	
				7.19.12 Reserved C[2]See 73.6 R/W	
				7.19.11:10 Pause C[1:0] See 73.6.5 R/W 7.19.9:5 Echoed Nonce Field E[4:0] See 73.6.2 R/W	

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/generalC/45COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnC/45SORT ORDER:Clause, Subclause, page, lineC/45C/45

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<i>Cl</i> 45 <i>SC</i> 45.2.7.5 Spagna, Fulvio	<i>P</i> 40 INTEL	L 46	# 157	Cl 45 SC 45.2.7.5 Spagna, Fulvio	<i>P</i> 41 INTEL	L 21	# 158
Comment Type T Incorrect reference to	Comment Status X BP AN Ability bit.			Comment Type E All bits in the table are	Comment Status X e defined as R/W.		
SuggestedRemedy Change 7.48 into 7.48	9.0			SuggestedRemedy Remove RO definition	l.		
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 45 SC 45.2.7.5 Dawe, Piers	P 40 Agilent	L 47	# 490	<i>Cl</i> 45 <i>SC</i> 45.2.7.5 David V James	<i>P</i> 41 JGG	L 9	# 646
Comment Type E Consistency with 802.3 that references 28.2.3	Comment Status X 3an. Compare P802.3an/D2. .4. Other differences.	2 45.2.7.8. This re	eferences 73.7.7.1,	Comment Type ER DVJ-35 Nonstandard table line	Comment Status X		
1	compare the two Cl.45 AN se Ily; just say 'of the PHY' or 'of		es like 'of the BP	SuggestedRemedy ==> very thin in cente ==> thin on edges of I			
Proposed Response	Response Status O			Proposed Response	Response Status O		
6/ 45 <i>SC</i> 45.2.7.5 IcClellan, Brett	P 41 Solarflare	L 10	# 286	<i>Cl</i> 45 <i>SC</i> 45.2.7.6 Spagna, Fulvio	<i>P</i> 41 INTEL	L 26	# 159
<i>comment Type</i> T ""7.23.15:0 Unformatte The bits U[0:15] are lis	Comment Status X ed Code Field U[0:15] or U[26 sted in reverse order.	:11] See 73.7.7.1		Comment Type T Incorrect reference to	Comment Status X BP AN Ability bit.		
uggestedRemedy change text to:				SuggestedRemedy Change 7.48 into 7.48	3.0		
0	ed Code Field U[15:0] or U[26	:11] See 73.7.7.1		Proposed Response	Response Status O		
Proposed Response	Response Status 0						

Cl **45** SC **45.2.7.6**

Comment Type T Comment Status X Comment Type ""7.26.15:0 Unformatted Code Field U[0:15] or U[26:11] See 73.7.7.1x"" Diversion of the set of	
""7.26.15:0 Unformatted Code Field U[0:15] or U[26:11] See 73.7.7.1x"" Diverpoint of the probability	45 SC 45.2.7.6 P 42 L 9 # 647 avid V James JGG
change text to:*********************************	omment Type ER Comment Status X DVJ-36 Nonstandard table line widths
Cl 45 SC 45.2.7.6 P 42 L 21 # 160 Cl 45 Spagna, Fulvio INTEL Booth, Comment Type E Comment Status X Comm All bits in the table are defined as R/W. Pl SuggestedRemedy SuggestedRemedy SuggestedRemedy Remove RO definition. As Proposed Proposed Cl 45 SC 45.2.7.6 P 42 L 9 # 491 Cl 45 Dawe, Piers Agilent Dawe, Proposed Comment Status X Comm Comment Type T Comment Status X Comm Proposed SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy R/W? SuggestedRemedy SuggestedRemedy SuggestedRemedy RO, I think Pe SuggestedRemedy SuggestedRemedy RO, I think Pe SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy RO, I think Pe SuggestedRemedy SuggestedRemedy SuggestedRemedy	uggestedRemedy ==> very thin in center ==> thin on edges of header and body
Spagna, Fulvio INTEL Booth, Comment Type E Comment Status X All bits in the table are defined as R/W. PI SuggestedRemedy PI SuggestedRemedy Sugge Sugge Remove RO definition. As Proposed Response Response Status O Proposed CI 45 CI 45 SC 45.2.7.6 P 42 L 9 # 491 CI 45 Dawe, Piers Agilent Dawe, Pawe, Pawe, Pawe, Comment Type T Comment Status X Comment SuggestedRemedy Sugge Sugge Pawe, Pawe, R/W? T Comment Status X Comment SuggestedRemedy Sugge Sugge Sugge Sugge RO, I think Pe Sugge Sugge Pe	oposed Response Response Status O
All bits in the table are defined as R/W. PI SuggestedRemedy Sugge Remove RO definition. As Proposed Response Response Status O Proposed CI 45 SC 45.2.7.6 P 42 Dawe, Piers Agilent Comment Type T Comment Status X Comment Status Comment Status SuggestedRemedy Sugge Sugge R/W? SuggestedRemedy Sugge RO, I think Pe	45 SC 45.5 P 43 L 37 # 599 both, Brad Intel
Remove RO definition. As Proposed Response Response Status O Cl 45 SC 45.2.7.6 P 42 L 9 Dawe, Piers Agilent Dawe, Comment Type T Comment Status X R/W? PI SuggestedRemedy Sugge RO, I think Pe	omment TypeERComment StatusXPICS should start at the top of a new page.
Cl 45 SC 45.2.7.6 P 42 L 9 # 491 Cl 45 Dawe, Piers Agilent Dawe, Comment Type T Comment Status X R/W? PI SuggestedRemedy Sugge RO, I think Pe	<i>lggestedRemedy</i> As per comment.
Dawe, PiersAgilentDawe,Comment TypeTComment StatusCommentR/W?PiPiPiSuggestedRemedySuggestedRemedySuggestedRemedyRO, I thinkPiPi	oposed Response Response Status O
R/W?PISuggestedRemedySuggeRO, I thinkPe	45 SC 45.5 P 43 L 37 # 497 awe, Piers Agilent
RO, I think Pe	omment Type E Comment Status X PICS always start a new page, need copyright release footnote.
	<i>IggestedRemedy</i> Per comment, for three or four clauses.
Proposed Response Response Status O Propos	oposed Response Response Status O

Cl **45** SC **45.5** Page 31 of 135 9/2/2005 2:33:09 PM

Cl 45 SC 45.5.3.3 Ganga, llango	P 45 Intel	L 32	# 621	<i>Cl</i> 45 <i>SC</i> 45.7.2.1 Barrass, Hugh	P 36 Cisco System	L 5 IIS	# 414
	Comment Status X rough 1.155 are defined for B t at 1.150 through 1.155""	P. Change line	to read as ""Extensions	This register has clearly be Also, a dual speed (10G/10 registers in order to operate	i) device might be imple at both speeds. A singl	menting both Cla e speed 1G dev	ause 22 and Clause 45 ice might be operating
00 ,	""Extensions for Backplane E	Ethernet at 1.150) through 1.155""	using only the Clause 22 in support 1000BASE-KX.	terface, with the extende	ed access for Cla	ause 45 registers to
Proposed Response	Response Status O			There needs to be a note to	tie the bits of this regist	ter and Clause 2	2 register 0 together.
				SuggestedRemedy			
Cl 45 SC 45.5.3.5 McClellan, Brett	P 46 Solarflare	L 1	# 282	Add the following at the end	l of the paragraph:		
Comment Type ER The PICS are inconsis SuggestedRemedy	<i>Comment Status</i> X tent with P802.3an.			""A device that supports mu operation and Clause 45 co duplicated in both definition in both locations, any reads the Clause 22 location or th	ntrol register operation. s. The register bits to co or writes to these bits b	Some control fu ontrol these funct	nctions have been ions are simply echoed
	.3an and use consistent PIC	numbering and	naming.				
Proposed Response	Response Status O			Proposed Response Re	esponse Status O		
Cl 45 SC 45.5.3.5	P 46	L 54	# 649	Cl 45 SC Table 45-11 Baumer, Howard	P 29 Broadcom	L 16	# 312
David V James	JGG			Comment Type TR C	Comment Status X		
Comment Type TR	Comment Status X			Missing 1000BASE-KX PM			
	f page, leading to a blank line	between table r	ows.	SuggestedRemedy Add 1000BASE-KX PMD/P	MA type		
SuggestedRemedy Use debugged templat http://grouper.ieee.org	es, at: g/groups/msc/WordProcessor	s.html		Proposed Response Re	esponse Status O		
Proposed Response	Response Status O						

C/ 45 SC Table 45-11

Cl 45 SC Table 45-11 P 29 L 16 # 291 Zimmerman, George Solarflare Communica	C/ 45 SC Table 45-55 P 31 L 17 # 314 Baumer, Howard Broadcom
Comment Type E Comment Status X 1.11.2 is reserved here and 10GBASE-T ability in 802.3an	Comment Type TR Comment Status X Vendor specific register bits should be in IEEE standard register bit space. There are 32k vendor specific registers for these bits.
SuggestedRemedy align drafts - be consistent - in many other places the concurrent draft changes are called out. Add an editor's note so that these bits don't get re-mapped to reserved should this amendment follow the 802.3an amendment (I suspect similar treatment is deserved 802.3aq).	SuggestedRemedy SuggestedRemedy Remove these vendor specific bits from this register and relabel these as reserved. Proposed Response Response Status O
Proposed Response Response Status O	
C/ 45 SC Table 45-12 P 29 L 16 # 313	Cl 45 SC Table 45-56 P 32 L 14 # 315 Baumer, Howard Broadcom Broadcom
Baumer, Howard Broadcom	Comment Type TR Comment Status X
Comment Type E Comment Status X	Vendor specific register bits should be in IEEE standard register bit space. There are 32k vendor specific registers for these bits.
Why are bits 1 & 2 reserved? These sohould be continuously filled.	SuggestedRemedy
SuggestedRemedy Move .4 & .3 down to start at .1 & .2 unless taken by another TF. If taken by another task force then so state	Remove these vendor specific bits from this register and relabel these as reserved.Proposed ResponseResponse StatusO
Proposed Response Response Status O	
C/ 45 SC Table 45-5 P 26 L 8 # 290	Cl 45 SC Table 45-57 P 33 L 25 # 316 Baumer, Howard Broadcom
Zimmerman, George Solarflare Communica	Comment Type TR Comment Status X
Comment Type E Comment Status X	Vendor specific register bits should be in IEEE standard register bit space. There are 32k vendor specific registers for these bits.
Table is incorrectly labeled as 45-1. (yeah, I know it's small)	SuggestedRemedy
SuggestedRemedy	Remove these vendor specific bits from this register and relabel these as reserved.
Correct labeling of table to whatever is correct in rev am I think it should be 45-5.	Proposed Response Response Status O
Proposed Response Response Status O	

Cl 45 SC Table 45-57

Cl 45 SC Table Baumer, Howard	45-58 <i>P</i> 34 Broadcom	L 14	# 317	<i>Cl</i> 69 Dawe, Pie	SC 69.1.1 rs	P 49 Agilent	L 10	# 498
vendor specific regis	Comment Status X ster bits should be in IEEE star sters for these bits. or specific bits from this registe	Ū		Suggested Delete	either the chass dRemedy e 'modular'?	Comment Status X is or the backplane need to be	e modular to for	backplane Ethernet?
Proposed Response	Response Status O			Proposed	Response	Response Status O		
Cl 45 SC Table	45-7 <i>P</i> 28 Solarflare Co	L 13 ommunica	# 292	<i>Cl</i> 69 Marris, Art		P 49	L 16	# 29
Comment Type E 10GBASE-T only ha SuggestedRemedy	Comment Status X is a PMA type			Suggested	ge ""included"" t			
Change 10GBASE-	F PMA/PMD type to 10GBASE Response Status 0	-T PMA type, per	802.3an D2.2	,	Response	Response Status O		
C/ 69 SC 69. Baumer, Howard	P 49 Broadcom	L 1	# 318	<i>Cl</i> 69 Marris, Art	SC 69.1.1	P 49	L 20	# 30
Comment Type TR Draft is technically ir standard is to specif backplane, etc.) and specified in Clause	Comment Status X noomplete. The minimum that y the transmitter, the channel / I the receiver. The transmitter 70, 71, & 72. The channel is dr all" statements. This makes it	media (Cu cable and receiver for e efined as informa	, optical fiber, each PMD type are tive in Clause 69 where	duple> 1000E half-du	have the paragra k mode of opera BASE-X PCS, ar uplex mode of o	Comment Status X aph ""Backplane Ethernet supp tion. Since there are no modif nd the network radius is limited peration may also be supporte helpful, irrelevant in a PHY sp	ications to the IE d to the modular ed at 1000 Mb/s.	EEE 802.3 MAC or chassis backplane, the ""?
	to a normative clause adding ir nits to the appropriate values a Response Status O				•	above paragraph. Response Status O	-	-

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

Cl 69 SC 69.1.1 Page 34 of 135 9/2/2005 2:33:09 PM

C/ 69 SC 69.1.1 Dawe, Piers	P 49 Agilent	L 23	# 499	C/ 69 SC 69.1.2 Kim, Yong	P 49 Broadcom	L 31	# 444
Comment Type E supported? SuggestedRemedy	Comment Status X				Comment Status X CISPR/FCC Class A"" is a fine 2.3 specification. Instead, specification.		
used				SuggestedRemedy	y requirements.		
Proposed Response	Response Status O			Delete and re-number	er. See other PHY sections u do not want to use the word ""e		
C/ 69 SC 69.1.1	P 49 Cisco System	L 23 s	# 430	Proposed Response	Response Status O		
Comment Type T	Comment Status X			C/ 69 SC 69.1.2	P 49	L 31	# 14
	nat half-duplex is supported bu	ut there does not	appear to be any	Flatman, Alan	LAN Techno	logies	
mechanism to select	negotiate or control this mode			Comment Type T	Comment Status X		
Most sentient beings a	accept that half-duplex modes	are a historical	aberration and should	Item c) should also r	refer to noise immunity, in line	with 70.8.4, 71.8	8.4 and 72.8.4.
Most sentient beings a be discouraged where	accept that half-duplex modes	are a historical a	aberration and should	SuggestedRemedy	refer to noise immunity, in line I noise immunity" to end of text <i>Response Status</i> O		3.4 and 72.8.4.
Most sentient beings a be discouraged where	accept that half-duplex modes ever possible.	are a historical a	aberration and should	SuggestedRemedy add "rf emission and	I noise immunity" to end of text		3.4 and 72.8.4.
Most sentient beings a be discouraged where <i>SuggestedRemedy</i> Remove mention of ha	accept that half-duplex modes ever possible.	are a historical a	aberration and should	SuggestedRemedy add "rf emission and	I noise immunity" to end of text		# <u>308</u>
Most sentient beings a be discouraged where SuggestedRemedy Remove mention of ha Proposed Response	accept that half-duplex modes ever possible. alf-duplex mode.	are a historical a	aberration and should # 443	SuggestedRemedy add "rf emission and Proposed Response Cl 69 SC 69.1.2 Seemann, Brian Comment Type E	I noise immunity" to end of text Response Status O P 49	t in item c) L 33	# 308
Most sentient beings a be discouraged where SuggestedRemedy Remove mention of ha Proposed Response (7 69 SC 69.1.2 im, Yong Comment Type TR ""a) Support the CSM/ is no carrier sense nor	accept that half-duplex modes over possible. alf-duplex mode. <i>Response Status</i> O	L 29 ce 802.3ap is ful	# 443	SuggestedRemedy add "rf emission and Proposed Response Cl 69 SC 69.1.2 Seemann, Brian Comment Type E This sentence uses d) Support operation a printed	I noise immunity" to end of text <i>Response Status</i> O <i>P</i> 49 Xilinx <i>Comment Status</i> X	t in item c) <i>L</i> 33 ements of 69.3"" erential, controlle	# <u>308</u> ', but 69.3 is informativ ed impedance traces of
Most sentient beings a be discouraged where SuggestedRemedy Remove mention of ha Proposed Response C/ 69 SC 69.1.2 Cim, Yong Comment Type TR ""a) Support the CSM/ is no carrier sense nor SuggestedRemedy	accept that half-duplex modes over possible. alf-duplex mode. <i>Response Status</i> O <i>P</i> 49 Broadcom <i>Comment Status</i> X A/CD MAC"" - Confusing, sinc r collision detecction in full-dup	<i>L</i> 29 ce 802.3ap is ful olex.	# 443	SuggestedRemedy add "rf emission and Proposed Response Cl 69 SC 69.1.2 Seemann, Brian Comment Type E This sentence uses d) Support operation a printed circuit board with 2 c	I noise immunity" to end of text <i>Response Status</i> O <i>P</i> 49 Xilinx <i>Comment Status</i> X the words ""meeting the require n over links consistent with diffe	t in item c) <i>L</i> 33 ements of 69.3"" erential, controlle	# 308 ', but 69.3 is informatived impedance traces o
Most sentient beings a be discouraged where SuggestedRemedy Remove mention of ha Proposed Response Cl 69 SC 69.1.2 Kim, Yong Comment Type TR ""a) Support the CSM/ is no carrier sense nor SuggestedRemedy	accept that half-duplex modes over possible. alf-duplex mode. <i>Response Status</i> O <i>P</i> 49 Broadcom <i>Comment Status</i> X A/CD MAC"" - Confusing, since	<i>L</i> 29 ce 802.3ap is ful olex.	# 443	SuggestedRemedy add "rf emission and Proposed Response Cl 69 SC 69.1.2 Seemann, Brian Comment Type E This sentence uses d) Support operation a printed circuit board with 2 c of 69.3. SuggestedRemedy	I noise immunity" to end of text <i>Response Status</i> O <i>P</i> 49 Xilinx <i>Comment Status</i> X the words ""meeting the require n over links consistent with diffe	t in item c) <i>L</i> 33 ements of 69.3"" erential, controlle to at least 1m mo	# <u>308</u> , but 69.3 is informatived impedance traces o eeting the requirement

Cl 69 SC 69.1.2

C/ 69 SC 69.1.2 Dawe, Piers	<i>P</i> 49 Agilent	L 33	# 500	Cl 69 SC 69.1.3 Dawe, Piers	P 41 Agilent	L 18	# 501
Comment Type E 1m. In 71.1, 50cm (n	Comment Status X not SI) and 1m. Later, 1Gb/s			Comment Type T PCS is part of PHY	Comment Status X		
SuggestedRemedy 1 space m, 0.5 space	e m , and so on.			SuggestedRemedy Extend the PHY bra	cket to top of upper PCSs.		
Proposed Response	Response Status O			Proposed Response	Response Status O		
<i>Cl</i> 69 <i>SC</i> 69.1.2 Diab, Wael	P 49 Cisco	L 37	# 611	<i>Cl</i> 69 <i>SC</i> 69.1.3 Booth, Brad	9 P 50 Intel	L 17	# 605
	Comment Status X that the BER should be 10e-12 te? Could a better BER be read			Comment Type TR In Figure 69-1, infor about the medium.	Comment Status X mation on the interfaces is inco	prrect and the figu	ure is a bit misleading
SuggestedRemedy Please state the BER Proposed Response	requirements for each interfac Response Status O	e seperately		information should b	rovide an overview of the archit be contained in each port type o se and delete irrelevant informa	lause; therefore,	
C/ 69 SC 69.1.2 David V James	<i>Р</i> 50 JGG	L 11	# 650	For this figure, remove the TBI and XSBI. While AN is applied to all port types, this implies that AN should support all port types via one MDI to one MEDIUM. This is not accurate. Break AN into 3 parts and change the name from AN to AN*. Put a MEDIUM under each port type.			
	Comment Status X s; its against the style manual,	confusing, and	obfuscates the	Proposed Response	Response Status O		
meaning of capitalized	d special words. notation within figures, here and	d througout		<i>Cl</i> 69 <i>SC</i> 69.1.3 Barrass, Hugh	P 50 Cisco Syster	L 18 ns	# 411
Proposed Response	Response Status O	i filougout.			Comment Status X nbers are not shown in the diag n of BPE"" as promised.	ram. Thus the dia	agram fails to show the
roposeu nesponse							
rioposeu nesponse				SuggestedRemedy Add the Clause nun	nbers to the reflect BP Clauses		

Cl 69 SC 69.1.3

<i>Cl</i> 69 <i>SC</i> 69.1.3 Booth, Brad	P 50 Intel	L 19	# 588	<i>Cl</i> 69 <i>SC</i> 69.2 Spagna, Fulvio	P 49 INTEL	L 33	# 161
Comment Type E In Figure 69-1, the P	Comment Status X HY bracket on the right should	also encompass	the PCS blocks.	Comment Type ER Text indicates that li	Comment Status X nk is meeting requirements of 6	9.3 which is info	rmative.
SuggestedRemedy Increase the size of	the bracket.			SuggestedRemedy Remove ""meeting t	he requirements of 69.3""		
Proposed Response	Response Status O			Proposed Response	Response Status O		
<i>Cl</i> 69 <i>SC</i> 69.1.3 Barrass, Hugh	P 50 Cisco System	L 44	# 431	<i>Cl</i> 69 <i>SC</i> 69.2.2 Barrass, Hugh	Р 51 Cisco System	L 11	# 432
Comment Type T A 1Gbps MAC devic MDIO interface.	Comment Status X e (interfacing using GMII) would	d most likely pref	er to use a Clause 22	Comment Type T A 1Gbps MAC devic MDIO interface.	Comment Status X e (interfacing using GMII) would	d most likely pre	fer to use a Clause 22
SuggestedRemedy Change ""Clause 45	"" to ""Clause 45 or Clause 22 (for 1Gbps device	es)""	SuggestedRemedy Add a sentence:			
Proposed Response	Response Status O				ot implement 10Gbps interfaces nagement interface.""	s may use the Cl	ause 22 definition for
<i>Cl</i> 69 <i>SC</i> 69.1.3 Dawe, Piers	P 51 Agilent	L 10	# 502	Proposed Response	Response Status O		
Comment Type T	Comment Status X			C/ 69 SC 69.2.3	P 51	L 16	# 6
This statement 'The 45.1 'The MDIO elec	MDIO/MDC management interl trical interface is optional.'	ace (Clause 45)	provides' contradicts	Daines, Kevin			
SuggestedRemedy	·			Comment Type E ""1Gb/s"" should be	Comment Status X ""1 Gb/s"" to be consistent with	the base standa	ard.
Change to 'can provide'.	de', 'may provide', 'may conver	niently provide', o	r 'is intended to	SuggestedRemedy			
Proposed Response	Response Status O			Per comment			
op oo ou cop on oo							

Cl 69 SC 69.2.3

CI 69 SC 69								
Dawe, Piers).2.3	P 51 Agilent	L 18	# <u>503</u>	Cl 69 SC 69. McClellan, Brett	2.3 <i>P</i> 51 Solarfla	<i>L</i> 38 .re	# 278
Comment Type	T Comment	t Status X			Comment Type E	Comment Status	(
		below you say '	This embodiment	t is based on XAUI with	Clause 70 specif	fies the 1000BASE-KX PMD,	not PMD/PCS/PMA.	
10GBASE-CX4	extensions'				SuggestedRemedy			
SuggestedRemedy						try from ""1000BASE-KX PM	D/PCS/PMA""	
	ence 'The 1000BASE and 10GBASE-KR.	-KX PMD is def	fined in Clause 70).' Similarly for	to: ""1000BASE-	KX PMD""		
Proposed Response		Status O			Proposed Response	Response Status	ס	
r roposed nespons	s nesponse	Status 0						
					CI 69 SC 69.	2.3 P 51	L 47	# 255
C/ 69 SC 69).2.3	P 51	<i>L</i> 21	# 7	Tom Palkert	Xilinx		
Daines, Kevin					Comment Type E	Comment Status	(
21		t Status X			Typo: '1000ASE	-KX' should be '1000BASE-K	X' in first entry in Nom	enclature column
""10Gb/s"" shou	uld be ""10 Gb/s""				SuggestedRemedy			
also on line 26	in next paragraph							
SuggestedRemedy					Proposed Response	Response Status	C	
See comment								
Proposed Response	e Response	Status O			CI 69 SC 69.	2.3 P 51	L 48	# 651
					David V James	JGG	L 40	# 001
C/ 69 SC 69).2.3	P 51	L 30	# 31			¢ (
	9.2.3	P 51	L 30	# 31		R Comment Status	K	
Marris, Arthur		P 51 t Status X	L 30	# 31	Comment Type E	R Comment Status	¢	
Marris, Arthur <i>Comment Type</i> I think this is the	T Comment e first time the word '	t Status X	"" has been used	in the 802.3 spec.	Comment Type E DVJ-40	R Comment Status	(
Marris, Arthur <i>Comment Type</i> I think this is the Conforming to a	T Comment	t Status X	"" has been used	in the 802.3 spec.	Comment Type E DVJ-40 Nonstandard tab SuggestedRemedy ==> very thin in d	Comment Status	K	
Marris, Arthur Comment Type I think this is the Conforming to a ""nomenclature	T Comment e first time the word ' a nomenclature does "" to ""PHY type"".	t Status X	"" has been used	in the 802.3 spec.	Comment Type E DVJ-40 Nonstandard tab SuggestedRemedy ==> very thin in d	Comment Status >		
Marris, Arthur Comment Type I think this is the Conforming to a ""nomenclature SuggestedRemedy	T Comment e first time the word ' a nomenclature does "" to ""PHY type"".	t Status X ""nomenclature" s not sound right	"" has been used t. Consider chang	in the 802.3 spec. jing the word	Comment Type E DVJ-40 Nonstandard tab SuggestedRemedy ==> very thin in o ==> thin on edge	Comment Status >		

Cl 69 SC 69.2.3

CI 69 SC 69.2.4 Grow, Robert	P 52	L 8	# 207	<i>Cl</i> 69 Thaler, Pa	<i>SC</i> 69 t	.3	P 52 Agilent Techno	L 23 blogies	# 446
Comment Type E	Comment Status X	why AN is the wa	v it is in Backplane	Comment		TR	Comment Status X ters for return loss even thoug	uh that is a nara	ameter which can evert
	sign modules is easily as impo			a signi implen attenu	ficant imp nentation ation betw	oact on choices veen th	the received signal and which s. Given the potential for impe em (e.g. a reflection between 2), guidence on this paramete	can be heavily dence mismate the transmitter	r influenced by ches with minimal and first mated
Delete the introduct Proposed Response	ory phrase ""Since connection Response Status O	of ,"".		Suggested	Remedy		channel return loss.		
· · ·				Proposed	-		Response Status O		
Cl 69 SC 69.2.5 Grow, Robert Comment Type E	F 52 Intel Comment Status X	L 19	# 208	C/ 69	SC 69	.3.1	P 52	L 26	# 580
SCC 14 will comme SuggestedRemedy	ent about this looking like an eq	uation.			lane ether	E R rnet link	Broadcom <i>Comment Status</i> X s are primarily intended as po	pint-point interfa	aces of up to 1 m using
10 Mb/s, 100 Mb/s, Proposed Response	1000 Mb/s and 10 Gb/s Response Status O				IRemedy		c operates in point to point fas	hions over 1 m	of improved FR4 with
C/ 69 SC 69.3 Grow, Robert	P 52 Intel	L 22	# 209	Proposed	Response	9	Response Status O		
	Comment Status X auses have included informativ ch inclusion requires publication			<i>Cl</i> 69 Kim, Yong			P 52 Broadcom Comment Status X	L 27	# 437
2. Get IEEE public	native information to an informa ation editor approval for leaving prial background for the normat	g it as is.	des the ""shall""s.	(media could l perforr	ot clear wh a) length t be read ei mance s	hat con ther wa	he objective is 1 m over low-co forms to TX and RX spec meet (my interpretation is the latti implementation"" does not ad	ets 802.3ap rec er). Also the la	quirements. The text ast sentence ""The
Proposed Response	Response Status O			Suggested Please Proposed	e clarify w		uirement needs to be met for o Response Status O	conformance.	

Cl 69 SC 69.3.1

C/ 69 SC 69.3.1 Dawe, Piers	P 52 Agilent	L 28	# 504	Cl 69 SC 69.3.1.1 David V James	<i>Р</i> 53 JGG	L 12	# 652
Comment Type T Comment Si I doubt that a backplane for a big switc technology. SuggestedRemedy		<i>ı-</i> cost'. They ar	e pretty high		Comment Status X gure callouts should be limite s applies, regardless of whet		
Delete 'low-cost'. Proposed Response Response St	atus O			Mated Connecto ==> Mated connecto			
<i>Cl</i> 69 <i>SC</i> 69.3.1.1 Grow, Robert	P 52 ntel	L 33	# 210	Proposed Response	Response Status O		
Comment Type ER Comment Si The term ""this section"" is ambiguous		69.3 or only 69	0.3.1.1 or what.	<i>Cl</i> 69 <i>SC</i> 69.3.1.1 David V James	<i>Р</i> 53 JGG	L 15	# 653
SuggestedRemedy Clarify.				Comment Type ER DVJ-42	Comment Status X		
Proposed Response Response St	atus O			Guide. This rule always	gure callouts should be limite s applies, regardless of whet		
C/ 69 SC 69.3.1.1	atus O P 53	<i>L</i> 1	# 135				
<i>Cl</i> 69 <i>SC</i> 69.3.1.1 John, D'Ambrosia	P 53	L 1	# [135	Guide. This rule always SuggestedRemedy Backplane Channel ==>			
Cl 69 SC 69.3.1.1 John, D'Ambrosia Comment Type E Comment Si Fig 69-2 inconsistent with Fig 70-1 SuggestedRemedy replace 69-2 with 70-1	P 53 atus X	L 1	# [<u>135</u>	Guide. This rule always SuggestedRemedy Backplane Channel ==> Backplane channel	s applies, regardless of whet		
Cl 69 SC 69.3.1.1 John, D'Ambrosia Comment Type E Comment Si Fig 69-2 inconsistent with Fig 70-1 SuggestedRemedy replace 69-2 with 70-1	P 53 atus X	L 1	# <u>135</u>	Guide. This rule always SuggestedRemedy Backplane Channel ==> Backplane channel Proposed Response Cl 69 SC 69.3.1.1 van Doorn, Schelto Comment Type E Redraw Figures in nati P53 fig69-3 P70 fig70-1 P87 fig71-1	s applies, regardless of whet Response Status O P 53 Comment Status X	ther the callout is	s split into multiple lines
Cl 69 SC 69.3.1.1 John, D'Ambrosia Comment Type E Comment Si Fig 69-2 inconsistent with Fig 70-1 SuggestedRemedy replace 69-2 with 70-1	P 53 atus X	L1	# <u>135</u>	Guide. This rule always SuggestedRemedy Backplane Channel ==> Backplane channel Proposed Response CI 69 SC 69.3.1.1 van Doorn, Schelto Comment Type E Redraw Figures in nati P53 fig69-3 P70 fig70-1	s applies, regardless of whet Response Status O P 53 Comment Status X	ther the callout is	s split into multiple lines

Cl 69 SC 69.3.1.1

CI 69 SC 69.3.2	P 53	L 21	# 212	CI 69 SC 69.3.3		L 25	# 294
Grow, Robert	Intel			Zimmerman, George	Solarflare Co	ommunica	
Comment Type E	Comment Status X			Comment Type TR	Comment Status X		
Use the correct symbol	ol				no requirements on the channe		
SuggestedRemedy					This seems insufficient to allow interoperable devices, without		
Replace with the Sym	bol font single character for +/-	·.		SuggestedRemedy		0	0
Proposed Response	Response Status O			00 ,	nts that would allow interoperat	ole devices and n	nedia or explain why
<i>Cl</i> 69 <i>SC</i> 69.3.2 Dawe, Piers	P 53 Agilent	L 23	# 505	Proposed Response	Response Status O		
Comment Type T I doubt that a commor	Comment Status X	correct.		<i>Cl</i> 69 <i>SC</i> 69.3.3 John, D'Ambrosia	P 53	L 26	# 129
SuggestedRemedy Qualify the statement.				Comment Type TR Channel return loss	Comment Status X is not factored into informative	channel model	
Proposed Response	Response Status O			SuggestedRemedy see september contr	ribution from dambrosia		
<i>Cl</i> 69 <i>SC</i> 69.3.2 Grow, Robert	P 53 Intel	L 23	# 213	Proposed Response	Response Status O		
Comment Type T Recommended or ass	Comment Status X sumed?			Cl 69 SC 69.3.3. Brown, Kevin	.1 P 53	L 27	# 112
SuggestedRemedy				Comment Type TR	Comment Status X		
I think the clause assu	umes the specified maximum s	kew.			ification for channel parameters th is the primary purpose of cor		
Proposed Response	Response Status O			SuggestedRemedy			
				Specify required cha	annel characteristics.		
				Proposed Response	Response Status O		
				, ,			

Alping, Arne	P 54	L 20	# 66	Cl 69 SC 69.3.3.2 P 54 L 44 Dawe, Piers Agilent	# 509
5	Comment Status X Il insertion loss parameters in	1 Table 69-2		Comment Type TR Comment Status X Attenuation is a well known word with an established meaning. You meaning. You'll have to change the name of your quantity A(f).	cannot change its
SuggestedRemedy	olumn (from line 20 and dowr	2)		SuggestedRemedy	
Proposed Response	Response Status O	')		Change to 'attenuation trend line' or 'linear fitted attenuation' (or 'inserved you prefer).	ertion loss trend line' if
				Proposed Response Response Status O	
Cl 69 SC 69.3.3.1 Dawe, Piers <td< td=""><td>P 54 Agilent</td><td>L 6</td><td># 507</td><td>Cl 69 SC 69.3.3.2 P 54 L 44</td><td># 214</td></td<>	P 54 Agilent	L 6	# 507	Cl 69 SC 69.3.3.2 P 54 L 44	# 214
Comment Type E	Comment Status X			Grow, Robert Intel	
Variables and coefficier	nts should be in italics, not ju	ist in equations.		Comment Type ER Comment Status X	
SuggestedRemedy Put them in italics: fmin	h 1 II max A(f) more			This is an occurance of incorrect/inconsistent usage of italics. We n close to right as we can before SCC 14 comments on it at sponsor b	
	Response Status O			the number of equations in this draft. I made this as a 00 rather than of possible comments.	
				the number of equations in this draft. I made this as a 00 rather than	
Proposed Response	Response Status O	L 6	# 506	the number of equations in this draft. I made this as a 00 rather than of possible comments.	n creating the dozens
Proposed Response Cl 69 SC 69.3.3.1 Dawe, Piers	Response Status O	L 6	# 506	the number of equations in this draft. I made this as a 00 rather than of possible comments. SuggestedRemedy All math variables are to be in italics whether in equations or in text.	n creating the dozens
Proposed Response Cl 69 SC 69.3.3.1 Dawe, Piers	Response Status O P 54 Agilent	L 6	# <mark>506</mark>	the number of equations in this draft. I made this as a 00 rather than of possible comments. SuggestedRemedy All math variables are to be in italics whether in equations or in text. upright text.	n creating the dozens
Proposed Response Cl 69 SC 69.3.3.1 Dawe, Piers Comment Type E	Response Status O P 54 Agilent	L 6	# <u>506</u>	the number of equations in this draft. I made this as a 00 rather than of possible comments. SuggestedRemedy All math variables are to be in italics whether in equations or in text. upright text.	n creating the dozens
Proposed Response Cl 69 SC 69.3.3.1 Dawe, Piers Comment Type E Table wastes space SuggestedRemedy Redo the 'shrink to fit'.	Response Status O P 54 Agilent	L 6	# <u>506</u>	the number of equations in this draft. I made this as a 00 rather than of possible comments. SuggestedRemedy All math variables are to be in italics whether in equations or in text. upright text. Proposed Response Response Status O Cl 69 SC 69.3.3.2 P 54 L 44	n creating the dozens Constants are to be in
Proposed Response Cl 69 SC 69.3.3.1 Dawe, Piers Comment Type E Table wastes space SuggestedRemedy	Response Status O P 54 Agilent Comment Status X	L 6	# <u>506</u>	the number of equations in this draft. I made this as a 00 rather than of possible comments. SuggestedRemedy All math variables are to be in italics whether in equations or in text. upright text. Proposed Response Response Status O CI 69 SC 69.3.3.2 P 54 L 44 Baumer, Howard Broadcom Comment Type E Comment Status X	n creating the dozens Constants are to be in # <u>319</u>

Cl 69 SC 69.3.3.2

Cl 69 SC 69.3.3.2 Dawe, Piers	P 54 Agilent	L 45	# 508	C/ 69 SC 69.3.3.2 P 55 L 13 # 67
Comment Type E To make the algorithm frequencies ore dispos	<i>Comment Status</i> X n give a unique answer, need sed.	to say how the n	neasurement	Comment Type ER Comment Status X Now using Attenuation with a positive sign ""greater"" has to be changed to ""smaller""
SuggestedRemedy Evenly in frequency, lo	ogarithmically, what?			SuggestedRemedy Change "" attenuation of the channel be greater than"" to "" attenuation of the channel be smaller than""
Proposed Response	Response Status O			Proposed Response Response Status O
<i>Cl</i> 69 <i>SC</i> 69.3.3.2 Dudek, Mike	P 55 Picolight	L 12	# 240	<i>Cl</i> 69 <i>SC</i> 69.3.3.2 <i>P</i> 55 <i>L</i> 13 # 101 Moore, Charles
Comment Type T	Comment Status X			Comment Type E Comment Status X
Words say greater tha less than	n. Symbol in equation 69-6 i	s less than. I thi	nk the words should be	text says: ""it is recommended that attenuation of the channel be greater than the wor case attenuation limit described by the equation.""
uggestedRemedy				While the equation has a less than or equal sign. The intent was less than,
Change greater than to	o less than			While the equation has a less than or equal sign. The intent was less than.
SuggestedRemedy Change greater than to Proposed Response	o less than Response Status O			While the equation has a less than or equal sign. The intent was less than. SuggestedRemedy change test to read:
Change greater than to				SuggestedRemedy change test to read:
Change greater than to Proposed Response		L 13	# [510	SuggestedRemedy
Change greater than to Proposed Response	Response Status O	L 13	# 510	SuggestedRemedy change test to read: ""it is recommended that attenuation of the channel be less than the worst-case attenu
Change greater than to Proposed Response Cl 69 SC 69.3.3.2 Dawe, Piers	Response Status O	L 13	# 510	SuggestedRemedy change test to read: ""it is recommended that attenuation of the channel be less than the worst-case attenulimit described by the equation:"" Proposed Response Response Status
Change greater than to Proposed Response Cl 69 SC 69.3.3.2 Dawe, Piers Comment Type T greater than?	Response Status O P 55 Agilent	L 13	# [<u>510</u>	SuggestedRemedy change test to read: ""it is recommended that attenuation of the channel be less than the worst-case attenulimit described by the equation:"" Proposed Response Response Status Cl 69 SC 69.3.3.2 P 55 L 13 # 295
Change greater than to Proposed Response Cl 69 SC 69.3.3.2 Dawe, Piers Comment Type T greater than?	Response Status O P 55 Agilent	L 13	# 510	SuggestedRemedy change test to read: ""it is recommended that attenuation of the channel be less than the worst-case attenulimit described by the equation:"" Proposed Response Response Status 0 Cl 69 SC 69.3.3.2 P 55 L 13 # 295 Abler, Joe IBM
Change greater than to Proposed Response Cl 69 SC 69.3.3.2 Dawe, Piers Comment Type T greater than? SuggestedRemedy less than?	Response Status O P 55 Agilent	L 13	# <u>510</u>	SuggestedRemedy change test to read: ""it is recommended that attenuation of the channel be less than the worst-case attenulimit described by the equation:"" Proposed Response Response Status O Cl 69 SC 69.3.3.2 P 55 L 13 # 295 Abler, Joe IBM Comment Type E Comment Status X the use of ""greater than"" is in context with the real value of loss considering the attenuation will be a negative value. This will be confusing to some if the usage isn't consistent throughout the document. The first inconsistency is with the the IL figures (3, 69-4, and 69-5), which show absolute values for loss, which is going to cause confu
Change greater than to Proposed Response Cl 69 SC 69.3.3.2 Dawe, Piers Comment Type T greater than? SuggestedRemedy	Response Status O P 55 Agilent Comment Status X	L 13	# <u>510</u>	SuggestedRemedy change test to read: ""it is recommended that attenuation of the channel be less than the worst-case attenulimit described by the equation:"" Proposed Response Response Status O Cl 69 SC 69.3.3.2 P 55 L 13 # 295 Abler, Joe IBM Comment Type E Comment Status X the use of ""greater than"" is in context with the real value of loss considering the attenuation will be a negative value. This will be confusing to some if the usage isn't consistent throughout the document. The first inconsistency is with the the IL figures (

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/generalC/69COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnC/69SORT ORDER:Clause, Subclause, page, lineSC69.3.3.2

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C/ 69 SC 69.3.3.2 Healey, Adam	P 55	L 13	# 96	<i>Cl</i> 69 <i>SC</i> 69.3.3.3 Moore, Charles	P 55	L 28	# 102
<i>comment Type</i> TR Text does not agree wi	Comment Status X th equations.			Test reads: The insertion			
uggestedRemedy Change ""It is recomm lower limit"" to ""It is	ended that the insertion loss r recommended that the inserti	nagnitude, IL(f), on loss magnitud	be greater than the de, IL(f), be no greater	differential response meas magnitude, IL(f), be greate (69-8).			
than the lower limit ""				While the equations show	less than or equal signs.	The intent was I	ess than.
roposed Response	Response Status O			SuggestedRemedy			
c/ 69 SC 69.3.3.2 aumer, Howard Comment Type E	P 55 Broadcom Comment Status X	L 21	# 320	Change text to read: The insertion loss is define response measured from magnitude, IL(f), be less th 8).	TP1 to TP4. It is recomm	nended that the ir	sertion loss
Missing "in"				Proposed Response F	Response Status O		
uggestedRemedy Change "à limit defined	d 69.3.3.4," to "à limit define	ed in 69.3.3.4,					
roposed Response	Response Status O			<i>Cl</i> 69 <i>SC</i> 69.3.3.3 Healey, Adam	P 55	L 29	# 97
					Comment Status X		
/ 69 <i>SC</i> 69.3.3.2. avid V James	<i>Р</i> 54 JGG	L 8	# 654	Text does not agree with e	equations.		
				SuggestedRemedy	lad that the incortion lass	magnituda II (f)	be greater then "" to
omment Type ER DVJ-43	Comment Status X			Change ""It is recommend ""It is recommended that the			
Nonstandard table line	widths			Proposed Response F	Response Status O		
uggestedRemedy							
==> very thin in center				CI 69 SC 69.3.3.3	P 55	L 29	# 68
==> thin on edges of h roposed Response	Response Status O			Alping, Arne		2 20	<i>"</i>
oposed Response					Comment Status X		
				The Insertion loss should t Eq (69-8)	be smaller, not greater, th	nan the limit spec	ified in Eq (69-7) and
				SuggestedRemedy			
				Change "" be greater that defined by""	an the lower limit defined	by"" to "" be	smaller than the limit

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 69

 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 C/ 69

 SORT ORDER:
 Clause, Subclause, page, line
 SC 69.3.3.3

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C/ 69 SC 69.3.3 Dudek, Mike	B.3 P 55 Picolight	L 29	# 241	<i>Cl</i> 69 <i>SC</i> 69.3.3 John, D'Ambrosia	.3 P 55	L 53	# 127
Comment Type T Words say greater t	Comment Status X than. Symbols in equation 69-7	and 69-8 are less	than.	Comment Type E Add the following ve	Comment Status X		
SuggestedRemedy change ""greater tha	an the lower limit to ""less than ti	he higher limit""		SuggestedRemedy The values of f1 and	d f2 are dependent on port type	and are given in	1 Table 69-2.
Proposed Response	Response Status O			Proposed Response	Response Status O		
Cl 69 SC 69.3.3 Geemann, Brian	3.3 <i>P</i> 55 Xilinx	L 2930	# 309	<i>Cl</i> 69 <i>SC</i> 69.3.3 Baumer, Howard	.3 P 56 Broadcom	L 1	# 321
Comment Type E Says: ""the insert Equation (69û7) and	Comment Status X tion loss magnitude, IL(f), be gre d Equation (69û8).""	ater than the low	er limit defined by	Comment Type E Missing "in"	Comment Status X		
	9-8 indicate less than.			<i>SuggestedRemedy</i> Change "à limit defi	ned 69.3.3.4," to "à limit defii	ned in 69.3.3.4, .	
SuggestedRemedy ""the insertion loss (69û7) and Equatior	s magnitude, IL(f), be less than t	he lower limit def	ined by Equation	Proposed Response	Response Status O		
Proposed Response	Response Status O			<i>Cl</i> 69 <i>SC</i> 69.3.3 Seemann, Brian	.3 <i>P</i> 56 Xilinx	L 3	# 310
Cl 69 SC 69.3.3 Alping, Arne	3.3 <i>P</i> 55	L 41	# 69	Comment Type T ""The insertion loss	Comment Status X limit is illustrated in Figures 69	û3, 69û4 and 69i	û5.""
Comment Type ER Wrong word: ""are""	Comment Status X			We should use the and 10GBASEKR.	same channel model between 1	1000BASE-KX, 1	0GBASE-KX4,
SuggestedRemedy Change "" f2, are	fmax are"" to "" f2, and fma	x are""		speeds. The 1G an	was to make a 10Gb single lan d 10G 4-lane PHYs should be i Inclusion of other insertion loss	ncluded for com	patibility, not as stand
Proposed Response	Response Status O			SuggestedRemedy	s limit is illustrated in Figure 69		

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Cl 69
SC 69.3.3.3
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	0.5	D 50	L 24	# 130	C/ 69	SC 69.3.3.5.1	P 58	L 31	# 655
C/ 69 SC 69.3	.3.5	P 58	L 24	<i>"</i>				231	# 055
Iohn, D'Ambrosia					David V Jam	es	JGG		
Comment Type EF		nt Status X			Comment Ty	rpe ER	Comment Status X		
Development of the aggressor are like						words should n English usage.	ot be capitalized simply bec	ause their meani	ing is different from
SuggestedRemedy						0 0			
Add the following		mativa madal aa	nume that the ear	gresssors and victim	SuggestedR	<i>emedy</i> ial Near-End C	roostolk		
are being driven b	y similar PHYs."	"	sume mai me ayı	gresssors and victim	==>	iai Near-Eriu C	IUSSIAIN		
Proposed Response	-	e Status O			different	al near-end cro	osstalk		
	noopono				Proposed Re	esponse	Response Status O		
CI 69 SC 69.3	.3.5	P 58	L 27	# 92					
lealey, Adam					C/ 69	SC 69.3.3.5.1		L 36	# 511
Comment Type E	Commer	nt Status X			Dawe, Piers		Agilent		
F : 1					Comment Ty	vpe T	Comment Status X		
				"". This is potentially	,	,			
ambiguous and re				"". This is potentially rence model defined	,	n missing 10^(x			
ambiguous and re earlier.					,	, missing 10^(x			
ambiguous and re earlier. SuggestedRemedy	ally should be ""a	at TP4"" to be cor	nsistent with refe	rence model defined	Equatior SuggestedR	, missing 10^(x			
ambiguous and re earlier.	eally should be ""a	at TP4"" to be cor eiver"" in 69.3.3.5	nsistent with refe	rence model defined	Equatior SuggestedR	n missing 10^(x e <i>medy</i> wo equations			
ambiguous and re earlier. <i>SuggestedRemedy</i> Change occurrenc 69.3.3.5.1, 69.3.3	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a	at TP4"" to be cor eiver"" in 69.3.3.5	nsistent with refe	rence model defined	Equation SuggestedR Correct	n missing 10^(x e <i>medy</i> wo equations	/10) portion		
ambiguous and re earlier. <i>SuggestedRemedy</i> Change occurrenc 69.3.3.5.1, 69.3.3	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a	at TP4"" to be cor eiver"" in 69.3.3.5 and 69.3.3.5.4.	nsistent with refe	rence model defined	Equation SuggestedR Correct	n missing 10^(x e <i>medy</i> wo equations	/10) portion Response Status O	L 40	# 656
ambiguous and re earlier. <i>SuggestedRemedy</i> Change occurrend 69.3.3.5.1, 69.3.3 Proposed Response	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a Response	at TP4"" to be cor eiver"" in 69.3.3.5 and 69.3.3.5.4.	to ""at TP4"". N	rence model defined	Equation SuggestedR Correct Proposed Re	n missing 10^(x emedy wo equations esponse SC 69.3.3.5.2	/10) portion Response Status O	L 40	# <u>6</u> 56
ambiguous and re earlier. SuggestedRemedy Change occurrend 69.3.3.5.1, 69.3.3 Proposed Response	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a Response	at TP4"" to be cor eiver"" in 69.3.3.5 and 69.3.3.5.4. <i>e Status</i> O	nsistent with refe	rence model defined	Equation SuggestedR Correct Proposed Re C/ 69	o missing 10^(x emedy wo equations esponse SC 69.3.3.5.2 es	/10) portion <i>Response Status O P</i> 58	L 40	# [<u>656</u>
ambiguous and re earlier. SuggestedRemedy Change occurrend 69.3.3.5.1, 69.3.3 Proposed Response Cl 69 SC 69.3 Healey, Adam	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a <i>Response</i> . 3.5.1	at TP4"" to be cor eiver"" in 69.3.3.5 and 69.3.3.5.4. <i>e Status</i> O <i>P</i> 58	to ""at TP4"". N	rence model defined	Equation SuggestedR Correct Proposed Re Cl 69 David V Jam	n missing 10^(x emedy wo equations esponse SC 69.3.3.5.2 es	/10) portion <i>Response Status O P P S</i> JGG	L 40	# [<u>656</u>
ambiguous and re earlier. SuggestedRemedy Change occurrend 69.3.3.5.1, 69.3.3 Proposed Response Cl 69 SC 69.3 Healey, Adam Comment Type E The equations for	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a <i>Response</i> . 3.5.1 <i>Commen</i> TNEXT(f) and TI	at TP4"" to be cor eiver"" in 69.3.3.5 and 69.3.3.5.4. <i>e Status</i> O <i>P</i> 58 <i>nt Status</i> X FEXT(f) are identi	to ""at TP4"". No	rence model defined ote occurences in # 91 sum NEXT (PSNEXT)	Equation SuggestedR Correct Proposed Re Cl 69 David V Jam Comment Ty DVJ-45 English	n missing 10^(x emedy wo equations esponse SC 69.3.3.5.2 es pe ER	/10) portion <i>Response Status O P P S</i> JGG		
ambiguous and re earlier. SuggestedRemedy Change occurrend 69.3.3.5.1, 69.3.3 Proposed Response C/ 69 SC 69.3 Healey, Adam Comment Type E The equations for and power-sum F	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a <i>Response</i> . 3.5.1 Commen TNEXT(f) and TI EXT (PSFEXT) p	at TP4"" to be cor eiver"" in 69.3.3.5 and 69.3.3.5.4. <i>e Status</i> O <i>P</i> 58 <i>nt Status</i> X FEXT(f) are identio parameters define	to ""at TP4"". No <i>L</i> 30	rence model defined ote occurences in # 91 sum NEXT (PSNEXT) s. IEEE P802.3ap has	Equation SuggestedR Correct Proposed Re Cl 69 David V Jam Comment Ty DVJ-45 English	y missing 10^(x emedy wo equations esponse SC 69.3.3.5.2 es pe ER words should n English usage.	/10) portion Response Status O P 58 JGG Comment Status X		
ambiguous and re earlier. SuggestedRemedy Change occurrence 69.3.3.5.1, 69.3.3 Proposed Response C/ 69 SC 69.3 lealey, Adam Comment Type E The equations for	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a <i>Response</i> .3.5.1 	at TP4"" to be con eiver"" in 69.3.3.5 and 69.3.3.5.4. <i>e Status</i> O <i>P</i> 58 <i>nt Status</i> X FEXT(f) are identi parameters define ommonly used par	to ""at TP4"". No <i>L</i> 30	rence model defined ote occurences in # 91 sum NEXT (PSNEXT) s. IEEE P802.3ap has	Equation SuggestedR Correct Proposed Re Cl 69 David V Jam Comment Ty DVJ-45 English normal E SuggestedR	y missing 10^(x emedy wo equations esponse SC 69.3.3.5.2 es pe ER words should n English usage.	/10) portion <i>Response Status</i> O <i>P</i> 58 JGG <i>Comment Status</i> X ot be capitalized simply bec		
ambiguous and re earlier. SuggestedRemedy Change occurrend 69.3.3.5.1, 69.3.3 Proposed Response C/ 69 SC 69.3 Healey, Adam Comment Type E The equations for and power-sum F invented a new te advantage to this	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a <i>Response</i> .3.5.1 	at TP4"" to be con eiver"" in 69.3.3.5 and 69.3.3.5.4. <i>e Status</i> O <i>P</i> 58 <i>nt Status</i> X FEXT(f) are identi parameters define ommonly used par	to ""at TP4"". No <i>L</i> 30	rence model defined ote occurences in # 91 sum NEXT (PSNEXT) s. IEEE P802.3ap has	Equation SuggestedR Correct Proposed Re C/ 69 David V Jam Comment Ty DVJ-45 English normal E SuggestedR Different ==>	n missing 10^(x emedy wo equations esponse SC 69.3.3.5.2 es pe ER words should n English usage. emedy ial Far-End Cro	 (10) portion <i>Response Status</i> O <i>P</i> 58 <pre>JGG</pre> <i>Comment Status</i> X ot be capitalized simply bec posstalk 		
ambiguous and re earlier. SuggestedRemedy Change occurrend 69.3.3.5.1, 69.3.3 Proposed Response Cl 69 SC 69.3 Healey, Adam Comment Type E The equations for and power-sum F invented a new te advantage to this	eally should be ""a ce of ""at the rece 5.2, 69.3.3.5.3, a <i>Response</i> .3.5.1 Commer TNEXT(f) and TI EXT (PSFEXT) p rm to define a co new nomenclature	at TP4"" to be cor eiver"" in 69.3.3.5 and 69.3.3.5.4. <i>e Status</i> O <i>P</i> 58 <i>nt Status</i> X FEXT(f) are identi parameters define ommonly used par re.	to ""at TP4"". No <i>L</i> 30 <i>L</i> 30 ical to the power- d in other clause: rameter and there	rence model defined ote occurences in # 91 sum NEXT (PSNEXT) s. IEEE P802.3ap has e is no obvious	Equation SuggestedR Correct Proposed Re Cl 69 David V Jam Comment Ty DVJ-45 English normal E SuggestedR Different ==> different	n missing 10^(x emedy wo equations esponse SC 69.3.3.5.2 es pe ER words should n English usage. emedy ial Far-End Cros	 (10) portion <i>Response Status</i> O <i>P</i> 58 <pre>JGG</pre> <i>Comment Status</i> X <pre>ot be capitalized simply bec</pre> Desstalk <pre>stalk</pre> 		
ambiguous and re earlier. SuggestedRemedy Change occurrend 69.3.3.5.1, 69.3.3 Proposed Response Cl 69 SC 69.3 Healey, Adam Comment Type E The equations for and power-sum F invented a new te advantage to this SuggestedRemedy	eally should be ""a ce of ""at the rece .5.2, 69.3.3.5.3, a <i>Response</i> . 3.5.1 Commen TNEXT(f) and TI EXT (PSFEXT) p rm to define a co new nomenclatur to PSNEXT(f) an	at TP4"" to be cor eiver"" in 69.3.3.5 and 69.3.3.5.4. <i>e Status</i> O <i>P</i> 58 <i>nt Status</i> X FEXT(f) are identi parameters define ommonly used par re. nd TFEXT(f) to PS	to ""at TP4"". No <i>L</i> 30 <i>L</i> 30 ical to the power- d in other clause: rameter and there	rence model defined ote occurences in # 91 sum NEXT (PSNEXT) s. IEEE P802.3ap has e is no obvious	Equation SuggestedR Correct f Proposed Re C/ 69 David V Jam Comment Ty DVJ-45 English normal E SuggestedR Different ==>	n missing 10^(x emedy wo equations esponse SC 69.3.3.5.2 es pe ER words should n English usage. emedy ial Far-End Cros	 (10) portion <i>Response Status</i> O <i>P</i> 58 <pre>JGG</pre> <i>Comment Status</i> X ot be capitalized simply bec posstalk 		

Cl	69	
SC	69.3.3.5.2	

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C/ 69 SC 69.3.3.5.3		L 2	# <u>6</u> 57	Cl 69 SC 69.3.	3.5.4 <i>P</i> 59	L 13	# 512
David V James	JGG			Dawe, Piers	Agilent		
	Comment Status X	Id be limited to t	he first word, as per	Comment Type T Don't you want the SuggestedRemedy	Comment Status X product of IL and crosstalk (n	ot the ratio) to be le	ess than a limit?
the IEEE Style Guide.				?			
SuggestedRemedy Total Differential Crosst ==>	talk			Proposed Response	Response Status O		
Total differential crossta	alk						
Proposed Response	Response Status O			<i>Cl</i> 69 <i>SC</i> 69.3 . John, D'Ambrosia	3.5.4 <i>P</i> 59	L 18	# 128
<i>Cl</i> 69 <i>SC</i> 69.3.3.5.4 David V James	9 7 59 JGG	L 12	# 658	Comment Type TR use of calculated IC dambrosia_01_005	Comment Status X CR increases ambiguity of info i for reference.	rmative channel m	odel results. See
Comment Type ER DVJ-47 Capitalization within a c the IEEE Style Guide.	Comment Status X	Id be limited to t	he first word, as per	See dambrosia_01	ated ICR to compare against _0705 for reference. htribution for September Interin		
SuggestedRemedy Insertion Loss to Cross ==>	talk Ratio (ICR)			Proposed Response	Response Status O		
==> Insertion loss to crossta	alk ratio (ICR)			C/ 69 SC 69.3.	3.5.4 <i>P</i> 59	L 23	# 300
Proposed Response	Response Status 0			Abler, Joe	IBM		
<i>Cl</i> 69 <i>SC</i> 69.3.3.5.4 Alping, Arne	P 59	L 13	# 70	doesn't even exten	Comment Status X 4 is specified to 2x the fundan d to 1x it's fundamental. This at higher operating ranges.		
<i>Comment Type</i> E A comma is missing	Comment Status X				or KR ICR to 6000MHz. This		
SuggestedRemedy	o TP2 to the total"" to ""	from TD1 to TD	2 to the total ""		2 parameter. Alternatively, se z for KX, 1.5625GHz for KX4,		
Proposed Response	Response Status O		ב, וט ווופ וטומו	Proposed Response	Response Status O		

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

C/ 69 F SC 69.3.3.5.4 9

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<i>Cl</i> 69 <i>SC</i> 69.4 Dawe, Piers	P 60 Agilent	L 23	# 514	CI 69 SC Grow, Robert	69.5	P 60 Intel	L 47	# 218
<i>Comment Type</i> E Table 69-4 does little b	<i>Comment Status</i> X but duplicate table 44-2. Othe 44 anyway. Marking these				e attempting to	omment Status X deprecate the term stat move its use in 802.3z		ast that was the
SuggestedRemedy Refer to and modify ta	ble 44-2, remove table 69-4. Inge 'Delay Constraints' to 'de Response Status O	Similarly for tabl	-	SuggestedReme Change to st	dy ate diagram. S ramatical corre	earch on state machine action of surrounding te asponse Status O	e and replace in a	all 16 occurances with
C/ 69 SC 69.4 Dawe, Piers	P 60 Agilent	L 23	# 513	<i>Cl</i> 69 <i>SC</i> Brink, Robert	69.5	P 65 Agere Syster	L 47 ms	# 261
Comment Type T Need to mention 44.3, SuggestedRemedy per comment	Comment Status X which is the normative sourc	e of this informa	iion.	low value""	-	omment Status X at the interference gene	erator be off rathe	er than ""off or a very
Proposed Response	Response Status O			SuggestedReme				
C/ 69 SC 69.4 (im, Yong Comment Type TR	P 60 Broadcom Comment Status X	L 8	# 445	eliminate ""or Proposed Respo	r a very low val nse Re	ue"" Isponse Status O		
PHY electronics are or relevent. If the intent i add it in form of inform	MAC Pause versus propaga ders of magnitude apart. This s to allow re-timing, re-clockin ative annex. If this is not the	s clause, while fing devices, it ma	riendly, seems not y be approproate to	Cl 69 SC Grow, Robert	69.6	P 61 Intel	L 10	# 220
justification why this cl	ve annex, or 2) specify link m ause is needed.	ax latency incluc	ling PHY, or provide	column order not complete	he statement is and the virtual	omment Status X correct. PICS conven elimination of free form the PICS format used a e.	n entry. the instru	uctions in 21.6.3 are
Proposed Response Response Status O				SuggestedReme	dy	to cover both formats.	Possibly	
				Each of the E specified in 2		rnet PICS uses the not	ation and conver	itions

TYPE: TR/technical required ER/editorial required GR/genera	I required T/technical E/editorial G/general		01 60	Dama 40 of 105
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written	C/closed U/unsatisfied Z/withdrawn	CI 69	Page 48 of 135
SORT ORDER: Clause, Subclause, page, line			SC 69.6	9/2/2005 2:33:09 PM

<i>Cl</i> 69 <i>SC</i> 69.6 Dawe, Piers	P 61 Agilent	L 10	# 515	C/ 69 SC Figure 69-1 P 50 L 28 # 12 Daines, Kevin
SuggestedRemedy	Comment Status X resting (in this clause) that 100 ns to the notation and conven		r current PICS notation.	Comment Type ER Comment Status X Defining ""GMII"" as ""1 Gigabit Media Independent Interface"" is a little awkward the not technically incorrect. I'd prefer dropping the ""1"" so the figure matches the other the base standard.
Proposed Response	Response Status O			SuggestedRemedy See comment
<i>Cl</i> 69 <i>SC</i> 69.6 Grow, Robert	P 61 Intel	L 3	# 219	Proposed Response Response Status O
Comment Type E The correct reference	Comment Status X when refering to the standard	l is IEEE Std 802	.3.	Cl 69 SC Figure 69-2 P 53 L 7 # 211 Grow, Robert Intel
<i>SuggestedRemedy</i> Change IEEE 802.3 t	to IEEE Std 802.3.			Comment TypeEComment StatusXThe terms nad <n> are undefined.</n>
Proposed Response	Response Status O			SuggestedRemedy Define them.
Cl 69 SC Figure	69-7 P 59 Intel	L 29	# 215	Proposed Response Response Status O
<i>Comment Type</i> E This regions and port	Comment Status X type labels are very difficult to	o read.		Cl 69 SC Table 69-1 P 51 L 39 # 206 Grow, Robert Intel
<i>SuggestedRemedy</i> Underlay the lables w	vith white boxes to hide the log	graph lines.		Comment Type E Comment Status X Table line width between clause 51 and 70 looks too broad.
Proposed Response	Response Status O			SuggestedRemedy Check and correct.
				Proposed Response Response Status O

C/ 69 SC Table 69-1

CI 69 SC Table 69-1 P 51 Grow, Robert Intel	L 46	# 205	<i>CI</i> 69A <i>SC</i> 69A. Kim, Yong	P 63 Broadcom	L	# 438
Comment Type E Comment Status X Typo 10GASE-KX. SuggestedRemedy				Comment Status X her this is Normative or Informa cations such as group delay, te -up, etc.		
Correct to 10GBASE-KX. Proposed Response Response Status O			SuggestedRemedy Please indicate. Proposed Response	Response Status O		
CI 69 SC Table 69-3 P 60 Grow, Robert Intel	L 12	# 216	Cl 69A SC 69A.	P63	L 41	# 225
Comment Type ER Comment Status X Another problem with intermingled informative ta SuggestedRemedy Move to informative annex, get publication editor Proposed Response Response Status O			expansion/definition of definition of definitions are also so SuggestedRemedy	Intel Comment Status X expanded, and undefined acron of the acronym follows its intial cattered and difficult to find with	usage in text. nout a PDF sear	The expansions and rch.
Cl 69 SC Table 69-3 P 60 Grow, Robert Intel Comment Type TR Comment Status X As delay constraints are specified for pause ope column? SuggestedRemedy Add a pause_quanta collumn. Add a row for tota corresponding 2 for pause quanta. Proposed Response Response Status O			within this annex. Pr DUT, self-defining if e clauses. mBER, self-defining i standard BER, impro	ve definition by changeing sent te standard BER be lower than iently self descriptive.	pansion and de to IUT for consi tence at p. 65 4	finition of: stency with other
			Proposed Response	Response Status O		

CI 69A SC 69A.

C/ 69A SC 69A.1 P 63 L # 131	C/ 69A SC 69A.1 P 63 L 16 # 615
John, D'Ambrosia	Beaudoin, Denis Texas Instruments
Comment Type E Comment Status X The following text is partially incorrect - "" just a form of inter-symbol interference (ISI) beyond the time range a reasonable equalizer can handle."" Reflections can occur in the time range of an equalizer that may challenge the ability of an equalizer to compensate. uggestedRemedy Change to the following "" just a form of inter-symbol interference (ISI), beyond which a reasonable equalizer can handle.""	szczepanek_01_0705 demonstrates the error propagation of DFEs and the 10GBASE-R PCS self-synchronous scrambler which may have a severe impact on the false packet acceptance criteria.
roposed Response Response Status O	SuggestedRemedy Initially identified in 10GBASE-T and later in EFM an addition of a CRC8 to the PCS layer
7/ 69A SC 69A.1 P 63 L # <u>627</u> undu, Aniruddha Intel	was used to improve the protection to frames. Follow this precedent set by 10GBASE-T and EFM and add the CRC8 protection to frame
Figure 69A-1: The test configuration diagram needs correction. The separate return pat for optimization is not implementable. The reason is that in actual implementation, the DUT receiver, and the TX will not have a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send and receive the feedback head for a separate pins to send a separate pins to sen	Pronosed Response Response Status O
back for optimization. <i>uggestedRemedy</i> Direct connection back from Data (line) from input of DUT to the output data line of TX.	Cl 69A SC 69A.1 P 63 L 18 # 15
Proposed Response Response Status O	Comment Type E Comment Status X Talks about 'Foregn Interference'; isn't the usual 802.3 language 'Alien Crosstalk/Interference'? Not a big deal - it's meaning is still clear - just a question of consistency. SuggestedRemedy
	Proposed Response Response Status O

C/ 69A SC 69A.1

C/ 69A S	C 69A.1	P 63	L 18	# 603	Cl 69A SC 69A.1	P 63	L 35	# <u>6</u> 61
Booth, Brad		Intel			David V James	JGG		
Comment Type	e T	Comment Status X			Comment Type ER	Comment Status X		
	ses of termir more comm	ology. This draft seems to u only used.	use the term ""for	reign"" whereas	DVJ-50 English words shou normal English usa	uld not be capitalized simply be	cause their meani	ng is different from
SuggestedRem					SuggestedRemedy	ige.		
Recommer	nd changing	the draft to use the term ""al	lien"".		Data			
Proposed Resp	oonse	Response Status O			==> data			
	C 69A.1	P 63	L 19	# 412	Proposed Response	Response Status O		
Barrass, Hugh <i>Comment Type</i>	e E	Cisco System	IS		C/ 69A SC 69A.1	P 63	L 36	# 660
		appears contradictory. If a for	reian noise sourc	e is using very high	David V James	JGG	2.30	# 000
assumption be stated m	n that BPE w nore clearly.	e interference could be sign ill be the highest speed of si	ificant. There see ignaling in the en	ems to be an wironment. This should		Comment Status X	cause their meani	ng is different from
SuggestedRem Change	ieay				normal English usa	ge.		-
Change					SuggestedRemedy			
""If the cha	nnel of inter	est is a very high speed chai	nnel""		Data ==>			
to					data			
""If the fore	eign interfere	rs use signaling at lower free	quencies than Ba	ckplane Ethernet""	Proposed Response	Response Status O		
Proposed Resp	oonse	Response Status O						
CI 69A So John, D'Ambros	C 69A.1 sia	P 63	L 21	# 132				
Comment Type		Comment Status X condary importance."" This	is a statement re	garding impelmentation				
	,							
	nedy							

	69A.1	P 63	L 39	# 256	C/ 69A	SC 69A.1	P 63		10 # <u>578</u>
Healey, Adam		Agere Sys	tems		Ghiasi, Ali		Broade	com	
Comment Type	Е	Comment Status X			Comment	• ·	Comment Status		
		to this figure would make onship between this figure			Interfe	erence tolerance	test does not stress th	e CDR to freque	ency sensitivity.
creating a bet		onship between this ligure	and supporting tex	ι.	Suggested	dRemedy			
and Interferer 2. Label the i as TP1, so the (tied into a se 3. In addition the DUT as T	nce Gene interface le propert eparate co n, it would 'P4, so th	the Frequency-Dependent erator and label this the ""c between the compliant tra- ties of signals output from comment). If be useful to label the inter- nat signal properties at that relationship between this to	compliance channel nsmitter block and the compliant trans rface between the c t point may be defin	the compliance channel mitter can be specified compliant channel and ed if necessary. It is	mask 40 KH 400 K 4 MHz	se to add Sinusc parameters Iz - 5 UI Hz - 0.5 UI z - 0.1 UI <i>Response</i>	oidal Jitter (SJ) through Response Status		e channel with the following
SuggestedRemed	du				Cl 69A	SC 69A.1	P 63	L 4	1 # <u>581</u>
Per comment	-				Ghiasi, Ali		Broade	com	
	-	Doononoo Statua			Comment	Type TR	Comment Status	х	
Proposed Respon	ise	Response Status O			The cl	hannel is defined	d by an ideal frequency	dependent atte	nuator.
					Suggested	dRemedy			
CI 69A SC Brink, Robert	69A.1	P 63 Agere Sys	L 4 tems	# 262	can be	e created using a		defining the ch	ponse. The channel sterssor annel. Current channel and reflections
<i>Comment Type</i> This testing s standard (+/-1		Comment Status X done at the maximum ppr	n offset excursions	required by the	Proposed	Response	Response Status	0	
SuggestedRemed	dy				C/ 69A	SC 69A.1	P 63	L 4	2 # 664
Specify that the standard (+/-1		g be done at the maximum	ppm offset excursi	ons required by the	David V Ja		JGG		
Proposed Respor	nse	Response Status O				i3 alization within fig		limited to the fi	irst word, as per IEEE Style allout is split into multiple lines.
					<i>Suggested</i> Comp ==>	dRemedy liant Transmitter			
					Comp	liant transmitter			
					Proposed	Response	Response Status	0	
COMMENT STAT	TUS: D/di	ed ER/editorial required (ispatched A/accepted R/i Subclause, page, line	GR/general required rejected RESPON	d T/technical E/editorial C NSE STATUS: O/open W	G/general /written C/close	ed U/unsatisfied	d Z/withdrawn	C/ 69A SC 69A.1	Page 53 of 135 9/2/2005 2:33:09 P

David V James	P 63 JGG	L 43	# 663	<i>Cl</i> 69A <i>SC</i> 69A.1 Grow, Robert	P 63 Intel	L 6	# 221
Comment Type ER DVJ-52	Comment Status X			Comment Type E Inappropriate tense.	Comment Status X		
Capitalization within fig Guide. This rule alway	gure callouts should be limited s applies, regardless of whet	d to the first word her the callout is	l, as per IEEE Style split into multiple lines.	SuggestedRemedy Change ""will be"" to '			
SuggestedRemedy				5			
Frequency Attenuator	Dependant			Proposed Response	Response Status O		
==> Frequency attenuator	dependant			. <u></u>			
Proposed Response	Response Status O			Cl 69A SC 69A.1 Dawe, Piers	P 64 Agilent	L 3	# 518
69A SC 69A.1	P 63	L 43	# 662	Comment Type T It's worth pointing out	Comment Status X which port types are required	d to have such B	IST.
avid V James	JGG			SuggestedRemedy			
Comment Type ER	Comment Status X			Per comment			
limited to the first word	gure callouts should be d, as per IEEE Style Guide. es, regardless of whether the	callout is split into	o multiple lines.	Proposed Response	Response Status O		
SuggestedRemedy			•	C/ 69A SC 69A.1	P 64	L 5	# 299
Interference Injection				Abler, Joe	IBM		
==>				Comment Type ER	Comment Status X		
==> Interference injection	Response Status W			Comment Type ER ""The compliant trans statement can easily transmitters meeting	Comment Status X mitter can be any transmitter be interpreted to mean that th the spec, which implies the us	ne test must pass ser must make a	s with any and all determination on wha
==> Interference injection roposed Response	Response Status W	L 5 2	# 665	Comment Type ER ""The compliant trans statement can easily transmitters meeting the worst case transm	Comment Status X mitter can be any transmitter be interpreted to mean that th	ne test must pass ser must make a not the intent of	s with any and all determination on what the test, and in fact it's
==> Interference injection Proposed Response		L 52	# 665	Comment Type ER ""The compliant trans statement can easily transmitters meeting t the worst case transm expected that a vendo SuggestedRemedy	Comment Status X mitter can be any transmitter be interpreted to mean that th the spec, which implies the us nitter setup would be. That's or would select a best case trans-	ne test must pase ser must make a not the intent of ansmitter setup f	s with any and all determination on wha the test, and in fact it's for the test.
==> Interference injection Proposed Response C/ 69A SC 69A.1 David V James Comment Type ER DVJ-54 Capitalization within fig	P 63	d to the first word	, as per IEEE Style	Comment Type ER ""The compliant trans statement can easily transmitters meeting the worst case transm expected that a vendor SuggestedRemedy Add additional senten configuration must be defined by the specific	Comment Status X mitter can be any transmitter be interpreted to mean that th the spec, which implies the us nitter setup would be. That's	ne test must pass ser must make a not the intent of ansmitter setup f a single complian possible transmit spected that vence	s with any and all determination on what the test, and in fact it's for the test. Int transmitter tter configurations dors will generally sele
==> Interference injection Proposed Response C/ 69A SC 69A.1 David V James Comment Type ER DVJ-54 Capitalization within fig	P 63 JGG Comment Status X gure callouts should be limited is applies, regardless of wheth	d to the first word	, as per IEEE Style	Comment Type ER ""The compliant trans statement can easily transmitters meeting to the worst case transmer expected that a vendor SuggestedRemedy Add additional senten configuration must be defined by the specific a transmitter performi	Comment Status X mitter can be any transmitter be interpreted to mean that th the spec, which implies the us nitter setup would be. That's or would select a best case trans- ces along the lines of: Only tested, demonstration to all cation is not required. It is ex	ne test must pass ser must make a not the intent of ansmitter setup f a single complian possible transmit spected that vence	s with any and all determination on what the test, and in fact it's for the test. Int transmitter tter configurations dors will generally select

Cl	69A	
SC	69A.1	

C/ 69A SC 69A.1 P 64 L 5 # 259 Healey, Adam Agere Systems 4	C/ 69A SC 69A.2 P 64 L 10 # 71
Comment Type TR Comment Status X	Comment Type E Comment Status X
I am not sure that the term ""compliant transmitter"" is precise. What the test is looking for, I assume, is a ""worst-case" compliant transmitter that pushes the boundaries of the all of	To be clearer define the Compliance channel in 69A.2 and add an extra subclause that defines the frequency-dependent attenuator
the specifications that we have specified and can control.	SuggestedRemedy
 The transmitter output amplitude should be constrained to 800 mVp-p, as higher output voltages may yield optimistic results The transmit jitter should be pushed to the worst-case values (or a reasonable approximation thereof, such as an ""equivalent"" amount of sinusoidal jitter). A ""clean"" 	 (a) Move line 8 ""The compliance channel consists of"" to subclause 69A.2 (b) Add an extra subclause 69A.2.1 called ""Frequency-dependent attenuator"" after 69A. where all text in 69A.2 describing the frequency-dependent attenuator is moved to (c) Change name of subclause 69A.3 to 69A.2.2
jitter transmitter may yield optimistic results. 3. The range and resolution of the transmit equalizer should be a close to the worst-case values allowed by the standard as possible.	Proposed Response Response Status O
Unless the transmitter is specified in this way, it is possible for a supplier to claim compliance to the specification after meeting the requirements with a ""best-case""	C/ 69A SC 69A.2 P 64 L 11 # 322 Baumer, Howard Broadcom B
transmitter yet interoperability is not guaranteed when that device is connected to a ""worst- case"" transmitter.	Comment Type TR Comment Status X
SuggestedRemedy Define a complete set of specification for the compliant transmitter. This will naturally be a	There is no return loss definition for the compliance channel. Without this how are the compliant transmitter return loss to compliance channel return loss interactions taken into account and controlled?
function of the port type being tested.	SuggestedRemedy
Proposed Response Response Status O	Define return loss for the compliance channel
	Proposed Response Response Status O
C/ 69A SC 69A.2 P 64 L 10 # 84	
Comment Type T Comment Status X	C/ 69A SC 69A.2 P 64 L 13 # 162 Spagna, Fulvio INTEL
This subclause defines the "Compliance Channel"", which appears to be the block in	Comment Type E Comment Status X
Figure 69A-1 labeled ""Frequency dependant attenuator"". Assuming that I have understood this correctly	It is not clear what the second sentence tries to say.
SuggestedRemedy	If the intention is to clarify that the compliance interconnect limits have been chosen to
Please use consistent name for the block.	reflect the fact that a cerefully designed channel will be substantially free of ISI I propose
Proposed Response Response Status O	the following rewording: ""The compliance interconnect limits have been chosen to allow realistic approximation of the loss and ISI which a normal data link will experience under the assumption that careful design of the channel will make it substantially free of SI.""
	· · ····· [· · · · · · · · · · · · · ·
	SuggestedRemedy

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C/ 69A SC 69A.2 Grow, Robert	P 64 Intel	L 16	# 222	<i>Cl</i> 69A <i>SC</i> 69A.2 John, D'Ambrosia	P 64	L 17	# 133
Comment Type E Typo? SuggestedRemedy Change SI to ISI.	Comment Status X			Comment Type ER Equation 69A-1 is the sam Also f1 and f2 are not defin discussed in Clause 69. L 69A-2 does not agree with	ned in Annex69A, but iz b se of minISIloss and ISI	elieved to refer b oss are not adeq	
Proposed Response	Response Status O			SuggestedRemedy Change lines 17 to 54 sen		Amov(f) the we	vot appo inportion loop
<i>Cl</i> 69A <i>SC</i> 69A.2 Spagna, Fulvio	<i>Р</i> 64 INTEL	L 17	# 163	The insertion loss should to limit, as described by Equa KX, 10GBASE-KX4, and 1 Table 69-2. MinISIloss is o	ation 69-6. The frequency OGBASE-KR, and is bour	y range of interes nded by f1 and f2	t differs for 1000BASE- 2, which is defined in
Comment Type ER Change text from:	Comment Status X			Amax(f2). ISIloss is define at f1 and f2. The ISIloss o	ed as the difference in ma	gnitude of the th	e compliancy channel
	annel is defined with the same 10GASE-KR but the range of a r each case.""			It is possible to construct a all three PHY. The insertio Amax(f2). The magnitude	on loss of the compliance	channel above f	2 shall be less than
to:				Updated Figure 69A-2 to b	e provided by D'Ambrosia	a	
""The compliance cha but the range of applic	annel is defined with the same cability and limits are defined s e 71-8 for 10GBASE-KX4, Tab	separately for eac	ch case (Table 70-8 for	· ·	Pesponse Status O		"
SuggestedRemedy			,	Cl 69A SC 69A.2 John, D'Ambrosia	P 64	L 18	# 136
Adopt proposed text.							
Proposed Response	Response Status O			Comment Type E use of fbaud is not called o	Comment Status X out in Clauses 70 - 72		
				SuggestedRemedy In table 70-7, 71-7, and 72	-7, add "", fbaud"" to ""Sig	gnaling Speed""	Parameter
				Proposed Response F	lesponse Status O		

Cl 69A SC 69A.2

<i>Cl</i> 69A <i>SC</i> 69A.2 Dawe, Piers	P 64 Agilent	L 19	# 517	<i>Cl</i> 69A <i>SC</i> 69A.2 Seemann, Brian	P 64 Xilinx	L 22	# <u>3</u> 11
Comment Type T	<i>Comment Status</i> X u mean by minISIloss			Comment Type T	Comment Status X	I to the worst-cas	e insertion loss limit a
SuggestedRemedy Might copy back sor	nething from later in the docum	ent.		Our normative test s	hould be within the required or se insertion loss limit. This is a		
Proposed Response	Response Status O			Crosstalk Ratio test.	And the ICR concept presum priate to perform the test beyo	es a trade-off bet	ween crosstalk and
C/ 69A SC 69A.2	P 64	L 21	# 103	SuggestedRemedy			
Moore, Charles			<i>"</i>		should be no more than x dB b mit as described by the inequa		ot worse than the wors
Comment Type T	Comment Status X			OR			
channel out of spec more stressful beca	g the main channel, small amore even though it is basically what use of the ripple) as the speced the compliance channel inserti	we want. It will channel. I woul	be as stressful (or d like to specify a	-	should be within x dB better or the inequality:""	worse than the w	orst-case insertion los
insertion loss.				Proposed Response	Response Status 0		
SuggestedRemedy							
change lines 21-23 a	and equation (69A-1) to:			CI 69A SC 69A.2	P 64	L 25	# 164
The insertion loss of	the compliance interconnect sh	all be generally	greater than the worst-	Spagna, Fulvio	INTEL	L 23	# 104
case insertion loss.	This is assured by subtracting t	he worst-case ir	sertion loss from the	Comment Type TR	Comment Status X		
compliance intercon greater than 0 from	nect insertion loss. A linear fit t F1 to F2.	o the difference	from F1 to F2 shall be	51	(f), needs to be compared aga	inst the template	which is represented
diff= IL(f)-ILmin =	IL(f)-20log(e)*(b1*sqrt(f)+b2*f+	b3*f^2+b4*f^3)		SuggestedRemedy	(.).		
The general method	for performing a linear fit is des	cribed in 69.3.3.	2.		place ILmin(f) with Amin(f).		
Proposed Response	Response Status O			Proposed Response	Response Status 0		
CI 69A SC 69A.2	P 64	L 22	# 296	C/ 69A SC 69A.2	P 64	L 25	# 516
Abler, Joe	IBM			Dawe, Piers	Agilent	L 23	# 516
Comment Type E	Comment Status X				Comment Status X		
The term ""greater the usage in section	nan"" is considering absolute va 69.3.3.2	lue of loss, whic	h is inconsistent with	<i>Comment Type</i> T IL_min has already b	peen named: it's A_max. There	e is no A_min.	
				<i>SuggestedRemedy</i> If min and max are c	onfusing, change all three nan	nes to A_limit.	
SuggestedRemedy Change to ""less tha	in . Also on line 36.						

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line CI 69A Page 57 of 135 SC 69A.2 9/2/2005 2:33:09 PM

<i>Cl</i> 69A <i>SC</i> 69A.2 Weiner, Nick	P 64	L 25	# 86	Cl 69A SC 69A.2 John, D'Ambrosia	P 64	L 36	# 134
Comment Type TR Equation 69A-1 specifi channel"". No phase re	Comment Status X es an amplitude response bou sponse is specified. Is a phas	und for the of the se response spe	e ""compliance c needed?	Comment Type ER reference to insertion The insertion loss of t	Comment Status X loss being greater than or less he compliance channel above	than specifications f2 should be gre	on- ater than Amin(f2).
SuggestedRemedy Add note to the effect t Or else include spec fo Proposed Response	hat the phase response is no r phase response. <i>Response Status</i> O	important.		SuggestedRemedy Change verbiage to th The insertion loss of t Proposed Response	ne following - he compliance channel above <i>Response Status</i> O	f2 should be les	s than Amax(f2).
Cl 69A SC 69A.2 Spagna, Fulvio Comment Type ER	P 64 INTEL Comment Status X	L 27	# 165	Cl 69A SC 69A.2 Andre, Szczepanek	P 64	L 37	# 116
Reference Table 69-2 i SuggestedRemedy Change text from: ""where:	nstead of redefining b1 b4.			Should this be a refer Amin(f) also appears SuggestedRemedy			
b2 = 1.20E-10 b3 = 3.50E-20 b4 = -1.25E-30""				Proposed Response	Response Status O		
to: ""where IL(f) is the inse 69-2."" Proposed Response	rtion loss at frequency f (f in l Response Status O	Hz) and b1 b4	are defined in Table	Cl 69A SC 69A.2 Baumer, Howard Comment Type TR Amin is not defined. SuggestedRemedy	P 64 Broadcom Comment Status X	L 37	# 323
C/ 69A SC 69A.2 Dawe, Piers	P 64 Agilent	L 31	# 519	Define Amin Proposed Response	Response Status O		
Comment Type T Don't redefine b1b4	Comment Status X						
SuggestedRemedy Remove these four equ	uations, refer to table 69-2.						
Proposed Response	Response Status 0						

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

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	SC 60A 2 D6A / 27						
<i>Cl</i> 69A <i>SC</i> 69A.2 Weiner, Nick	P 64	L 37	# 87	<i>Cl</i> 69A <i>SC</i> 69A.2 David V James	Р 65 JGG	L 13	# 666
Comment Type TR ""The insertion loss of However Amin() has r	Comment Status X f the compliance channel above not been defined.	ve f2 should be g	reater than Amin(f2).""		Comment Status X		
SuggestedRemedy Define Amin().				SuggestedRemedy	ys applies, regardless of whet	iner the callout is	spin into muniple lines
Proposed Response	Response Status O			Insertion Loss ==> Insertion loss			
<i>Cl</i> 69A <i>SC</i> 69A.2 Healey, Adam	P 64 Agere Systen	L 39 ns	# 257	Proposed Response	Response Status O		
Comment Type E ""is greater than minIS	Comment Status X SILoss"" would read better as	""should be grea	ter than minISILoss"".	<i>Cl</i> 69A <i>SC</i> 69A.2 Dawe, Piers	P 65 Agilent	L 20	# 521
SuggestedRemedy Per comment.				Comment Type T 'fbaud' needs defining	Comment Status X		
Proposed Response	Response Status O			<i>SuggestedRemedy</i> Suggest change to 'si	gnaling frequency'.		
CI 69A SC 69A.2 Spagna, Fulvio	<i>Р</i> 65 INTEL	L 1	# 166	Proposed Response	Response Status O		
Comment Type E It would be helpful to s	<i>Comment Status</i> X show minISIloss on this graph			<i>Cl</i> 69A <i>SC</i> 69A.2 Dawe, Piers	P 65 Agilent	L 22	# <u>5</u> 20
SuggestedRemedy Modify graph to show	minISIlosss.			<i>Comment Type</i> T Figure caption could b	Comment Status X be misleading: need to say it's	s the test channel	not a service channel
Proposed Response	Response Status O			SuggestedRemedy Change to e.g. 'Respo	onse and limits of example co	mpliance channe	91'

CI 69A SC 69A.2

C/ 69A SC 69A.2	P 69	L 22	# 118		C 69A.3	P 65	L 27	# 167
Andre, Szczepanek				Spagna, Fulvio		INTEL		
Comment Type ER	Comment Status X			Comment Type	ER	Comment Status X		
predominantly uses '	ice Tolerance testing is now m		C C			for the compliance channel is straint on how small the inser		
Eg. Line 69: ""The in loss limit""	sertion loss should be greater	than or equal to t	he worst-case insertion	SuggestedRem	edy			
	e the mandatory interference to	olerance test para	ameters without	Change tex			in of wints off to a	
to the specifications	compliant transmitter can be a for the respective port type"". on loss of the compliance cha			component the interfere requiremen	, as long as ence injections ts of the co	pair directional couplers, a pa s it passes data with sufficient on block and the frequency-d mpliance channel. It should a ugh to cause a BER of at leas	tly small loss so ependent attenu also be capable o	that the combination of ator satisfies the
SuggestedRemedy	on loss of the compliance cha					3		
,	shall be greater than or equal to	o the worst-case	insertion loss limit""	to:				
""The compliant trans	smitter shall be a transmitter w respective port type"".				, as long as	pair directional couplers, a pa it allows injecting differential		
specifications for the								
	of the compliance channel abo	ve f2 shall be gre	ater than""	Proposed Resp	onse	Response Status O		
"The insertion loss o	of the compliance channel abo	-	ater than""	· · ·		,		
""The insertion loss o	-	-	ater than""	· · ·	C 69A.3	Response Status O P 65 Broadcom	L 27	# 324
""The insertion loss of Check all	in clause 69A to see it they no	-	ater than""	C/ 69A SC	C 69A.3 d E	, Р65	L 27	# <u>324</u>
""The insertion loss of Check all	in clause 69A to see it they no	-	ater than""	C/ 69A So Baumer, Howar Comment Type Missing "of" SuggestedRem	C 69A.3 d E	P 65 Broadcom		# <u>324</u>

Cl 69A SC 69A.3

<i>Cl</i> 69A <i>SC</i> 69A.3 Spagna, Fulvio	8 <i>P</i> 66 INTEL	L 21	# 169	Cl 69A SC 69A.3.3 Moore, Charles	8.5 <i>P</i> 59	L 11	# 105
Comment Type TR	Comment Status X			Comment Type TR	Comment Status X		
Log(mBER) is a ne	gative number so taking the squ	are root of Log(n	nBER) is not		uesswork. We should tie the spresent on this at the Septem		iver Interference
SuggestedRemedy				SuggestedRemedy			
Will be presented in	n a separate ppt at the Septemb	er meeting.		Will provide text ind c	liagrams if needed as part of p	oresentaiton.	
Proposed Response	Response Status O			Proposed Response	Response Status O		
CI 69A SC 69A.3	<i>P</i> 66	L 6	# 168	C/ 69A SC 69A.4	P 65	L 34	# 100
Spagna, Fulvio	INTEL			Gao, Xiao Ming	Intel		-
Comment Type E Reword sentence.	Comment Status X			Comment Type TR Line 34-37	Comment Status X		
SuggestedRemedy				The interference gen world crosstalk interfe	eration using sweep sine wave erences.	es is not an accu	rate simulation of rea
Change text from:							
0				SuggestedRemedy			
	nce generator amplitude still zer the BERT or the DUT BIST (ml			New interference ger	neration methods need to be ir al to implement in testing.	nvestigated. The	methods must be
				New interference ger		nvestigated. The	methods must be
measured by either to: ""With the interferer	the BERT or the DUT BIST (minimum of the BERT or the DUT BIST (minimum of the BERT or the BIST of the	BER) is very low. o or very low, est	"" tablish that the	New interference ger accurate and practica	al to implement in testing.	L 35	methods must be # 302
measured by either to: ""With the interferen measured BER, mE	the BERT or the DUT BIST (ml nce generator amplitude still zer BER, as reported by the BERT o	BER) is very low. o or very low, est	"" tablish that the	New interference ger accurate and practica Proposed Response	al to implement in testing. <i>Response Status</i> O	Ū	
measured by either to: ""With the interferen measured BER, mE	the BERT or the DUT BIST (minimum of the BERT or the DUT BIST (minimum of the BERT or the BIST of the	BER) is very low. o or very low, est	"" tablish that the	New interference ger accurate and practica Proposed Response	al to implement in testing. <i>Response Status</i> O <i>P</i> 65	Ū	
measured by either to: ""With the interferen measured BER, mE Proposed Response	the BERT or the DUT BIST (ml nce generator amplitude still zer BER, as reported by the BERT o <i>Response Status</i> O	BER) is very low. o or very low, est	"" tablish that the	New interference ger accurate and practica Proposed Response Cl 69A SC 69A.4 Abler, Joe Comment Type T Since measurements	al to implement in testing. <i>Response Status</i> O <i>P</i> 65 IBM	L 35	# 302
measured by either to: ""With the interferen measured BER, mE Proposed Response	the BERT or the DUT BIST (ml nce generator amplitude still zer BER, as reported by the BERT o <i>Response Status</i> O	BER) is very low. To or very low, est or the DUT BIST i	"" tablish that the is very low.""	New interference ger accurate and practica Proposed Response Cl 69A SC 69A.4 Abler, Joe Comment Type T Since measurements	al to implement in testing. <i>Response Status</i> O <i>P</i> 65 IBM <i>Comment Status</i> X s are taken at fbaud, the phase	L 35	# 302
measured by either to: ""With the interfere measured BER, me Proposed Response CI 69A SC 69A.3 Grow, Robert Comment Type E	the BERT or the DUT BIST (minimized generator amplitude still zer BER, as reported by the BERT of <i>Response Status</i> O	BER) is very low. to or very low, est or the DUT BIST i	"" tablish that the is very low."" # 227	New interference ger accurate and practica Proposed Response Cl 69A SC 69A.4 Abler, Joe Comment Type T Since measurements will have a difference SuggestedRemedy Add an additional sta	al to implement in testing. <i>Response Status</i> O <i>P</i> 65 IBM <i>Comment Status</i> X s are taken at fbaud, the phase	<i>L</i> 35 e of the interferen fication on the ph ering signal to the	# 302
measured by either to: ""With the interferen measured BER, mE Proposed Response Cl 69A SC 69A.3 Grow, Robert Comment Type E Not sure if we got p SuggestedRemedy	the BERT or the DUT BIST (milling of the BERT or the DUT BIST (milling of the BERT of BER, as reported by the BERT of <i>Response Status</i> O P67 Intel <i>Comment Status</i> X beak-to-peak units accepted in the first of the beat of t	BER) is very low. to or very low, est or the DUT BIST i <i>L</i> 21 ne Sponsor ballot	"" tablish that the is very low."" # 227	New interference ger accurate and practica Proposed Response Cl 69A SC 69A.4 Abler, Joe Comment Type T Since measurements will have a difference SuggestedRemedy Add an additional sta	al to implement in testing. <i>Response Status</i> O <i>P</i> 65 IBM <i>Comment Status</i> X are taken at fbaud, the phase on results. There is no speci tement: The path of the interfe	<i>L</i> 35 e of the interferen fication on the ph ering signal to the	# <u>302</u> nce relative to the da nase relationship e DUT should be
measured by either to: ""With the interferen measured BER, mE Proposed Response Cl 69A SC 69A.3 Grow, Robert Comment Type E Not sure if we got p SuggestedRemedy	the BERT or the DUT BIST (ml nce generator amplitude still zer BER, as reported by the BERT o <i>Response Status</i> O <i>P</i> 67 Intel <i>Comment Status</i> X	BER) is very low. to or very low, est or the DUT BIST i <i>L</i> 21 ne Sponsor ballot	"" tablish that the is very low."" # 227	New interference ger accurate and practica Proposed Response Cl 69A SC 69A.4 Abler, Joe Comment Type T Since measurements will have a difference SuggestedRemedy Add an additional sta calibrated at fbaud su	al to implement in testing. <i>Response Status</i> O <i>P</i> 65 IBM <i>Comment Status</i> X is are taken at fbaud, the phase on results. There is no speci tement: The path of the interfer uch that the interfering signal is	<i>L</i> 35 e of the interferen fication on the ph ering signal to the	# <u>302</u> nce relative to the dat nase relationship e DUT should be

CI 69A SC 69A.4

C/ 69A SC 69A.4 Baumer, Howard	P 65 Broadcom	L 36	# 325	C/ 69A SC 69A.5 P 64 L 21 # 104 Moore, Charles 104
Comment Type TR	<i>Comment Status</i> X urately? 10%, 25%, 0.00001%?			Comment Type T Comment Status X If a large number of data points are measured in the iterference tolerance plot the
SuggestedRemedy				minimum of the plot represent a BER significantly lower than the standard BER. To compensate for this, extrapolate to a target BER greater than 1e-12.
Define accurately				SuggestedRemedy
Proposed Response	Response Status O			add text:
<i>Cl</i> 69A <i>SC</i> 69A.4 Baumer, Howard	P 65 Broadcom	L 36	# 326	Define a target BER based on the system target spec of 1e-12. This target will be higher than 1e-12 by the number of sample points within each region of the frequency range of the test. The number of regions is taken to be 10.
Comment Type TR	Comment Status X			target BER = 1e-12 * N/10
There is no defined me data signal	ethod on how to combine the inte	erference sigi	nal and the attenuated	where N is the total number of equally spaced frequencies where interference tolerance is measured.
SuggestedRemedy Define a method				(also change any reference to BER of 1e-12 in the description of the extrapolation to
	Response Status O			""target BER"")
Proposed Response				Proposed Response Response Status O
<i>Cl</i> 69A <i>SC</i> 69A.4 Kundu, Aniruddha	P 65 Intel	L 36	# 628	C/ 69A SC 69A.5 P 65 L 42 # 327 Baumer, Howard Broadcom
Comment Type TR Iterference generator r random noise environr	Comment Status X needs to add a phase shift to the ment.	e variable am	plitude as well to create	Comment Type E Comment Status X Inconsistant wording: using "error rates" for "standard BER"
SuggestedRemedy	"from f1 to fbaud with adjust	ahle amplitud	e from with adjustable	SuggestedRemedy Replace "error rates" with "standard BER"
	to fbaud with adjustable amplit			Proposed Response Response Status O

Cl 69A SC 69A.5

Cl 69A SC 69A.5 Baumer, Howard	P 66 Broadcom	L 1	# 328	CI 69A SC 69A.5 P 66 L 21 # 81 Altmann, Michael Intel
Comment Type E Un-needed and confus	Comment Status X sing wording			Comment Type ER Comment Status X The formula for plotting is sqrt(log(mBER)). For normal operational BE rates, this yields an imaginary number
SuggestedRemedy Replace "So the comp Proposed Response	oliant transmitter accepts data" Response Status O	with "data accep	oted"	SuggestedRemedy SuggestedRemedy: Change formula to log(mBER) Proposed Response Response Status O
C/ 69A SC 69A.5 Grow, Robert	P 66 Intel	L 16	# 226	C/ 69A SC 69A.5 P 66 L 21 # 106 Moore, Charles
Comment Type E Unnecessary abreviat SuggestedRemedy	<i>Comment Status</i> X ion.			Comment Type TR Comment Status X Method described to extrapolate from standard BER to 1e-12 is
,	p-peak here and in following line	2.		1. likely to difficult to impliment by some
Proposed Response	Response Status O			 not the only valid way, or even necessarily the best as written, mathematically nonsense since it involves taking the square root of a negative number.
CI 69A SC 69A.5 Baumer, Howard	P 66 Broadcom	L 21	# 332	SuggestedRemedy Require extrapolation to BER=1e-12 but only suggest a method, not prescribe one.
Comment Type T This equation does no figure shows BER	Comment Status X at match Figure 69A-3. Equation	n says sqrt(log(mBER)) whereas the	Try:
8				Extrapolate the interference-BER data to a BER of 1e-12. The difference between the interference at standard BER and the extrapolated value at 1e-12 is the extrapolation off-set. The extrapolation can be done several ways. Fitting the tail of
	Response Status O			the interference-BER data using a quadratic in interference to match the log of BER is one. This is illustrated in figure (69A-3)
SuggestedRemedy Proposed Response	Response Status 0			

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C/ 69A SC 69A.5	<i>P</i> 66	L 23	# 228	C/ 69A SC 69A.5 P 66 L 23 # 232
Grow, Robert <i>Comment Type</i> E Typo	Intel Comment Status X			Dudek, Mike Picolight Comment Type E Comment Status X duplicate word ""data""
SuggestedRemedy Change ""data data"" to "'	"data"".			SuggestedRemedy Remove one data.
Proposed Response	Response Status O			Proposed Response Response Status O
<i>Cl</i> 69A <i>SC</i> 69A.5 Baumer, Howard	P 66 Broadcom	L 23	# 335	C/ 69A SC 69A.5 P 66 L 27 # 301 Abler, Joe IBM
Comment Type TR Extrapolation method isn"	Comment Status X			Comment Type T Comment Status X There's no definition of how many samples should be taken
SuggestedRemedy Define the extrpolation me	ethod			SuggestedRemedy Define a minimum of 20 samples equally spaced between f1 and fbaud
Proposed Response	Response Status O			Proposed Response Response Status O
<i>Cl</i> 69A <i>SC</i> 69A.5 Baumer, Howard	P 66 Broadcom	L 23	# 334	C/ 69A SC 69A.5 P 66 L 28 # 336 Baumer, Howard Broadcom Br
Comment Type TR Repeated word "data"	Comment Status X			Comment Type E Comment Status X Missing "an"
<i>SuggestedRemedy</i> Delete on of the "data"s				SuggestedRemedy Change "à give mBER = standard BER." to "à give an mBER = the standard BER."
Proposed Response	Response Status O			Proposed Response Response Status O
<i>Cl</i> 69A <i>SC</i> 69A.5 Baumer, Howard	P 66 Broadcom	L 23	# 333	C/ 69A SC 69A.5 P 66 L 28 # 337 Baumer, Howard Broadcom Br
<i>Comment Type</i> TR Linear part of the data isn	Comment Status X			Comment Type E Comment Status X Missing "the"
SuggestedRemedy Define which points are th	he liniear part of the data			SuggestedRemedy Change "At each frequency extrapolated à" to "At each frequency the extrapolated à"
	Response Status O			Proposed Response Response Status O

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

TYPE: TR/technical required ER/editorial required GR/gener	al required T/technical E/editorial	G/general		CI 604	Dage 64 of 195
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SORT ORDER: Clause, Subclause, page, line				SC 69A.5	9/2/2005 2:33:09 PM

CI 69A SC 69A.5 Baumer, Howard	P 66 Broadcom	L 29	# 338	<i>Cl</i> 69A <i>SC</i> 69A.5 Baumer, Howard	P 66 Broadcom	L 34	# 339
Comment Type E Wrong tense	Comment Status X			Comment Type E Overlaping frequency	Comment Status X ranges		
SuggestedRemedy Change "give" to "gav	/e"			SuggestedRemedy Change "f1<=f <fbaud< td=""><td>" to "f1<=f<0.6fbaud"</td><td></td><td></td></fbaud<>	" to "f1<=f<0.6fbaud"		
Proposed Response	Response Status O			Proposed Response	Response Status O		
<i>Cl</i> 69A <i>SC</i> 69A.5 Baumer, Howard	P 66 Broadcom	L 34	# 340	<i>Cl</i> 69A <i>SC</i> 69A.5 Liu, Cathy	P 66	L 34	# 108
Comment Type E Improper IEEE forma	Comment Status X tting			Comment Type E Should ""EIT Baseline 0.6*fbaud""?	Comment Status X e EITbase, for f1 = .f <fbaud"" b<="" td=""><td>be ""EIT Baseline</td><td>e EITbase, for f1 = .f<</td></fbaud"">	be ""EIT Baseline	e EITbase, for f1 = .f<
SuggestedRemedy Label the equations o	on line 34 and 36 with the stand	lard IEEE equation	ion format	SuggestedRemedy			
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 69A SC 69A.5 Abler, Joe	<i>Р</i> 66 ІВМ	L 34	# 303	C/ 69A SC 69A.5	<i>P</i> 66	L 34	# 231
<i>Comment Type</i> T freq range is wrong	Comment Status X			Dudek, Mike Comment Type T ELT baseleine equation	Picolight <i>Comment Status</i> X on condition seems wrong (cor	flicting numbers	for f>0 6fbaud)
SuggestedRemedy change range from f1	to 0.6fbaud			SuggestedRemedy	eine = EITbase, for f1<=f<=0.6	-	, ioi 12 0.010444)
Proposed Response	Response Status O			Proposed Response	Response Status O	ibudu	
<i>Cl</i> 69A <i>SC</i> 69A.5 Grow, Robert	P 66 Intel	L 34	# 229				
Comment Type E	Comment Status X						
These should be form	latted de equatione.						
These should be form SuggestedRemedy Per comment.							

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

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<i>Cl</i> 69A <i>SC</i> 69A.5 Weiner, Nick	P 66	L 34	# 88	<i>Cl</i> 69A <i>SC</i> 69A.5 Baumer, Howard	P 66 Broadcom	L 4	# <u>3</u> 29
Comment Type TR First of the two equation that of the second.	Comment Status X ons defining EIT baseline does	s so over a range	e that overlaps with	Comment Type E Co Missing "or" SuggestedRemedy	omment Status X		
SuggestedRemedy				Add the line "or" above line 4	, option b).		
	f range was intended to be 0.6	Sfbaud.		Proposed Response Res	sponse Status O		
Proposed Response	Response Status O			<i>Cl</i> 69A <i>SC</i> 69A.5 Weiner, Nick	P 66	L 40	# 85
Cl 69A SC 69A.5 Grow, Robert Comment Type E Inconsistent capitalizat	P 66 Intel <i>Comment Status</i> X tion	L 36	# 230			or lowest EIT re	lative to the EIT
SuggestedRemedy Be consistent EIT Bas Proposed Response	eline or EIT baseline. Response Status O			SuggestedRemedy If I have grasped it correctly, ""The smallest difference bet (BREIT).""			
Cl 69A SC 69A.5 Baumer, Howard	P 66 Broadcom	L 4	# 330	Proposed Response Res	sponse Status O		
Comment Type E Un-needed and confus	<i>Comment Status</i> X sing wording			<i>Cl</i> 69A <i>SC</i> 69A.5 Baumer, Howard	P 66 Broadcom	L 8	# 331
SuggestedRemedy Change "So the Comp Proposed Response	pliant Transmitter transmits a <i>Response Status</i> 0	" to "A"		What is meant by "very low"' seconds are "several second		5, 10^-378.56?	and how many
				SuggestedRemedy Define "very low" and "severa	al seconds"		
				Proposed Response Res	sponse Status O		

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C/ 69A SC 69A.5 David V James Comment Type ER DVJ-57	Р 67 JGG	L 43	# 668	CI 69A SC 69A.5	P 69	L 2	# 670
Comment Type ER	199			David V James	JGG		
)	· · · · · ·						
	Comment Status X			Comment Type ER DVJ-59	Comment Status X		
Capitalization within figure Guide. This rule always ap					a clause or subclause title sho e.	ould be limited to	the first word, as per
uggestedRemedy				SuggestedRemedy			
Interference Amplitude				Physical Medium De	ependent Sublayer and Baseba	and Medium,	
==> Interference amplitude				==> Physical medium de	pendent sublayer and baseba	nd medium.	
1	Response Status O			Proposed Response	Response Status O	····,	
69A SC 69A.5	P 67	L 51	# 669	Cl 69A SC Figure	69 A-2 <i>P</i> 65	L 15	# 223
avid V James	JGG			Grow, Robert	Intel		
omment Type ER	Comment Status X			Comment Type E	Comment Status X		
DVJ-58 Capitalization within a clau the IEEE Style Guide.	use or subclause title shou	uld be limited to th	ne first word, as per		understand chart. It isn't clear otance region is. Is it bounded		
uggestedRemedy				SuggestedRemedy			
Extrapolated Interference	Tolerance			Clarify at a minimum the measurment line	n with text or better by perhaps	shading the acep	stance region. Label
Extrapolated interference	tolerance			Proposed Response	Response Status 0		
roposed Response	Response Status O						
69A SC 69A.5	P 67	L 8	# 667	Cl 69A SC Figure Grow, Robert	69A-2 P 65 Intel	L 22	# 224
avid V James	JGG			Comment Type ER	Comment Status X		
DVJ-56	Comment Status X			It should be clearer Figures 69A-3 and 6	what is example content in the 9A-4.	figures. I find sim	ilar ambiguity in
Capitalization within figure Guide. This rule always ap				SuggestedRemedy			
uggestedRemedy	spiles, regulated of wheth			Add example to the measurement as as	Figure title and/or label the plo being such.	t lines that are ex	amples of a test
Extrapolation Offset ==> Extrapolation offset				Proposed Response	Response Status O		
•	Response Status O						

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

C/ 69A SC Figure 69A-2

Cl 70 SC 70.1 Dawe, Piers	P 69 Agilent	L 12	# 525	CI 70 SC David V James	70.2	P 69 JGG	L 26	# 671
Comment Type T	Comment Status X			Comment Type	ER	Comment Status X		
Table does not list (th 1000BASE-KX PMD.	ne complete set of) physical lag Note text at line 8.	yer clauses asso	ciated with the	DVJ-60 Capitalizatio the IEEE St		clause or subclause title shou	uld be limited to	the first word, as per
SuggestedRemedy				SuggestedReme	•			
0 (1)	sical layer device) clauses ass	sociated' Simil	larly in clauses /1, /2.	••		endent (PMD) Service Interfac	се	
Proposed Response	Response Status O			==>				
					•	endent (PMD) service interfac	e	
<i>Cl</i> 70 <i>SC</i> 70.1 Marris, Arthur	P 69	L 7	# 32	Proposed Respo	onse	Response Status O		
Comment Type E	Comment Status X			CI 70 SC	; 70.2	P 69	L 27	# 545
Grammar, replace ""F	PMA, PMD is"" with ""PMA and	d PMD are"", also	o consider deleting "",or	Grow, Robert		Intel		
					-	Comment Status X		
equivalent"".				Comment Type	E	Comment Status X		
SuggestedRemedy Change ""In order to t	form a complete PHY (physica			51	ummary o	f the service interface.		
SuggestedRemedy Change ""In order to combined with the ma management interfac complete PHY (physi	anagement functions which are the defined in Clause 45, or equical layer device), a PCS, PMA ns which are optionally access	e optionally accestivalent."" to ""In o and PMD are co	ssible through the order to form a ombined with the	Delete the s SuggestedReme	ummary o e <i>dy</i> nt, also ne		e corresponding	changes in Clauses 71
SuggestedRemedy Change ""In order to combined with the ma management interfac complete PHY (physi management functior	anagement functions which are the defined in Clause 45, or equical layer device), a PCS, PMA ns which are optionally access	e optionally accestivalent."" to ""In o and PMD are co	ssible through the order to form a ombined with the	Delete the s SuggestedReme Per commen and 72.	ummary o e <i>dy</i> nt, also ne	f the service interface. ed to update p. 70 l. 27. Make	e corresponding	changes in Clauses 71
SuggestedRemedy Change ""In order to combined with the ma management interfac complete PHY (physi management functior defined in Clause 45. Proposed Response	anagement functions which are the defined in Clause 45, or equical layer device), a PCS, PMA rs which are optionally access "" <i>Response Status</i> O	e optionally accessivalent." to ""In o and PMD are co ible through the r	ssible through the order to form a ombined with the management interface	Delete the s SuggestedReme Per commer and 72. Proposed Respo	ummary o e <i>dy</i> nt, also ne	f the service interface. ed to update p. 70 l. 27. Make	e corresponding	changes in Clauses 71 # <u>672</u>
SuggestedRemedy Change ""In order to to combined with the ma management interfac complete PHY (physi management function defined in Clause 45. Proposed Response	anagement functions which are the defined in Clause 45, or equical layer device), a PCS, PMA rs which are optionally access	e optionally accessivalent."" to ""In o and PMD are co ible through the r	ssible through the order to form a ombined with the	Delete the s SuggestedReme Per commer and 72. Proposed Respo Cl 70 SC David V James Comment Type	ummary o edy nt, also ne onse	f the service interface. ed to update p. 70 l. 27. Make <i>Response Status</i> O <i>P</i> 69		
SuggestedRemedy Change ""In order to the combined with the management interface complete PHY (physis management function defined in Clause 45. Proposed Response CI 70 SC 70.1 Barrass, Hugh Comment Type T A 1Gbps MAC device	anagement functions which are the defined in Clause 45, or equical layer device), a PCS, PMA his which are optionally access "" <i>Response Status</i> O <i>P</i> 69	e optionally accessivalent."" to ""In o and PMD are co ible through the r	ssible through the order to form a ombined with the management interface # 433	Delete the s SuggestedReme Per commer and 72. Proposed Respo CI 70 SC David V James Comment Type DVJ-61	ummary o edy nt, also ne onse 70.3 ER n within a	f the service interface. ed to update p. 70 l. 27. Make <i>Response Status</i> O <i>P</i> 69 JGG	L 36	# 672
SuggestedRemedy Change ""In order to combined with the ma management interfac complete PHY (physi management functior defined in Clause 45. Proposed Response CI 70 SC 70.1 Barrass, Hugh Comment Type T A 1Gbps MAC device MDIO interface.	anagement functions which are the defined in Clause 45, or equical layer device), a PCS, PMA is which are optionally access <i>Response Status</i> O <i>P</i> 69 Cisco System <i>Comment Status</i> X	e optionally accessivalent."" to ""In o and PMD are co ible through the r	ssible through the order to form a ombined with the management interface # 433	Cl 70 SC David V James Comment Type DVJ-61 Capitalizatio	ummary o edy nt, also ne onse 70.3 ER n within a yle Guide.	f the service interface. ed to update p. 70 l. 27. Make <i>Response Status</i> O <i>P</i> 69 JGG <i>Comment Status</i> X	L 36	# 672
SuggestedRemedy Change ""In order to the combined with the main management with the main management function defined in Clause 45. Proposed Response CI 70 SC 70.1 Barrass, Hugh Comment Type T A 1Gbps MAC device MDIO interface. SuggestedRemedy	anagement functions which are the defined in Clause 45, or equical layer device), a PCS, PMA is which are optionally access <i>Response Status</i> O <i>P</i> 69 Cisco System <i>Comment Status</i> X	e optionally accessivalent."" to ""In o and PMD are co ible through the r <i>L</i> 9 ns d most likely pref	ssible through the order to form a ombined with the management interface # 433	Delete the s SuggestedReme Per commer and 72. Proposed Respo CI 70 SC David V James Comment Type DVJ-61 Capitalizatio the IEEE St	ummary o edy nt, also ne onse 70.3 ER n within a yle Guide. edy raints	f the service interface. ed to update p. 70 l. 27. Make <i>Response Status</i> O <i>P</i> 69 JGG <i>Comment Status</i> X	L 36	# 672

CI 70 SC 70.3

CI 70 Dawe, Piers	SC 70.3	P 69 Agilent	L 43	# 522	<i>Cl</i> 70 David V Jame	<i>SC</i> 70.5 es	Р 70 JGG	L 25	# 673
Comment T	vpe T	Comment Status X			Comment Typ	e ER	Comment Status X		
PMD in		't know how much the 'media	delay' is, he do	esn't control the size of	DVJ-62 Capitaliza	ation within a	clause or subclause title sho	uld be limited to	the first word, as per
uggestedF	Remedy					Style Guide.			
Either; I a define	leave out the de ed length of me	elay of the medium, like CX4; dium, like the optical PMDs.	or (perhaps not Similarly in clau	very accurate) leave in ses 71, 72.		<i>medy</i> ctional Speci	fications		
Proposed F	lesponse	Response Status O			==> PMD fund	ctional specifi	cations		
					Proposed Res	sponse	Response Status O		
C/ 70 Grow, Robe	SC 70.4	P 69 Intel	L 49	# 546	<u></u>	00 70 F	0.70	/ 07	#
<i>Comment T</i> Gramm		Comment Status X			<i>Cl</i> 70 Grow, Robert	SC 70.5	P 70 Intel	L 27	# 547
SuggestedF If the M	Remedy DIO is impleme				Comment Typ The servi SuggestedRe	ce interface o	<i>Comment Status</i> X lefinitions aren't in 70.2, at m	ost, only a summ	nary.
Make c Proposed F		hanges in Clauses 71 and 72. <i>Response Status</i> O			The 1000	BASE-KX PN	ID performs three functions, g service interface primitives		ve, and Signal Detect in
					Proposed Res	sponse	Response Status O		
C/ 70 lealey, Ada	<i>SC</i> 70.4 am	P 70	L 5	# 98					
omment T		Comment Status X				SC 70.5	P 70	L 37	# 21
	51	and control variable mapping	gs for 1000BASI	E-KX are broken.	Abbott, John	_			
		1.10 are currently 10G speci guidance on how to support 10			Comment Typ		Comment Status X nes 37-38 states a recomme	adation that ""it is	therefore
-		juidance on now to support it					s path be carefully designed t		
behavio		n of 1.8, 1.9, and 1.10 to be m	nore generic so	hat 1000BASE-KX	explaining	how to dete inciples whic	be given to the possibility of a rmine if the measurement is n can be used as an example	accurate or whet	her there are general
-or-					SuggestedRe	medy			
but for t	the 1000BASE-	register(s) that mirrors the fu KX port type (or perhaps 1G					example showing the need for m a previous standard where		
mappin	g accordingly.				Proposed Res	sponse	Response Status O		
		difications to both clause 45 a	and clause 70 a	e required.					
For bot	h solutions, mo								

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

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<i>Cl</i> 70 <i>SC</i> 70.5 David V James	<i>Р</i> 70 JGG	L 54	# 674	<i>Cl</i> 70 <i>SC</i> 70.5.1 Dudek, Mike	P 70 Picolight	L 40	# 233
Comment Type ER DVJ-63 Capitalization within a the IEEE Style Guide.	Comment Status X	uld be limited to t	he first word, as per	SuggestedRemedy	Comment Status X isn't specified exactly. This a		
SuggestedRemedy Link Block Diagram ==> Link block diagram					h. TP1 and TP4 are after a s nis separable connector, whe <i>Response Status</i> O		
Proposed Response	Response Status O			Cl 70 SC 70.5.1 Dawe, Piers	P 70 Agilent	L 41	# 524
Cl 70 SC 70.5.1 Dawe, Piers	P 70 Agilent	L 37	# 523	Comment Type E Something wrong with bitmap not a vector/tex	Comment Status X figure 70-1: poor quality, can	't select text. Se	eems to be a kind of
Comment Type T	Comment Status X			•	a ngaro.		
under test, so the mea SuggestedRemedy Change to 'The electr	agree with reason. Anything be asurement is accurate. But pe ical path from the transmitter b ject link performance and the r	erformance might	be bad. I from TP4 to the	SuggestedRemedy Translate the figure a c 72. Proposed Response	different way or start again fro Response Status O	m figure 69-2. S	Similarly in clauses 71
under test, so the mea SuggestedRemedy Change to 'The electr receiver block, will aff parameters used to ve that this path be caref	asurement is accurate. But per ical path from the transmitter to ect link performance and the r erify conformance to this spec fully designed.' Similarly in cla	erformance might block to TP1, and neasured values ification. It is ther	be bad. I from TP4 to the of electrical	Translate the figure a c 72.	, ,	bm figure 69-2. S	Similarly in clauses 71 # 548
under test, so the mea SuggestedRemedy Change to 'The electr receiver block, will affi parameters used to ve that this path be caref Proposed Response	asurement is accurate. But per ical path from the transmitter to ect link performance and the r erify conformance to this spec fully designed.' Similarly in cla <i>Response Status</i> O <i>P</i> 70 <i>Comment Status</i> X	erformance might block to TP1, and neasured values ification. It is ther auses 71, 72.	t be bad. I from TP4 to the of electrical refore recommended # 72	Translate the figure a c 72. Proposed Response CI 70 SC 70.5.2 Grow, Robert Comment Type E Grammar SuggestedRemedy ""according to the elect specifications""	Response Status O P71 Intel Comment Status X trical specifications"", or as it	L 4	# 548
under test, so the mea SuggestedRemedy Change to 'The electr receiver block, will affi parameters used to ve that this path be caref Proposed Response C/ 70 SC 70.5.1 Alping, Arne Comment Type E	asurement is accurate. But per ical path from the transmitter b iect link performance and the r erify conformance to this spec fully designed.' Similarly in cla <i>Response Status</i> O <i>P</i> 70 <i>Comment Status</i> X zy, probably due to jpg coded p	erformance might block to TP1, and neasured values ification. It is ther auses 71, 72.	t be bad. I from TP4 to the of electrical refore recommended # 72	Translate the figure a c 72. Proposed Response CI 70 SC 70.5.2 Grow, Robert Comment Type E Grammar SuggestedRemedy ""according to the elect	Response Status O P71 Intel Comment Status X	L 4	# 548

CI 70 SC 70.5.2

C/ 70 SC 70.5.4 Grow, Robert	P 71 Intel	L 23	# 549	<i>Cl</i> 70 <i>SC</i> 70.5.4 Spagna, Fulvio	<i>Р</i> 71 INTEL	L 32	# <u>1</u> 70
Comment Type E Appears to be a white SuggestedRemedy Check FrameMaker so	<i>Comment Status</i> X line on DETECT. ource to verify if this is a pdf pi	roblem or somet	thing in the source.	compliant 1000BASE	Comment Status X 1) indicates that ""The PMD read E-X signal is being received."" The able 70-4 references a parame fined.	Table 70-4 indica	tes that this is a
Proposed Response	Response Status O		-	SuggestedRemedy Remove ""AND com	pliant 1000BASE-X input signa	al"" from the firs	t row in Table 70-4.
<i>Cl</i> 70 <i>SC</i> 70.5.4 John, D'Ambrosia	P 71	L 24	# 141	Add ""Minimum Diffe - OR -	rential Sensitivity"" parameter	to Table 70-7	
Comment Type ER use of 1000BASE-X SuggestedRemedy replace with 1000BAS	Comment Status X			-	Differential Sensitivity"" in Tab Response Status O	le 70-4 with a ha	rd limit.
Proposed Response	Response Status O			<i>Cl</i> 70 <i>SC</i> 70.5.4 Baumer, Howard	P 71 Broadcom	L 33	# 342
<i>Cl</i> 70 <i>SC</i> 70.5.4 Baumer, Howard	P 71 Broadcom	L 24	# 341	<i>Comment Type</i> T Vinput is not defined	Comment Status X anywhere		
Comment Type T Conflict between text v	<i>Comment Status</i> X wording and Table 70-4 wordir	ng. Text savs Sl	GNAL DETECT	SuggestedRemedy Define Vinput			
	for a compliant 1000BASE-X		_	Proposed Response	Response Status O		
SuggestedRemedy Pick one and make the	e text and table match						
Proposed Response	Response Status O						

Cl 70 SC 70.5.4

C/ 70 Iealey, Ada	<i>SC</i> 70.5.4 am	P 71	L 33	# 94	<i>CI</i> 70 David V Jar	SC 70.5.5 mes	Р 71 JGG	L 46	# 675
Comment T	ype T	Comment Status X			Comment T	ype ER	Comment Status X		
SIGNAL	DETECT is c	defined to be set to OK when the However the minimum differe			DVJ-64 Capitali		clause or subclause title sh	ould be limited to	the first word, as per
		definition for 10GBASE-KX4 i n, for no obvious reason.	s much more cle	early defind than the	Suggested	,			
SuggestedF	Remedv				PMD Ti ==>	ransmit Disable	e Function		
		an optional feature, it needs to	be defined com	npletely, or removed	-	ansmit disable	function		
from the	e specification	entirely.			Proposed F	Response	Response Status 0		
SIGNAL	DETECT def	n, it would seem appropriate t finition, and define 1000BASE	KX specific valu	ues for	<u> </u>	SC 70.5.5	P71	/ 50	# 047
	_	OK"" level and ""SIGNAL_DE	IECI = FAIL"" I	level.	C/ 70 Dudek, Mik		P71 Picolight	L 50	# 247
Proposed R	lesponse	Response Status O			·		0		
					Comment 7		Comment Status X requires the signal to be turn	and off quals that t	ha autaut daga pat
	00 -0 - 4	P 71	L 34	# 570			equires the signal to be turn	ieu on such that t	
-	SC 70.5.4 ert	Intel	L 34	# 570	exceed obvious	the max signal signa	in Table 70-5. The only magnetic same problem applies to ta	ax signal in table ble 71-5 and table	70-5 is 1600mV which e 72-7
irow, Robe	ert		L 34	# 570	exceed obvious Suggested	sly wrong. The	ame problem applies to ta	ax signal in table ble 71-5 and table	/0-5 is 1600mV which 9 72-7
arow, Robe Comment T ""compl	ert <i>ype</i> TR liant 1000BASE	Intel Comment Status X E-X signal input"" is not defined	-		obvious Suggested	sly wrong. The R <i>emedy</i>	a in Table 70-5. The only mass same problem applies to ta ea 70-5,71-5, and 72-7 for T	ble 71-5 and table	9 72-7
	ert <i>ype</i> TR liant 1000BASE	Intel Comment Status X	-		obvious Suggested	sly wrong. The Remedy tra linea to table	same problem applies to ta	ble 71-5 and table	9 72-7
Grow, Robe Comment T ""compl aggrega SuggestedF	ert Type TR liant 1000BASE ation of port typ Remedy	Intel Comment Status X E-X signal input"" is not defined bes using the same PCS.	d, especially sind		obvious <i>Suggestedl</i> Add ext	sly wrong. The Remedy tra linea to table	same problem applies to ta ea 70-5,71-5, and 72-7 for T	ble 71-5 and table	9 72-7
row, Robe Comment T ""compl aggrega CuggestedF	ert Type TR liant 1000BASE ation of port typ Remedy	Intel Comment Status X E-X signal input"" is not defined	d, especially sind		obvious Suggested Add ext Proposed F	sly wrong. The Remedy tra linea to table Response	same problem applies to ta ea 70-5,71-5, and 72-7 for T <i>Response Status</i> O	ble 71-5 and table	≥ 72-7 tput.
row, Robe comment T ""compl aggrega uggestedF Define v	ert TR liant 1000BASE ation of port typ Remedy what it is either	Intel Comment Status X E-X signal input"" is not defined bes using the same PCS.	d, especially sind		obvious <i>Suggestedl</i> Add ext	sly wrong. The Remedy tra linea to table Response SC 70.5.5	same problem applies to ta ea 70-5,71-5, and 72-7 for T	ble 71-5 and table	9 72-7
row, Robe comment T ""compl aggrega uggestedF Define v roposed R	ert TR liant 1000BASE ation of port typ Remedy what it is either Response	Intel <i>Comment Status</i> X E-X signal input"" is not defined bes using the same PCS. T in supporting text or by refere <i>Response Status</i> O	d, especially sind	ce 1000BASE-X is an	obvious Suggested Add ext Proposed F Cl 70 Baumer, Ho Comment T	sly wrong. The Remedy tra linea to table Response SC 70.5.5 oward Type T	same problem applies to ta ea 70-5,71-5, and 72-7 for T <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X	ble 71-5 and table x disable max ou <i>L</i> 52	# 12-7 tput. # 1344
row, Robe omment T ""compl aggrega uggestedF Define v roposed R	ert TR liant 1000BASE ation of port typ Remedy what it is either Response SC 70.5.4	Intel <i>Comment Status</i> X E-X signal input"" is not defined bes using the same PCS. T in supporting text or by refere <i>Response Status</i> O <i>P</i> 71	d, especially sind		obvious Suggested Add ext Proposed F Cl 70 Baumer, Ho Comment 7 Referer	sly wrong. The Remedy tra linea to table Response SC 70.5.5 oward Type T nce is made to	same problem applies to ta ea 70-5,71-5, and 72-7 for T <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X Table 70-3, however, sub-c	ble 71-5 and table x disable max ou <i>L</i> 52 ause 70.6.1.4 is v	# 344 what sets the PICS
row, Robe omment T ""compl aggrega uggestedF Define v roposed R 1 70 aumer, Ho	ert Type TR liant 1000BASE ation of port typ Remedy what it is either Response SC 70.5.4 ward	Intel <i>Comment Status</i> X E-X signal input"" is not defined bes using the same PCS. T in supporting text or by refere <i>Response Status</i> O <i>P</i> 71 Broadcom	d, especially sind	ce 1000BASE-X is an	obvious Suggested Add ext Proposed F Cl 70 Baumer, Ho Comment 7 Referer complia	sly wrong. The Remedy tra linea to table Response SC 70.5.5 oward Type T nee is made to ance with its "sh	same problem applies to ta ea 70-5,71-5, and 72-7 for T <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X	ble 71-5 and table x disable max ou <i>L</i> 52 ause 70.6.1.4 is v	# 344 what sets the PICS
row, Robe omment T ""compl aggrega uggestedF Define v roposed R / 70 aumer, Ho omment T	ert Type TR liant 1000BASE ation of port typ Remedy what it is either Response SC 70.5.4 oward Type T	Intel <i>Comment Status</i> X E-X signal input"" is not defined bes using the same PCS. T in supporting text or by refere <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X	d, especially sind nce. <i>L</i> 38	ce 1000BASE-X is an # 343	obvious Suggested Add ext Proposed F Cl 70 Baumer, Ho Comment 7 Referer complia Suggested	sly wrong. The Remedy tra linea to table Response SC 70.5.5 oward Type T nce is made to ance with its "sh Remedy	same problem applies to ta ea 70-5,71-5, and 72-7 for T <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X Table 70-3, however, sub-c nall". The reference should	ble 71-5 and table ix disable max ou <i>L</i> 52 ause 70.6.1.4 is to be to the sub-clau	# 344 what sets the PICS use.
row, Robe comment T ""compl aggrega uggestedF Define v roposed R 7 70 aumer, Ho comment T Note cla	ert <i>Type</i> TR liant 1000BASE ation of port type <i>Remedy</i> what it is either <i>Response</i> <i>SC</i> 70.5.4 ward <i>Type</i> T atims SIGNAL_	Intel <i>Comment Status</i> X E-X signal input"" is not defined bes using the same PCS. T in supporting text or by refere <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X DETECT may not activate with	d, especially sind nce. <i>L</i> 38 n an "1010à" pat	ce 1000BASE-X is an # <u>343</u> ttern, however, there is	obvious Suggested Add exi Proposed F Cl 70 Baumer, Ho Comment 7 Referer complia Suggested Change	sly wrong. The Remedy tra linea to table Response SC 70.5.5 oward Type T nce is made to ance with its "sh Remedy e "à voltage in T	same problem applies to ta ea 70-5,71-5, and 72-7 for T <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X Table 70-3, however, sub-c nall". The reference should Fable 70û5." to "à voltage in	ble 71-5 and table ix disable max ou <i>L</i> 52 ause 70.6.1.4 is to be to the sub-clau	# 344 what sets the PICS use.
arow, Robe comment T ""compl aggrega uggestedF Define v Proposed R T 70 aumer, Ho comment T Note cla no spec	ert <i>Type</i> TR liant 1000BASE ation of port type <i>Remedy</i> what it is either <i>Response</i> <i>SC</i> 70.5.4 oward <i>Type</i> T atims SIGNAL_ cific threshold d	Intel <i>Comment Status</i> X E-X signal input"" is not defined bes using the same PCS. T in supporting text or by refere <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X	d, especially sind nce. <i>L</i> 38 n an "1010à" pat	ce 1000BASE-X is an # <u>343</u> ttern, however, there is	obvious Suggested Add ext Proposed F Cl 70 Baumer, Ho Comment 7 Referer complia Suggested	sly wrong. The Remedy tra linea to table Response SC 70.5.5 oward Type T nce is made to ance with its "sh Remedy e "à voltage in T	same problem applies to ta ea 70-5,71-5, and 72-7 for T <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X Table 70-3, however, sub-c nall". The reference should	ble 71-5 and table ix disable max ou <i>L</i> 52 ause 70.6.1.4 is to be to the sub-clau	# 344 what sets the PICS use.
Grow, Robe Comment T ""compl aggrega SuggestedF Define v Proposed R Cl 70 Gaumer, Ho Comment T Note cla	ert <i>type</i> TR liant 1000BASE ation of port type <i>Remedy</i> what it is either <i>Response</i> <i>SC</i> 70.5.4 ward <i>type</i> T atims SIGNAL cific threshold of <i>Remedy</i>	Intel <i>Comment Status</i> X E-X signal input"" is not defined bes using the same PCS. T in supporting text or by refere <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X DETECT may not activate with	d, especially sind nce. <i>L</i> 38 n an "1010à" pat	ce 1000BASE-X is an # <u>343</u> ttern, however, there is	obvious Suggested Add exi Proposed F Cl 70 Baumer, Ho Comment 7 Referer complia Suggested Change	sly wrong. The Remedy tra linea to table Response SC 70.5.5 oward Type T nce is made to ance with its "sh Remedy e "à voltage in T	same problem applies to ta ea 70-5,71-5, and 72-7 for T <i>Response Status</i> O <i>P</i> 71 Broadcom <i>Comment Status</i> X Table 70-3, however, sub-c nall". The reference should Fable 70û5." to "à voltage in	ble 71-5 and table ix disable max ou <i>L</i> 52 ause 70.6.1.4 is to be to the sub-clau	# 344 what sets the PICS use.

Cl 70 SC 70.5.5

<i>Cl</i> 70 <i>SC</i> 70.5.6 David V James	Р 72 JGG	L 2	# 676	C/ 70 SC 70.5.6 Grow. Robert	P 72 Intel	L 73	# 571
Comment Type ER DVJ-65 Capitalization within a	Comment Status X clause or subclause title shou	uld be limited to th	ne first word, as per	Comment Type TR Com The use of transmitter and rece occurs from the transmitter blo	ment Status X eiver in specifying the ck and the receiver b	e loopback is inar block, presumably	opropriate. Loopback /, the transmitter and
the IEEE Style Guide. SuggestedRemedy Loopback Mode ==> Loopback mode Proposed Response	Response Status O			receiver only being subsets the SuggestedRemedy Add block when describing the of SL and SL <n> that are n the block and the SL signal tran Make consistent changes in 71 Proposed Response Respo</n>	loopback function. (ot disabled in loopba	Clarify in line 6 th ack mode. Clarify	at it is the transitions / that disable affects
7 70 SC 70.5.6 im, Yong	P 72 Broadcom	L3	# 435	CI 70 SC 70.6	P 72	L 37	# 677
Comment Type T Multiple problems in th 1 Loophack SHALL b	Comment Status X nis clause. he implimented, but method of	implementing loc	nnhack mode is not	David V James Comment Type ER Com DVJ-66	JGG ment Status X) the first word, as per
defined by this standa via conformance test 2. ""Transimitter shall	rd SHALL is a keyword for F point, it will. not be disabled when loopbac ivate the transmitter output"" c	PICS, and if the fe	eature can be tested Asserting the transmit	Capitalization within a clause o the IEEE Style Guide. <i>SuggestedRemedy</i> 1000BASE-KX Electrical Chara		uld be limited to t	he first word, as per
defined by this standa via conformance test 2. ""Transimitter shall disable bit shall deact use SHALL. Which is SuggestedRemedy 1. Need to remove SH 2. Fix the contradiction	rd SHALL is a keyword for F point, it will. not be disabled when loopbac ivate the transmitter output"" c	PICS, and if the fe sk is enabled"" ""A contradicts each c k is implimented. I, e.g. Transmitter	eature can be tested Asserting the transmit other, and they both	Capitalization within a clause o the IEEE Style Guide. SuggestedRemedy 1000BASE-KX Electrical Chara ==> 1000BASE-KX electrical chara	acteristics	uld be limited to ti	he first word, as per
defined by this standa via conformance test 2. ""Transimitter shall disable bit shall deact use SHALL. Which is suggestedRemedy 1. Need to remove SH 2. Fix the contradiction disabled transmit dis	rd SHALL is a keyword for F point, it will. not be disabled when loopbac ivate the transmitter output"" c it? IALL or specify HOW loopbac n by removing one of the shall	PICS, and if the fe sk is enabled"" ""A contradicts each c k is implimented. I, e.g. Transmitter	eature can be tested Asserting the transmit other, and they both	Capitalization within a clause o the IEEE Style Guide. SuggestedRemedy 1000BASE-KX Electrical Chara ==> 1000BASE-KX electrical chara	acteristics cteristics	uld be limited to the	he first word, as per # 20
defined by this standa via conformance test 2. ""Transimitter shall disable bit shall deact use SHALL. Which is SuggestedRemedy 1. Need to remove SH 2. Fix the contradiction disabled transmit dis	rd SHALL is a keyword for F point, it will. not be disabled when loopbac ivate the transmitter output"" of it? HALL or specify HOW loopbac n by removing one of the shall sable bit shall deactivate the tr	PICS, and if the fe sk is enabled"" ""A contradicts each c k is implimented. I, e.g. Transmitter	eature can be tested Asserting the transmit other, and they both	Capitalization within a clause o the IEEE Style Guide. SuggestedRemedy 1000BASE-KX Electrical Chara ==> 1000BASE-KX electrical chara Proposed Response Respo Cl 70 SC 70.6 Abbott, John	acteristics cteristics onse Status O P 75 ment Status X a reference to outpu	L 52 It impedance and	# 20
defined by this standa via conformance test 2. ""Transimitter shall disable bit shall deact use SHALL. Which is SuggestedRemedy 1. Need to remove SH 2. Fix the contradiction	rd SHALL is a keyword for F point, it will. not be disabled when loopbac ivate the transmitter output"" of it? HALL or specify HOW loopbac n by removing one of the shall sable bit shall deactivate the tr	PICS, and if the fe sk is enabled"" ""A contradicts each c k is implimented. I, e.g. Transmitter	eature can be tested Asserting the transmit other, and they both	Capitalization within a clause o the IEEE Style Guide. SuggestedRemedy 1000BASE-KX Electrical Chara ==> 1000BASE-KX electrical chara Proposed Response Respo Cl 70 SC 70.6 Abbott, John Comment Type E Com In 70.6.1.6 lines 52-53 there is	acteristics cteristics onse Status O P 75 ment Status X a reference to outpu e are defined in the s	L 52 It impedance and standard be includ	# 20 reference impedance ded here?

CI 70 SC 70.6 Page 73 of 135 9/2/2005 2:33:09 PM

<i>Cl</i> 70 <i>SC</i> 70.6.1 David V James	Р 72 JGG	L 39	# 678	CI 70 SC 70.6.1 P 73 L 4 Baumer, Howard Broadcom	# 345	
Comment Type ER DVJ-67 Capitalization within a c the IEEE Style Guide.	Comment Status X	Ild be limited to t	he first word, as per	Comment Type TR Comment Status X There is a potential conflict between text and table wording. SuggestedRemedy	a conflict (text or table	
SuggestedRemedy Transmitter Characteris ==> Transmitter characteris				Do one of the following: Add text stateing which prevails if there is a conflict wording) or have the text reference the table or label the table as informativ <i>Proposed Response</i> Response Status O		
Proposed Response	Response Status O			CI 70 SC 70.6.1.1 P 74 L 14 David V James JGG	# 684	
Cl 70 SC 70.6.1 Spagna, Fulvio Comment Type TR	P 73 INTEL Comment Status X	L 15	# 171	Comment Type ER Comment Status X DVJ-73 English words should not be capitalized simply because their meaning is dir normal English usage.	fferent from	
uggestedRemedy (1) Change Transition T	X4 and KR, add RJ entry to C Time (min) from 60 pS to 24 Time limits in 70.6.1.7 (lines 3	pS in Table 70-5		SuggestedRemedy Under Test ==> under test Proposed Response Response Status O		
Proposed Response	Response Status O	o and +o, page i	,	CI 70 SC 70.6.1.1 P 74 L 18 David V James JGG	# 681	
7 0 <i>SC</i> 70.6.1 pagna, Fulvio	P 73 INTEL	L 18	# 173	Comment Type ER Comment Status X DVJ-70 English words should not be capitalized simply because their meaning is directly because the because	fferent from	
Comment Type ER For consistency with K3 SuggestedRemedy Add new entry in Outpu	Comment Status X X4 and KR, add RJ entry to C ut Jitter Box:	Dutput Jitter spec	cification.	normal English usage. SuggestedRemedy Oscilloscope ==> oscilloscope		
Random Jitter 0.15 U Proposed Response	Jlpp Response Status O			Proposed Response Response Status O		

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Cl 70
SC 70.6.1.1
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David V James	Р 74 JGG	L 19	# 682	<i>Cl</i> 70 <i>SC</i> 70.6 David V James	.1.1	Р 74 JGG	L 7	# 683
Comment Type ER DVJ-71 English words should normal English usage.	Comment Status X not be capitalized simply bec	ause their meanir	ng is different from	Comment Type El DVJ-72 English words sho normal English us	ould not be capit	ent Status X alized simply beca	ause their meani	ing is different from
SuggestedRemedy Processing ==> processing				SuggestedRemedy Fixture ==> fixture				
Proposed Response	Response Status O			Proposed Response	Respons	se Status O		
<i>Cl</i> 70 <i>SC</i> 70.6.1.1 David V James	<i>Р</i> 74 JGG	L 20	# 680	<i>Cl</i> 70 <i>SC</i> 70.6 Baumer, Howard	.1.4	P 74 Broadcom	L 43	# 346
normal English usage.	Comment Status X not be capitalized simply bec	ause their meanir	ng is different from	Comment Type TF There is no differe eye diagram mas SuggestedRemedy	ential output tem	ent Status X plate referenced h	here. The refere	nces are to the transm
Data Acquisition Modu	ıle			Relabel section "I instead of templa				to say eye mask
,				Relabel section "[e. Change infle			to say eye mask
Data Acquisition Modu ==> data acquisition modu Proposed Response	le Response Status O	/ 32	# 670	Relabel section "I instead of templat	e. Change inflec Respons	ction points to mas		to say eye mask # [<u>551</u>
Data Acquisition Modu ==> data acquisition modu Proposed Response Cl 70 SC 70.6.1.1 David V James	le	L 32	# 679	Relabel section "I instead of templat Proposed Response Cl 70 SC 70.6 Grow, Robert Comment Type E Blue font on some	e. Change inflec <i>Respons</i> .1.4 <i>Comme</i> e cross reference	P75 Intel ent Status X es but not all. (Als	sk points. <i>L</i> 46 so p.71, l.38; p.7	
Data Acquisition Modu ==> data acquisition modu Proposed Response C/ 70 SC 70.6.1.1 David V James Comment Type ER DVJ-68 Capitalization within a the IEEE Style Guide.	le <i>Response Status</i> O <i>P</i> 74 JGG			Relabel section "I instead of templat Proposed Response Cl 70 SC 70.6 Grow, Robert Comment Type E Blue font on some 41; p.77, l. 29; p.8 p.96, l.5; p. 102, l SuggestedRemedy Some definition p	e. Change inflec <i>Respons</i> .1.4 <i>Comme</i> e cross reference 2, I.34; p.83, 10 23; p.103, I.10;	P75 Intel ent Status X es but not all. (Als ; p.85, I.43; p.91, p.105, I.32; etc.)	<i>L</i> 46 <i>L</i> 46 so p.71, l.38; p.7 l.42; p.93, l.25; p	# <u>551</u> 5, l.31; p.76, l.39 and
Data Acquisition Modu ==> data acquisition modu Proposed Response C/ 70 SC 70.6.1.1 David V James Comment Type ER DVJ-68 Capitalization within a the IEEE Style Guide.	le <i>Response Status</i> O <i>P</i> 74 JGG <i>Comment Status</i> X clause or subclause title sho			Relabel section "I instead of templat Proposed Response Cl 70 SC 70.6 Grow, Robert Comment Type E Blue font on some 41; p.77, l. 29; p.8 p.96, l.5; p. 102, l SuggestedRemedy	e. Change inflec <i>Respons</i> .1.4 <i>Comme</i> e cross reference 2, I.34; p.83, 10 23; p.103, I.10; roblem for interr	P75 Intel ent Status X es but not all. (Als ; p.85, I.43; p.91, p.105, I.32; etc.)	<i>L</i> 46 <i>L</i> 46 so p.71, l.38; p.7 l.42; p.93, l.25; p	# 551 5, I.31; p.76, I.39 and 0.95, I.5, 7, 20, 22;
==> data acquisition modu Proposed Response Cl 70 SC 70.6.1.1 David V James Comment Type ER DVJ-68 Capitalization within a the IEEE Style Guide. SuggestedRemedy Transmit Test Fixture	le Response Status O P74 JGG Comment Status X clause or subclause title sho for 1000BASE-KX			Relabel section "I instead of templat Proposed Response CI 70 SC 70.6 Grow, Robert Comment Type E Blue font on some 41; p.77, I. 29; p.8 p.96, I.5; p. 102, I SuggestedRemedy Some definition p characteristics?	e. Change inflec <i>Respons</i> .1.4 <i>Comme</i> e cross reference 2, I.34; p.83, 10 23; p.103, I.10; roblem for interr	P75 Intel ent Status X es but not all. (Als ; p.85, I.43; p.91, p.105, I.32; etc.)	<i>L</i> 46 <i>L</i> 46 so p.71, l.38; p.7 l.42; p.93, l.25; p	# 551 5, I.31; p.76, I.39 and 0.95, I.5, 7, 20, 22;

C/ 70 SC 70.6.1.4

Cl 70 SC 70.6.1.5 Grow, Robert	P 75 Intel	L 35	# 552	Cl 70 SC 70.6.1.7 Powell, Scott	7 P 76 Broadcom	L 38	# 267	
Comment Type E Vcom should be com	Comment Status X in subscript.				Comment Status X sition time specified. Extremely These slow edges can cause u			
SuggestedRemedy				interoperability proble				
Fix here and in Figure will turn all six occurar	70-2, as well as similar occurations	ances in Clauses	s 71 and 72 (a search	SuggestedRemedy		n time spec.		
Proposed Response	Response Status O			Add a maximum trans	sition time spec.			
Toposeu Hesponse				Proposed Response	Response Status O			
Cl 70 SC 70.6.1.7	P 76	L 36	# 347					
Baumer, Howard Comment Type TR	Broadcom Comment Status X			<i>Cl</i> 70 <i>SC</i> 70.6.1.8 Alping, Arne	B P 76	L 46	# 73	
interoperability probler SuggestedRemedy	ow edges can cause undue ISI ms. ansition time with limits as det <i>Response Status</i> O			Too many periods SuggestedRemedy Remove one of the p Proposed Response	eriods after "" 0.10 UI peak-t <i>Response Status</i> O	o-peak""		
Cl 70 SC 70.6.1.7	P76	L 37	# 685	C/ 70 SC 70.6.2 Dudek, Mike	P 77 Picolight	L 22	# 242	
David V James Comment Type ER DVJ-74 Capitalization within a the IEEE Style Guide.	JGG Comment Status X clause or subclause title shou	ld be limited to t	he first word, as per		Comment Status X n input amplitude for the Rx in a normative minimum input. S			
SuggestedRemedy				If there is a problem h	here, fix it.			
Transition Time ==> Transition time				Proposed Response	Response Status O			

Cl 70 SC 70.6.2

<i>Cl</i> 70 <i>SC</i> 70.6.2 Baumer, Howard	P 77 Broadcom	L 9	# 348	<i>Cl</i> 70 <i>SC</i> 70.6 . Baumer, Howard	2.6 P78 Broadcom	L 27	# 350
	Comment Status X nflict between text and table w	ording.			Comment Status X eturn loss specifications forces c eliminates a purely differentially		
	g: Add text stateing which prev ext reference the table or label <i>Response Status</i> O				is already limited by EMI specific		
Cl 70 SC 70.6.2.1 Baumer, Howard	P 77 Broadcom	L 25	# 349	<i>Cl</i> 70 <i>SC</i> 70.7 David V James	<i>Р 78</i> ЈGG	L 34	# [723
it making it an "Informa SuggestedRemedy	Comment Status X lete as it references Annex 69 ative" Annex. ' statements to Annex 69A and Response Status O			Comment Type ER DVJ-76 Capitalization withi the IEEE Style Gui SuggestedRemedy Interconnect Chara ==> Interconnect chara	n a clause or subclause title sho de. acteristics	uld be limited to	the first word, as per
<i>Cl</i> 70 <i>SC</i> 70.6.2.1 John, D'Ambrosia	P 77	L 42	# 143	Proposed Response	Response Status O		
values for f1 and f2 do intent for the values lis <i>SuggestedRemedy</i> In Table 70-8	Comment Status X oss is based on the values of A not reflect values listed in Tab ted in Table 70-8 to match Ta ote 1 with value for minISIloss	ble 69-2. It is be ble 69-2.	lieved that it is the	Cl 70 SC 70.8 David V James Comment Type ER DVJ-75 Capitalization withi the IEEE Style Gui SuggestedRemedy Environmental Spe	n a clause or subclause title sho de.	L 39	# <u>686</u>

CI 70 SC 70.8

C/ 70 SC 70.8.5 David V James	<i>Р</i> 79 JGG	L 15	# 724	Cl 70 SC Figure 70-1 P 70 L 40 # 553 Grow, Robert Intel
Comment Type ER DVJ-77 Capitalization within a c the IEEE Style Guide.	Comment Status X	ld be limited to t	he first word, as per	Comment TypeEComment StatusXSomething doesn't render right with this figure that is also repeated in Clauses 71 and 72.SuggestedRemedy
==>	n Conformance Statement n conformance statement			If scanned, redraw in FrameMaker, else figure out why it is tinted with red and fuzzy. Fix i all three clauses. Proposed Response Response Status O
Proposed Response	Response Status O			Cl 70 SC Figure 70-1 P 70 L 51 # 563 Grow, Robert Intel
C/ 70 SC 70.9 Booth, Brad	P 79 Intel	L 14	# 589	Comment Type ER Comment Status X What is labled as the backplane is more than the backplane.
Comment Type E PICS should start at the SuggestedRemedy As per comment.	Comment Status X e top of a new page.			SuggestedRemedy Either change to Backplane Channel as in Figure 69-2, or add additional arrows to define what is backplane and what is blade. Make corresponding changes in Clauses 71 and 72 Proposed Response Response Status O
Proposed Response	Response Status O			C/ 70 SC Figure 70-2 P 74 L 25 # 550
C/ 70 SC 70.9.1 ohn, D'Ambrosia	P 79	L 23	# 142	Grow, Robert Intel Comment Type E Comment Status X The subscription and ""Test First war" label describes and anything to the first set
Comment Type ER use of 10GBASE-KX4	Comment Status X			The outer partial box and ""Test Fixture"" label doesn't seem to add anything to the figure, nor does the ""or Equivalent"" and associated arrows. SuggestedRemedy
SuggestedRemedy replace with 1000BASE	-КХ			Remove. Make consistent changes in Figures 72-6 and 71-2. <i>Proposed Response Response Status</i> O
Proposed Response	Response Status O			

Cl **70** SC Figure 70-2

70 SC Table 70-4 P 71 L 33 # 568 row, Robert Intel	C/ 71 SC 71.3 P 85 L 42 # 727 David V James JGG JGG
This is difficult to read (the comma) and even more difficult to understand what the Receive Condition is.	Comment Type ER Comment Status X DVJ-80 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.
Write as either a consistent logical or math expression, not the current hybrid.roposed ResponseResponse StatusO	SuggestedRemedy Delay Constraints ==> Delay constraints Proposed Response Response Status O
71 SC 71. P 85 L 2 # 725 avid V James JGG	
DVJ-78 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.	CI 71SC 71.3P 85L 50# 22Muller, Shimon MullerSun Microsystems, IncComment TypeEComment StatusX
<i>uggestedRemedy</i> Physical Medium Dependent Sublayer and Baseband Medium, ==> Physical medium dependent sublayer and baseband medium, <i>roposed Response</i> Response Status O	See below SuggestedRemedy Replace "pause_quantum" with "pause_quanta". Proposed Response Response Status O
71 SC 71.2 P 85 L 33 # 726	C/ 71 SC 71.5 P 86 L 36 # 728 David V James JGG
avid V James JGG <i>omment Type</i> ER <i>Comment Status</i> X DVJ-79 Capitalization within a clause or subclause title should be limited to the first word, as per	Comment Type ER Comment Status X DVJ-81 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.
the IEEE Style Guide. uggestedRemedy Physical Medium Dependent (PMD) Service Interface ==>	SuggestedRemedy PMD Functional Specifications ==> PMD functional specifications
Physical medium dependent (PMD) service interface roposed Response Response Status O	Proposed Response Response Status O

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Cl 71
SC 71.5
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<i>Cl</i> 71 <i>SC</i> 71.5.1 David V James	<i>P</i> 86 JGG	L 42	# 729	Cl 71 SC 71.5.2 David V James	Р 87 JGG	L 19	# 730
Comment Type ER DVJ-82 Capitalization within a the IEEE Style Guide.	Comment Status X	uld be limited to t	he first word, as per	Comment Type ER DVJ-83 Capitalization within the IEEE Style Guide	Comment Status X a clause or subclause title sho	buld be limited to) the first word, as per
SuggestedRemedy Link Block Diagram ==> Link block diagram				SuggestedRemedy PMD Transmit Funct ==> PMD transmit function			
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 71 SC 71.5.1 Nping, Arne	P 87	L1	# [74	<i>Cl</i> 71 <i>SC</i> 71.5.2 Grow, Robert	P 87 Intel	L 28	# 564
Comment Type E Figure 71-1 looks fuzzy	<i>Comment Status</i> X y, probably due to use of jpg	format rather tha	n gif	Comment Type ER Not really an equatio	Comment Status X n so it shouldn't use =.		1/ <n> to tx_bit<1>,</n>
SuggestedRemedy Use gif format for Figur					ere SL0/ <n> corresponds t t<2>, and SL3/<n>) = tx_b</n></n>		
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 71 SC 71.5.1 David V James	Р 87 JGG	L 17	# [733	<i>C</i> / 71 <i>SC</i> 71.5.3 David V James	Р 87 JGG	L 31	# 7 <u>31</u>
Comment Type ER DVJ-86 English words should r normal English usage.	Comment Status X	ause their meani	ng is different from		Comment Status X	ould be limited to	
SuggestedRemedy Block Diagram ==> block diagram				the IEEE Style Guide SuggestedRemedy PMD Receive Functi ==>			
Proposed Response	Response Status O			PMD receive function Proposed Response	n Response Status O		

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<i>Cl</i> 71 <i>SC</i> 71.5.4 David V James	Р 87 JGG	L 43	# 732	<i>Cl</i> 71 <i>SC</i> 71.5. 4 Baumer, Howard	P 87 Broadcom	L 52	# <u>3</u> 51	
Comment Type ER	Comment Status X			Comment Type T	Comment Status X			
DVJ-85	clause or subclause title shou	Ild be limited to t	he first word, as per	at least 7UI" is not o discontinuous UI	clearly defined. Does it mean co	ntinuous UI or a	ny 7 continuous or	
SuggestedRemedy Global PMD Signal De					means 7 continuous UI or any 7	' continuous or d	liscontinuous UI	
==> Global PMD signal de				Proposed Response	Response Status O			
Proposed Response	Response Status O			<i>Cl</i> 71 <i>SC</i> 71.5. 4 Grow, Robert	P 87 Intel	L 52	# 566	
C/ 71 SC 71.5.4 Grow, Robert	P 87 Intel	L 45	# 565	Comment Type ER Redundancy or bad	Comment Status X placement of parenthetical.			
Comment Type ER Case error.	Comment Status X			SuggestedRemedy in any 20 UI wind	low. Same change next page li	ne 2.		
SuggestedRemedy Change PMD_signal.i	ndicate to PMD_SIGNAL.indic	cation.		Proposed Response	Response Status O			
Proposed Response	Response Status O			<i>Cl</i> 71 <i>SC</i> 71.5. 4 Baumer, Howard	P 88 Broadcom	L 1	# 352	
C/ 71 SC 71.5.4	P 87	L 51	# 526	Comment Type T	Comment Status X			
Dawe, Piers	Agilent			at least 7UI" is not	clearly defined. Does it mean co	ntinuous UI or a	ny 7 continuous or	
Comment Type T	Comment Status X			discontinuous UI				
	ed to 'OK' if taken literally: 'with Itage on each of the four lanes			SuggestedRemedy State whether 7 III	means 7 continuous UI or any 7	' continuous or d	liscontinuous I II	
	UI interval (unit us (>10^5 UI) we have just 7 i	n a row that exce	eed the threshold, we	Proposed Response	Response Status O			
interval). So if in 100	f there's bad electrical noise the want.							
interval). So if in 100 should set SD=OK? I the opposite of what w								
interval). So if in 100 should set SD=OK? I	ve want.							

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<i>Cl</i> 71 <i>SC</i> 71.5 Healey, Adam	.4 P 88	L 15	# 95	Cl 71 SC 71.6.1 Alping, Arne	P 90	L 24	# <u>7</u> 7
seem to be copied environments?	Comment Status X ""SIGNAL_DETECT = OK"" and from 10GBASE-CX4. Are thes			Comment Type E The unit for jitter para SuggestedRemedy Change unit for jitter	Comment Status X ameters should be Ulp-p (not ju parameters to Ulp-p	ust UI)	
backplane environ and crosstalk, ""O	eeds to confirm that the signal do ment (for example, the ""FAIL"" K"" is below the signal level at th	level is above the	level of ambient noise	Proposed Response	Response Status O		
channel). Proposed Response	Response Status O			<i>Cl</i> 71 <i>SC</i> 71.6.1 Spagna, Fulvio	Р 90 INTEL	L 25	# 172
71 SC 71.5		L 35	# 355	Comment Type TR	<i>Comment Status</i> X Use same approach in this ca	ise.	
aumer, Howard	Broadcom			SuggestedRemedy			
Comment Type T There is no need t signal detect.	Comment Status X to not allow lane by lane signal d	letect just because	e there is no global	Change Random Jitt Proposed Response	er limit from 0.27Ulpp to 0.28 U Response Status O	JIpp.	
SuggestedRemedy Make this optional	l if global is not present.			<i>Cl</i> 71 <i>SC</i> 71.6.1 Alping, Arne	P 90	L 26	# 76
roposed Response	Response Status O			Comment Type E	Comment Status X		
C/ 71 SC 71.6	.1 <i>P</i> 90	L 14	# 75	To be compliant with ""At BER 10-12"" SuggestedRemedy	Table 70-5 I suggest including	foot note for To	tal jitter in Table 71-5:
ping, Arne	Comment Status X				Total jitter in Table 71-5: ""At B	BER 10-12""	
			Figure 71.2 for an	Proposed Response	Response Status O		
Comment Type E To be compliant w	vith Table 70-5 I sggest including	,	0				
Comment Type E To be compliant w illustration of the c	vith Table 70-5 I sggest including	,	0				
Comment Type E To be compliant w illustration of the c SuggestedRemedy	vith Table 70-5 I sggest including lefinition of differential peak-to-p ""See Figure 71-3 for an illustrat	eak output voltage	,"" "				

Cl 71 SC 71.6.1

<i>Cl</i> 71 <i>SC</i> 71.6.1 Baumer, Howard	P 90 Broadcom	L 8	# 356	<i>Cl</i> 71 <i>SC</i> 71.6.1. 1 David V James	l P 91 JGG	L 14	# 737
Comment Type TR There is a potential cor SuggestedRemedy	Comment Status X nflict between text and table v	vording.			Comment Status X	cause their meani	ng is different from
Do one of the following	e: Add text stateing which pre- ext reference the table or labe <i>Response Status</i> O			normal English usage SuggestedRemedy Under Test ==> under test	3.		
71 SC 71.6.1 awe, Piers	P 90 Agilent	L 8	# 542	Proposed Response	Response Status O		
<i>Comment Type</i> E This table shows up in	Comment Status X the pdf bookmarks as if it we	re a subclause	heading	<i>Cl</i> 71 <i>SC</i> 71.6.1 .1 David V James	I P 91 JGG	L 17	# 735
SuggestedRemedy fix Proposed Response	Response Status O			Comment Type ER DVJ-88 English words should normal English usage	Comment Status X I not be capitalized simply be e.	cause their meani	ng is different from
71 SC 71.6.1.1 awe, Piers	P 90 Agilent	L 8	# 543	SuggestedRemedy Oscilloscope ==> oscilloscope			
<i>Comment Type</i> E Too many capitals in fig	Comment Status X gure 71-2. Can use proper o	mega symbol.		Proposed Response	Response Status O		
SuggestedRemedy per comment Proposed Response	Response Status O			Cl 71 SC 71.6.1.1 David V James Comment Type ER DVJ-89	JGG Comment Status X	<i>L</i> 19	# 736
				English words should normal English usage SuggestedRemedy Processing ==> processing	l not be capitalized simply be e.	cause their meani	ng is different from
				Proposed Response	Response Status 0		

C/ 71 SC 71.6.1.1

Independent Proposed Presponse Values Of Values	# 78		L 38	P 91	SC 71.6.1.3	<i>Cl</i> 71 Alping, Arr	# 734	L 20	Р 91 JGG	SC 71.6.1.1 nes	<i>Cl</i> 71 David V Jai
Suggested/nemely or Data Acquisition Module ==> or data acquisition Module Proposed Response Response Status 0 Cl 71 SC 71.6.1.1 P91 L7 # [738] David V James JGG Comment Type ER Comment Status X DVJ-91 English words should not be capitalized simply because their meaning is different from normal English usage. Suggested/Remedy Fixture Fixture Froposed Response Response Status 0 Cl 71 SC 71.6.1.3 P91 L37 # [554] Comment Type ER Comment Status X DVJ-92 Eresponse Status 0 Cl 71 SC 71.6.1.6 P94 L35 Cl 71 SC 71.6.1.3 P91 L37 # [554] Comment Type ER Comment Status X DVJ-92 English words should not be capitalized simply because their meaning is different from normal English usage. JGG Cl 71 SC 71.6.1.6 P94 L35 D D Grow, Robert Intel				gn	e +- to the (+-) sig Remedy	Chang Suggested	ing is different from	ause their meani		words should ne	DVJ-87 English
area acquisition module Proposed Response Response Status O Cl 71 SC 71.6.1.1 P91 L7 # 738 David V James JGG JGG Comment Type ER Comment Status X DVJ-93 English words should not be capitalized simply because their meaning is different from normal English usage. SuggestedRemedy English words should not be capitalized simply because their meaning is different from normal English usage. SuggestedRemedy English words should not be capitalized simply because their meaning is different from normal English usage. Cl 71 SC 71.6.1.6 P94 L35 SuggestedRemedy English words should not be capitalized simply because their meaning is different from normal English usage. SuggestedRemedy Limit => fixture Proposed Response Response Status O Cl 71 SC 71.6.1.6 P94 L35 Cl 71 SC 71.6.1.3 P91 L 37 # 554 DVJ-92 English words should not be capitalized simply because their meaning is different from normal English usage. Cl 71 SC 71.6.1.3 P91 L 37 # 554 DVJ-92 English words should not be capitalized simply because their meaning is different from normal English usage.<					e +- to the (+-) sig	Chang				Remedy	Suggested
Proposed Response Response Status O Cl 71 SC 71.6.1.6 P94 L35 Cl 71 SC 71.6.1.1 P91 L7 # 738 David V James JGG Comment Type ER Comment Status X DVJ-91 English words should not be capitalized simply because their meaning is different from normal English usage. SuggestedRemedy Fixture Fixture SuggestedRemedy Limit Fixture Forposed Response Response Status O Cl 71 SC 71.6.1.6 P94 L35 DVJ-93 English words should not be capitalized simply because their meaning is different from normal English usage. SuggestedRemedy Fixture Fixture Cl 71 SC 71.6.1.6 P94 L35 English words should not be capitalized simply because their meaning is different from normal English usage. SuggestedRemedy Limit SuggestedRemedy Fixture Cl 71 SC 71.6.1.6 P94 L35 Grow, Robert Intel Comment Type ER Comment Status X DVJ-92 English words should not be capitalized simply because				Response Status O	Response	Proposed					==>
Cl 71 SC 71.6.1.1 P91 L7 # 738 David V James JGG Comment Type ER Comment Status X DVJ-91 English words should not be capitalized simply because their meaning is different from normal English usage. SuggestedRemedy SuggestedRemedy Fixture ==> fixture ==> fixture Cl 71 SC 71.6.1.3 P91 L 37 # 554 Cl 71 SC 71.6.1.3 P91 L 37 # 554 Comment Type ER Comment Status X Cl 71 SC 71.6.1.3 P91 L 37 # 554 DVJ-92 English words should not be capitalized simply because their meaning is different from normal English usage. Cl 71 SC 71.6.1.3 P91 L 37 # 554 DVJ-92 Grow, Robert Intel Intel Comment Type ER Comment Status X DVJ-92 English words should not be capitalized simply because their meaning is different in the in th	# 740		L 35	-						·	
DVJ-91 English words should not be capitalized simply because their meaning is different from normal English usage. SuggestedRemedy SuggestedRemedy Fixture ==> fixture Froposed Response Response Status O Cl 71 SC 71.6.1.3 P91 L 37 # 554 Crow, Robert Intel Intel Comment Type E Comment Status X Comment Type E Comment Status X Intel Intel Intel	ferent from	aning is	ause their me		3 n words should no	DVJ-9 Englis	# 738	L 7	JGG	nes	David V Jai
SuggestedRemedy Fixture ==> fixture Proposed Response Response Status O					Remedy	Limit ==>	ing is different from	ause their mean		words should ne	DVJ-91 English
Proposed Response Response Status O Cl 71 SC 71.6.1.6 P 94 L 35 Cl 71 SC 71.6.1.3 P 91 L 37 # 554 David V James JGG Cl 71 SC 71.6.1.3 P 91 L 37 # 554 DVJ-92 English words should not be capitalized simply because their meaning is difficult normal English usage. Comment Type E Comment Status X DVJ-92 English words should not be capitalized simply because their meaning is difficult normal English usage. DVJ-92 English usage.				Response Status O	Response	-				Remedy	Fixture ==>
Cl 71 SC 71.6.1.3 P 91 L 37 # 554 DVJ-92 Grow, Robert Intel Intel DVJ-92 English words should not be capitalized simply because their meaning is difficult in ormal English usage. Comment Type E Comment Status X Comment Status X Comment Status X	# <u>7</u> 39		L 35			-			Response Status O	esponse	
	iferent from	aning is	ause their me		2 n words should no	DVJ-9 Englis	# 554	L 37	Intel	rt	Grow, Robe
					e e	Suggested			Comment Status X		
SuggestedRemedy Limit Replace +- with the symbol font single character +/ also replace +/- on p. 96, l. 25. Limit						==>	/- on p. 96, l. 25.	also replace +	nbol font single character +,		00
Proposed Response Response Status O Proposed Response Response Status O				Response Status O	Response	Proposed			Response Status 0	esponse	Proposed I

Cl 71 SC 71.6.1.6

Cl 71 SC 71.6.1.9 Dudek, Mike	P 95 Picolight	L 19	# 235	<i>Cl</i> 71 <i>SC</i> 71.6.2. Diab, Wael	l P 96 Cisco	L 12	# 612
Comment Type E Incorrect reference.	Comment Status X			<i>Comment Type</i> TR Was the BER here s KX4 interface?	Comment Status X et to match the 1G or can we c	do better than 10	e-12 on the 10GBASE
SuggestedRemedy Change Figure 71-4 to	Figure 71-5			SuggestedRemedy			
Proposed Response	Response Status O			Proposed Response	rements to 10e-15 or better Response Status O		
C/ 71 SC 71.6.2 Baumer, Howard	P 95 Broadcom	L 3 1	# 358	<i>Cl</i> 71 <i>SC</i> 71.6.2. John, D'Ambrosia	1 <i>P</i> 96	L 8	# 144
Comment Type TR There is a potential co SuggestedRemedy	Comment Status X nflict between text and table v	vording.		Comment Type ER In Table 71-8, minIS	Comment Status X loss is based on the values of	Amax(f) at f1, f2	
Do one of the following	g: Add text stateing which pre- ext reference the table or labe				reflect value listed in Table 69 able 71-8 to match Table 69-2		that it is the intent for
Proposed Response	Response Status O P 96 Broadcom	<i>L</i> 1	# 359	SuggestedRemedy In Table 71-8 replace reference to delete note 1 Change f1 to 0.312 0	note 1 with value for minISIlos	s 13.0132 dB	
	Comment Status X	A that has ZER	O "shall" statements in	Proposed Response	Response Status O		
it making it an "Informa SuggestedRemedy Add appropriate "shall Proposed Response	ative" Annex. " statements to Annex 69A ar <i>Response Status</i> O	id label it as Nor	mative.	terminations. This e	Broadcom Comment Status X urn loss specifications forces of iminates a purely differentially already limited by EMI specific	terminated imple	ementation. Common
				Proposed Response	Response Status O		

Cl 71 SC 71.6.2.6

C/ 71 SC 71.8.5 David V James	<i>Р</i> 97 JGG	L 43	# 741	C/ 71 SC Table 71-4 Baumer, Howard	P 88 Broadcom	L 20	# 354
Comment Type ER DVJ-94 Capitalization within a the IEEE Style Guide.	Comment Status X	Ild be limited to t	he first word, as per	Comment Type T Comment Conflict between table and text. Text SuggestedRemedy		says 75	
SuggestedRemedy Protocol Implementati ==>	ion Conformance Statement			Pick one and make both the same. Proposed Response Response S	Status O		
Protocol implementati Proposed Response	ion conformance statement Response Status O			Cl 71 SC Table 71-5 Baumer, Howard	P 90 Broadcom	L 18	# 357
Cl 71 SC 71.9 Booth, Brad Comment Type E PICS should start at th SuggestedRemedy	P 97 Intel <i>Comment Status</i> X he top of a new page.	L 42	# <u>590</u>	Comment TypeTCommentThis is output return loss not input reSuggestedRemedy Change to outputProposed ResponseResponse S	turn loss		
As per comment. Proposed Response	Response Status O			CI 72 SC 72 Andre, Szczepanek	P 105	L 1	# 120
SuggestedRemedy	Broadcom <i>Comment Status</i> X e and text. Text says 7UI table	L 16 says 1UI	# <u>3</u> 53	Comment Type TR Comment There is a general expectation that 1 Equalizers (DFEs). DFEs have an im explained in szczepanek_01_0705 th 10GBASE-R PCS self-synchronous s MTTFPA (Mean Time To False Pack Similar problems in 10GBASE-T and protection to frames.	0GBASE-KR re pplicit capability ne error propag scrambler have tet Acceptance	v to cause error p ation capabilities a negative impa) criteria.	ropagation. As of DFEs and the act on the Ethernet
Pick one and make bo	oth the same. <i>Response Status</i> O			SuggestedRemedy Follow the precedent set by 10GBAS to frames. This will require creation of a modifie 10GBASE-KR. I have included a document (10Gbas changes I think necessary to clause Proposed Response Response S	d 10GBASE-R seKR-changes. 49 to create the	PCS (new claus pdf) with this bal	e) for use with

SC 72

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C/ 72 SC 72. David V James	<i>P</i> 105 JGG	L 2	# 742	<i>Cl</i> 72 <i>SC</i> 72.3 David V James	<i>P</i> 105 JGG	L 41	# 744
Comment Type ER DVJ-95 Capitalization within a the IEEE Style Guide.	Comment Status X	uld be limited to	the first word, as per	Comment Type ER DVJ-97 Capitalization withir the IEEE Style Guid	Comment Status X a a clause or subclause title sho de.	uld be limited to	the first word, as per
==>	endent Sublayer and Basebar endent sublayer and baseban <i>Response Status</i> O	-		SuggestedRemedy Delay Constraints ==> Delay constraints Proposed Response	Response Status O		
CI 72 SC 72.10.2.3 Marris, Arthur Comment Type E	Comment Status X	L 11	# 34	Cl 72 SC 72.3 Muller, Shimon Muller Comment Type E	P 105 Sun Microsys Comment Status X	L 49 stems, Inc	# 23
Change ""An new"" to SuggestedRemedy Change ""An new"" to Proposed Response				See below SuggestedRemedy Replace "pause_qu Proposed Response	antum" with "pause_quanta". <i>Response Status</i> O		
C/ 72 SC 72.2 David V James	<i>P</i> 105 JGG	L 31	# 743	<i>Cl</i> 72 <i>SC</i> 72.5 Thaler, Pat	P 106 Agilent Tech	L 32 nologies	# 448
Comment Type ER DVJ-96 Capitalization within a the IEEE Style Guide. SuggestedRemedy	Comment Status X	uld be limited to	the first word, as per	various MDIO bits li SuggestedRemedy	Comment Status X ave a table describing the condi ike table 71-2 MDIO information is consistent.		or are controlled by
==>	endent (PMD) Service Interfac			Proposed Response	Response Status O		
Proposed Response	Response Status O						

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$C172$ SC 72.5P 106L 33# [745]David V JamesJGGJGGComment TypeERComment Status XCaptalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.JGGSuggestedPlamedyPMD Functional Specifications m^{-2} PMD Functional Specifications m^{-2} P106L 35 m^{-2} P106L 35 m^{-2} P100L 11 m^{-2} P100L 11 m^{-2} P107 m^{-2} P107 m^{-2} P107 m^{-2} P107 m^{-2} P107 m^{-2} P109 m^{-2} P109 m^{-2} m^{-2} P107 m^{-2} <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>									
DVJ-97 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide. DVJ-107 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide. SuggestedRemedy PMD Functional specifications PMD Control Function PMD Control Function SuggestedRemedy PMD Control Function C/ 72 SC 72.5.1 P 106 L 35 # [746 C/ 72 SC 72.5.1 P 106 L 35 # [746 C/ 72 SC 72.5.1 P 106 L 35 # [746 DVJ-90 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide. C 72 SC 72.5.10.2 P 109 L 11 # [13] Andre, Szczepanek Comment Type E Comment Status X Typo: "The control channel signaled using" SuggestedRemedy change to : "The control channel is signaled using" SuggestedRemedy change to : "The control channel is signaled using" C/ 72 SC 72.5.1 P 107 L 1 # [79 SuggestedRemedy Link block diagram Comment Type E Comment Status X Figure 72-1 P 107 L 1 # [79 Vange Z SuggestedRemedy Change T2 P 109 L 1 # [33]			L 33	# 745	-			L 48	# <u>7</u> 54
PMD Functional Specifications PMD Control Function PMD functional specifications PMD Control Function Proposed Response Response Status O Cl 72 SC 72.5.1 P 106 L 35 # 746 Comment Type ER Comment Status X DVJ-99 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide. Comment Type E Comment Status X SuggestedRemedy Link Block Diagram "The control channel is signaled using" SuggestedRemedy Cl 72 SC 72.5.1 P 107 L 1 # 79 Cl 72 SC 72.5.1 P 107 L 1 # 79 Cl 72 SC 72.5.1 P 107 L 1 # 79 Cl 72 SC 72.5.1 P 107 L 1 # 79 Cl 72 SC 72.5.10.2 P 109 L 11 # 33 Cl 72 SC 72.5.10.2 P 109 L 11 # 33 Cl 72 SC 72.5.10.2 P 109 L 11 # 33 Marris, Arthur Comment Type E Comment Status X Marris, Ar	DVJ-98 Capitalization within a	clause or subclause title sho	uld be limited to t	he first word, as per	DVJ-1 Capita	07 Ilization within a c		ould be limited to	the first word, as pe
Proposed Response Response Status O C1 72 SC 72.5.1 P 106 L 35 # [746] David V James JGG Comment Type ER Comment Status X DV-J-99 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide. SuggestedRemedy Comment Type E Comment Status X SuggestedRemedy Link Block Diagram "The control channel signaled using" "The control channel signaled using" Proposed Response Response Status O CI 72 SC 72.5.10.2 P 109 L 11 # [13] Comment Type E Comment Type I P 109 L 11 # [33] Cl 72 SC 72.5.10.2 P 109 L 11 # [33] Maris, Arthur Comment Type I	SuggestedRemedy PMD Functional Speci ==>	ifications			Suggested PMD (==>	IRemedy Control Function			
David V James JGG Comment Type ER Comment Status X DVJ-99 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide. SuggestedRemedy Link Block Diagram Eins Did to the first word, as per think Block diagram Proposed Response Response Status Of 72 SC 72.5.1 Plotor L1 Alping, Arne Comment Type Comment Type E							Response Status O		
DVJ.99 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide. SuggestedRemedy Link Block Diagram ==> Link block diagram Proposed Response Response Status O Cl 72 SC 72.5.1 P 107 L 1 # 79 Comment Type E Comment Status X Figure 72-1 looks fuzzy, probably due to the use of jpg formatted picture rather than gif SuggestedRemedy Use gif format for Figure 72-1	-		L 35	# 746			P 109	L 11	# 113
SuggestedRemedy	DVJ-99 Capitalization within a	clause or subclause title sho	uld be limited to t	he first word, as per	Typo: ""The	control channel si			
Link block diagram Proposed Response Response Status O Cl 72 SC 72.5.1 P 107 L 1 Tiguing, Arne Comment Type E Comment Status X Figure 72-1 looks fuzzy, probably due to the use of jpg formatted picture rather than gif SuggestedRemedy Use gif format for Figure 72-1	Link Block Diagram				chang ""The	e to : control channel is	•		
Cl 72 SC 72.5.1 P 107 L 1 # 79 Alping, Arne Alping, Arne Comment Type E Comment Status X Figure 72-1 looks fuzzy, probably due to the use of jpg formatted picture rather than gif SuggestedRemedy Change ""channel signaled"" to ""channel is signaled"". SuggestedRemedy Use gif format for Figure 72-1 Figure 72-1 Figure 72-1 Figure 72-1 Figure 72-1	6	Response Status O						/ 11	# 00
Comment Type E Comment Status X Figure 72-1 looks fuzzy, probably due to the use of jpg formatted picture rather than gif SuggestedRemedy SuggestedRemedy Change ""channel signaled"" to ""channel is signaled"". Use gif format for Figure 72-1 Proposed Response Response Status O		P 107	<i>L</i> 1	# 79	Marris, Art Comment	hur <i>Type</i> E			# 33
Use gif format for Figure 72-1 Proposed Response Response Status O	Figure 72-1 looks fuzz		jpg formatted pic	ture rather than gif	Suggested	o IRemedy	led"" to ""channel is signal	ed"".	
Proposed Response Response Status O	,	ure 72-1			Proposed	Response	Response Status O		
	Proposed Response	Response Status O							

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<i>Cl</i> 72 <i>SC</i> 72.5.10.2 Baumer, Howard	P 109 Broadcom	L 12	# 362	Cl 72 SC 72.5.10. David V James	2 <i>P</i> 109 JGG	L 25	# 759
the transition positions	Comment Status X dd up. What is meant by DN occur or the rate at which info			Comment Type ER DVJ-112	Comment Status X	cause their mean	ng is different from
8 10GBASE-KR baud"	ME symbol is two baud, one o to "Since each DME symbol itions is 4 10GBASE-KR bau bauds.	contains 2 DME	transition positions	SuggestedRemedy Marker ==> marker			
Proposed Response	Response Status O			Proposed Response	Response Status O		
<i>Cl</i> 72 <i>SC</i> 72.5.10.2 Dawe, Piers	P 109 Agilent	L 12	# 528	<i>Cl</i> 72 <i>SC</i> 72.5.10. David V James	2 <i>P</i> 109 JGG	L 28	# 758
Comment Type T Don't think this 'two bau SuggestedRemedy Suggest 'Since each Di transmitted every 8 100	ME symbol is made of two pa	arts, one control	channel bit is	Comment Type ER DVJ-111 English words should normal English usage SuggestedRemedy	Comment Status X not be capitalized simply be	cause their meani	ng is different from
Proposed Response	Response Status O			Control Channel ==> control channel			
<i>Cl</i> 72 <i>SC</i> 72.5.10.2 Brink, Robert	<i>P</i> 109 Agere System	L 22 Is	# 263	Proposed Response	Response Status O		
<i>Comment Type</i> TR Training pattern lenght	Comment Status X is incorrect. Should be 512 (Octets.		<i>Cl</i> 72 <i>SC</i> 72.5.10. David V James	2 <i>P</i> 109 JGG	L 31	# 760
SuggestedRemedy Change Figure 72-2 to Proposed Response	have Training pattern length	of 512 Octets		Comment Type ER DVJ-113 English words should normal English usage	Comment Status X	cause their mean	ng is different from
.,				SuggestedRemedy Pattern ==> pattern			

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Cl 72 SC Abler, Joe	72.5.10.2	<i>Р</i> 109 ІВМ	L 3 1	# 306	<i>Cl</i> 72 Dawe, Pie	SC 72.5.10.	2	P 109 Agilent	L 40	# 530	
Comment Type	TR	Comment Status X			Comment	Туре Т	Comment	Status X			
	ern is too sho	rt to efficiently gather suffi	cient statistics to	o calculate coeff	When	transmitting this	s FFFF0000, w	hich end goes fi	rst, the 111s or	the 000s?	
	ing pattern le	ngth in Fig 72-2 to 512 oct	ects. Change li	ne 9 to indicate a total		e specify.	Deserves	Chattara O			
length of 548					Proposea	Response	Response S	Status U			
Proposed Respon	nse l	Response Status O									
					CI 72	SC 72.5.10.	2	<i>P</i> 109	L 7	# 755	
	72.5.10.2	P 109	L 35	# 756	David V J		_	JGG			
David V James		JGG			Comment	,,	Comment	Status X			
Comment Type DVJ-109	ER	Comment Status X					clause or subc	clause title shou	Id be limited to t	the first word, as pe	r
Capitalization the IEEE Styl		use or subclause title shou	ld be limited to t	he first word, as per	Suggeste	dRemedy					
SuggestedRemed						ng Frame Struct	ure				
Training Fran					==> Troini	ng frame structu	ro				
==>						0		Status O			
Training fram					Proposed	Response	Response S				
Proposed Respon	nse l	Response Status O									
					CI 72	SC 72.5.10.	2	P 109	L 9	# 260	
CI 72 SC	72.5.10.2	P 109	L 39	# 529	Brink, Rot	pert		Agere System	S		
Dawe, Piers		Agilent			Comment	Туре Т	Comment	Status X			
Comment Type		Comment Status X nly use of 0x in the whole of	of 802 3ap, apar	t from a table you	4 - Fr	raining pattern s ame Delimiter Control Channel	hould be 548 C	Octets in length.			
copied and sl	houldn't. You	shouldn't burden the read	ler with having to	o know unnecessary		Training Pattern					
		al words, cannot be looked 111,1111 and so on. Just			Suggeste	-					
Editorials at e			say what you me	an in English.		ge text to reflect	the new trainin	ig pattern length			
SuggestedRemed Change to 'pa	,	ecimal FFFF0000 as expre	essed in 10.3125	5 Gbd symbols.'	Proposed	Response	Response S	Status O			
Proposed Respo		Response Status O									
. ,											

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

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CI 72 SC 72.5.10.2							
Baumer, Howard	2.1 <i>P</i> 109 Broadcom	L 37	# 363	<i>Cl</i> 72 <i>SC</i> 72.5.10 Baumer, Howard	.2.3.1 <i>P</i> 110 Broadcom	L 48	# 364
Comment Type E	Comment Status X ause 72 uses the term "Fram	o Marker" where	as the label for this	Comment Type TR	<i>Comment Status</i> X How does one know they can	use these hits?	
section is "Frame Delir		e Marker wherea		1 0	now does one know they can		
SuggestedRemedy				SuggestedRemedy		h	d de de la contra de la contra de
Change section label t	o "Frame Marker"			MP5 or MP6.	e meaning of these bits shall	be communicated	d during auto-neg via
Proposed Response	Response Status O			Proposed Response	Response Status O		
CI 72 SC 72.5.10.2		L 38	# 757	CI 72 SC 72.5.10		L 50	# 451
David V James	JGG			Thaler, Pat	Agilent Tech	nologies	
Comment Type ER	Comment Status X			Comment Type TR	Comment Status X		
	clause or subclause title shou	uld be limited to t	he first word, as per		se of a vendor specific field re e frame or a way to identify th		
the IEEE Style Guide.				SuggestedRemedy			
SuggestedRemedy Frame Delimiter ==>				exchange a unique ic do this would be to p	dor specific field and make th I to ensure both sides suppor ut in a statement that the ven auto-negotiation. 802.3an has	t the same feature dor specific field s	. The simplest way to
Frame delimiter							
	Response Status 0			specific information in Proposed Response			
Proposed Response	,	L 11	# 600	specific information in Proposed Response	n their training. <i>Response Status</i> O .2.3.2 <i>P</i> 110	L 52	
Proposed Response C/ 72 SC 72.5.10.2 Booth, Brad	2.3 <i>P</i> 110	L 11	# 600	specific information in Proposed Response	n their training. <i>Response Status</i> O .2.3.2 <i>P</i> 110 Intel		is for using vendor
Proposed Response Cl 72 SC 72.5.10.2 Booth, Brad Comment Type ER	2.3 P 110 Intel			specific information in Proposed Response Cl 72 SC 72.5.10 Grow, Robert Comment Type E	n their training. <i>Response Status</i> O .2.3.2 <i>P</i> 110		is for using vendor
Proposed Response C/ 72 SC 72.5.10.2 Booth, Brad Comment Type ER Using the sames table discrepancies.	2.3 P 110 Intel Comment Status X			specific information in Proposed Response Cl 72 SC 72.5.10 Grow, Robert Comment Type E	n their training. <i>Response Status</i> O .2.3.2 <i>P</i> 110 Intel <i>Comment Status</i> X		is for using vendor
Proposed Response Cl 72 SC 72.5.10.2 Booth, Brad Comment Type ER Using the sames table discrepancies. SuggestedRemedy	2.3 P 110 Intel Comment Status X	Clause 45 is a wa	ay to create errors and	specific information in Proposed Response CI 72 SC 72.5.10 Grow, Robert Comment Type E If I understand this re	n their training. <i>Response Status</i> O .2.3.2 <i>P</i> 110 Intel <i>Comment Status</i> X ght, ""k"" is a variable.		is for using vendor

Cl 72 SC 72.5.10.2.3.2 Page 91 of 135 9/2/2005 2:33:10 PM

C/ 72 SC 72.5.10.2. Grow, Robert	3.3 P 110 Intel	L 52	# 557	<i>Cl</i> 72 <i>SC</i> 72.5.10.2.4 Baumer, Howard	P 112 Broadcom	L 4	# 366
<i>Comment Type</i> E Grammar.	Comment Status X				Comment Status X	se these bits?	
SuggestedRemedy A new increment Proposed Response	Response Status O			SuggestedRemedy Some wording that the mea MP5 or MP6. Proposed Response Re	ning of these bits shall b	e communicate	d during auto-neg via
C/ 72 SC 72.5.10.2. Dudek, Mike	Picolight	L 11	# 234	<i>Cl</i> 72 <i>SC</i> 72.5.10.2.5 Thaler, Pat	P 112 Agilent Techn	L 26 ologies	# 449
Comment Type E typo SuggestedRemedy Change An to A	Comment Status X			Comment Type TR C The text ""upon implementa Usually when we talk about design and make a part.			
Proposed Response	Response Status O			Also, something should be i acted upon if they are received a stress of the stress of			updates will only be
Cl 72 SC 72.5.10.2. aumer, Howard Comment Type TR	Broadcom Comment Status X	L 7	# <u>365</u>	SuggestedRemedy You could say ""Upon exect Before that sentance, insert			
transmitted. The wordir exchanged with a coefficient	fficient update is done when ng of the 4th sentence implie cient update command of in pret or respond to these mul to happen.	s that multiple tra c or dec but noth	aining frames can be ing is said on how the	when the state of the tap is			,
SuggestedRemedy Explicitly state how the example: The transmitte dec command and not t next update.	receiving end is to respond t er shall only update its coeffi to another update until it has	cients once wher	n receiving an inc or				
Proposed Response	Response Status O						

Cl 72 SC 72.5.10.2.5

Cl 72 SC 72.5.10.2.5 P Spagna, Fulvio INTE	112 <i>L</i> 26 EL	# 174 C/ 72 David	SC 72.5.10 James).2.6 <i>P</i> 11 JGG	3 L 2	# 687
Comment Type TR Comment Status The existing coefficient update process do coefficent set, if updated, violates the requ minimum value of Vss.	es not contemplate the case wi	where the new DV the limit on the Ca	ent Type ER J-114 pitalization within IEEE Style Guide	Comment Status a clause or subclause til e.		to the first word, as per
This information can be transferred to the (1) augmenting each coefficient status field state		oding of the new == Tra	ining pattern		_	
(2) use the existing status bits and return { condition is encountered	minimum, minimum, minimum}	I} when such a Propos	ed Response	Response Status	0	
uggestedRemedy Add to exisitng text:		<i>Cl</i> 72 Abler, 3	SC 72.5.10	D.2.6 <i>P</i> 11 IBM	3 L 3	# 307
""The default state for a given tap is not_u increment or decrement request, the statu minimum. Maximum is reported if a receive	s is reported as updated, maxined increment	mum, or Tra	ent Type TR ining pattern cont oo short.	Comment Status tent does not contain suf		ent to gather statistics and
request causes the fan value to reach its r	navimum limit or it it is already	v at that limit				
request causes the tap value to reach its n Minimum is reported if a received decreme minimum limit, or if it is already at that limi the following:	ent request causes the tap value	ue to reach its Sugget Ch sta itei	rt with an all ones ations of the patte		f each pattern cycle. letion of the second	. There would be 2
Minimum is reported if a received decreme minimum limit, or if it is already at that limi	ent request causes the tap value t."" t causes the coefficient values t ts defined in 72.6.1 will be repo	ue to reach its Sugget Ch sta iter to violate the Broose	ange length to 51 rt with an all ones ations of the patte	seed at the beginning o	f each pattern cycle letion of the second vide DC balance.	. There would be 2
Minimum is reported if a received decrement minimum limit, or if it is already at that limit the following: ""The condition by which a change request minimum steady-state voltage requirement	ent request causes the tap value t."" t causes the coefficient values t ts defined in 72.6.1 will be repo nimum.	be to reach its Sugget Ch sta iter to violate the Propos	ange length to 51 rt with an all ones ations of the patte 512 octet field we ed Response SC 72.5.1 0	e seed at the beginning o ern. Following the comp build be set to '00' to prov <i>Response Status</i> 0.2.6 <i>P</i> 11	f each pattern cycle. letion of the second vide DC balance. O	ern. The pattern would . There would be 2 iteration, the final 2 bits o # 264
Minimum is reported if a received decrement minimum limit, or if it is already at that limit the following: ""The condition by which a change request minimum steady-state voltage requirement the status field for all the coefficeints to mit The algorithm employed by the receiver act is beyond the scope of this standard>""	ent request causes the tap value t."" t causes the coefficient values t ts defined in 72.6.1 will be repo nimum. laptation process to deal with th	these occurrences Cl 72 Brink, F	ange length to 51 rt with an all ones ations of the patte 512 octet field we ed Response SC 72.5.1 0	a seed at the beginning o ern. Following the comp build be set to '00' to prov <i>Response Status</i> 0.2.6 <i>P</i> 11 Agere <i>Comment Status</i>	f each pattern cycle. letion of the second vide DC balance. 0 3 <i>L</i> 3 Systems	. There would be 2 iteration, the final 2 bits o
Minimum is reported if a received decrement minimum limit, or if it is already at that limit the following: ""The condition by which a change request minimum steady-state voltage requirement the status field for all the coefficeints to mit The algorithm employed by the receiver act is beyond the scope of this standard>""	ent request causes the tap value t."" t causes the coefficient values t ts defined in 72.6.1 will be repo nimum. laptation process to deal with th	to violate the propositive occurrences CI 72 Brink, F	ange length to 51 rt with an all ones ations of the patte 512 octet field we ed Response SC 72.5.10 Robert ent Type TR ining Pattern leng stedRemedy	a seed at the beginning o ern. Following the comp build be set to '00' to prov <i>Response Status</i> 0.2.6 <i>P</i> 11 Agere <i>Comment Status</i>	f each pattern cycle. letion of the second vide DC balance. 0 3	. There would be 2 iteration, the final 2 bits o

C/ 72 SC 72.5.10.2.6

CI 72	SC 72.5.10.2	6 P 113	L 8	# 265	CI 72	SC 72.5.10	3.2 <i>P</i> 114	L 12	# 567
Brink, Rober	rt	Agere Systems			Grow, Rober	t	Intel		
Comment Ty	ype TR	Comment Status X			Comment Ty	/pe ER	Comment Status X		
Training	pattern needs	to be redefined.			Why the	inconsistenc	y in defining some variables a	are Booleans and	l others not doing so?
SuggestedR	Remedy				SuggestedR	emedy			
end of e	each PN11. Th	to be two PN11 patterns pade s results in 512 Octets that are Also specify that at the beginn	DC balanced.	2047 bits + 0 + 2047	FALSE \	values.	ve the convention for boolear	ns is to define sp	ecifically the TRUE ar
	attern should b		ng or each trai	ning sequence, the	Proposed Re	esponse	Response Status O		
Proposed Re	esponse	Response Status 0							
	-				CI 72	SC 72.5.10	3.2 P 114	L 24	# 367
CI 72	SC 72.5.10.2	.6 <i>P</i> 113	L 9	# 688	Baumer, How	ward	Broadcom		
David V Jam		JGG	23	// 000	Comment Ty	/pe E	Comment Status X		
Comment Ty	vpe ER	Comment Status X			Circular	reference, se	e 72.5.10.3.2 is a reference to	o its own subclau	ISE
DVJ-115					SuggestedR	emedy			
		lause or subclause title should	l be limited to t	he first word, as per	remove	reference			
	E Style Guide.				Proposed Re	esponse	Response Status O		
SuggestedR	,								
Training ==>	g Pattern				CI 72	SC 72.5.10	4 <i>P</i> 115	L 42	# 690
Training	pattern				David V Jam		JGG	L 72	# 090
Proposed Re	esponse	Response Status 0			Comment Ty		Comment Status X		
					DVJ-117	,			
CI 72	SC 72.5.10.3	P 113	L 28	# 689	Capitaliz	ation within a	clause or subclause title sho	ould be limited to	the first word, as per
David V Jam		JGG	L 20	# 009	the IEEE	E Style Guide			
Comment Ty		Comment Status X			SuggestedR	,			
					State Dia	agrams			
	-	lause or subclause title should	l be limited to t	he first word, as per	State dia	agrams			
DVJ-116 Capitaliz					Proposed Re	esponse	Response Status 0		
DVJ-116 Capitaliz the IEEE	E Style Guide.								
DVJ-116 Capitaliz the IEEE SuggestedR	E Style Guide. Remedy								
DVJ-116 Capitaliz the IEEE SuggestedR State Va	E Style Guide. Remedy								
DVJ-116 Capitaliz the IEEE SuggestedR	E Style Guide. <i>Remedy</i> ariables								

<i>Cl</i> 72 <i>SC</i> 72.5.10.4 Booth, Brad	P 116	L 12	# 606	<i>Cl</i> 72 <i>SC</i> 72 Thaler, Pat	2.5.10.4.1	P 116 Agilent Techn	L 29 ologies	# 447
Comment Type TR	<i>Comment Status</i> X in state diagrams in Figures 7	2-3 and 72-4, bu	ut it is undefined.	Comment Type The operation c	f new marker isr	ent Status X	ate machine plus	s variable definitions. Is
necessary including wh	s below: controls the resetting of the PM hen reset is initiated from the A/PMD into low-power mode. <i>Response Status</i> 0			locations implie The state mach the 64/66 frame looking only for bits were only d testing multiple a pattern that d larger.	s) or does the cir ine appears to be sync), but that c the pattern. That istinct when look postions could be	cuit look for someth e designed for testir ould take significan type of operation n ed at over multiple l e done quickly. It do	hing that matche ng a certain time tly longer to get nade sense for 6 blocks and block besn't make sen	SLIP to test alternate es the marker pattern. e positition (similar to sync than something 64/66 because the sync ks were very short so ise where the marker is he frame size is much
				SuggestedRemedy				
C/ 72 SC 72.5.10.4 David V James	I.1 <i>P</i> 115 JGG	L 44	# 691	occurs. When t	ne initial marker i	s detected, then a f	rame timer is st	when a valid marker arted (a timer that other valid marker as
Comment Type ER	Comment Status X					rame lock. (If one w declaring frame loc		a careful, one could test
DVJ-118 Capitalization within a the IEEE Style Guide.	clause or subclause title shou	ld be limited to t	he first word, as per	frame lock, look and restart the	for marker deteo process. Also, fai	et outside the prope	r time and detec	t that as loss of sync r time should cause a
Capitalization within a the IEEE Style Guide. SuggestedRemedy Frame Lock ==>	clause or subclause title shou	ld be limited to t	he first word, as per	frame lock, look and restart the	for marker detector process. Also, fai pocess of looking t	et outside the prope	r time and detec	ct that as loss of sync
Capitalization within a of the IEEE Style Guide. SuggestedRemedy Frame Lock ==> Frame lock	clause or subclause title shou Response Status O	ld be limited to t	he first word, as per	frame lock, look and restart the restart of the pr Proposed Response	for marker detector process. Also, fai pocess of looking t	ct outside the prope lure to detect marke for sync.	r time and detec ers in the proper <i>L</i> 53	ct that as loss of sync
Capitalization within a c the IEEE Style Guide. SuggestedRemedy Frame Lock ==> Frame lock Proposed Response	Response Status O	L 22	he first word, as per	frame lock, look and restart the restart of the pr Proposed Response Cl 72 SC 72 Brink, Robert Comment Type Transmit Equal	tor marker detectorocess. Also, fai bocess of looking to <i>Respor</i> 2.5.10.4.2 TR Comm	et outside the prope lure to detect marke for sync. Inse Status O P 115 Agere System tent Status X e needed to assist	r time and detecters in the proper <i>L</i> 53	ct that as loss of sync r time should cause a
Capitalization within a of the IEEE Style Guide. SuggestedRemedy Frame Lock ==> Frame lock Proposed Response Cl 72 SC 72.5.10.4 Muller, Shimon Muller Comment Type ER See below	Response Status O	L 22		frame lock, look and restart the restart of the pr Proposed Response Cl 72 SC 72 Brink, Robert Comment Type Transmit Equal and to guarante SuggestedRemedy	t for marker detect process. Also, fai pocess of looking to <i>Respor</i> 2.5.10.4.2 TR <i>Comm</i> zation presets ar e training conver t Equalization tap	ct outside the prope lure to detect marke for sync. <i>P</i> 115 Agere System <i>Pent Status</i> X e needed to assist gence.	r time and detecters in the proper <i>L</i> 53	t that as loss of sync r time should cause a # 266
Capitalization within a of the IEEE Style Guide. SuggestedRemedy Frame Lock ==> Frame lock Proposed Response Cl 72 SC 72.5.10.4 Muller, Shimon Muller Comment Type ER See below SuggestedRemedy	<i>Response Status</i> O I.1 <i>P</i> 116 Sun Microsyst	<i>L</i> 22 ems, Inc		frame lock, look and restart the restart of the pr Proposed Response Cl 72 SC 72 Brink, Robert Comment Type Transmit Equal and to guarante SuggestedRemedy Define Transmi	t for marker detectorocess. Also, fai pocess of looking to <i>Respor</i> 2.5.10.4.2 TR <i>Comm</i> zation presets ar e training conver t Equalization tap presentation.	ct outside the prope lure to detect marke for sync. <i>P</i> 115 Agere System <i>Pent Status</i> X e needed to assist gence.	r time and detecters in the proper <i>L</i> 53	t that as loss of sync r time should cause a # 266

C/ 72 SC 72.5.10.4.2

Cl 72 SC 72.5.10.4.2 P 117 L 5 # 25 Muller, Shimon Muller Sun Microsystems, Inc	C/ 72 SC 72.5.2 P 107 L 18 # 747 David V James JGG
Comment Type E Comment Status X See below	Comment Type ER Comment Status X DVJ-100 Capitalization within a clause or subclause title should be limited to the first word, as per
SuggestedRemedy Replace "mr reset training" with "mr restart training".	the IEEE Style Guide.
Proposed Response Response Status O	SuggestedRemedy PMD Transmit Function ==> PMD transmit function
C/ 72 SC 72.5.10.4.3 P 116 L 3 # 450 Thaler, Pat Agilent Technologies Agilent Technologies	Proposed Response Response Status O
Comment Type TR Comment Status X This makes it sound like there is only one Coefficient Update state machine, but the state machine is operating per tap according to 72.5.10.2.5.	CI 72 SC 72.5.3 P 107 L 24 # 748 David V James JGG JGG <t< td=""></t<>
SuggestedRemedy ""For each tap, the 10GBASE-KR PMD shall implement an instance of the Coefficient Update state machine"" Proposed Response Response Status O	Comment Type ER Comment Status X DVJ-101 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.
2/ 72 SC 72.5.10.4.3 P 118 L # 82	SuggestedRemedy PMD Receive Function ==> PMD receive function
Comment Type ER Comment Status X State machine for tap update only flags max/amd min tap values	Proposed Response Response Status O
for status warnings. Many other combinations could be faulty, including combinations of tap values that a priori close the Tx data eye (1-0-1), or all-zero values. There should be additional status warnings for other combinations.	C/ 72 SC 72.5.4 P 107 L 30 # 749 David V James JGG
SuggestedRemedy Add (at least one more) status value for illegal tap value combinations.	Comment Type ER Comment Status X DVJ-102 Capitalization within a clause or subclause title should be limited to the first word, as per the IEEE Style Guide.
Proposed Response Response Status O	SuggestedRemedy PMD Signal Detect Function
	==> PMD signal detect function

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<i>Cl</i> 72 <i>SC</i> 72.5.4 Abler, Joe	<i>Р</i> 107 IBM	L 37	# 297	<i>Cl</i> 72 <i>SC</i> 72.5.5 Ganga, Ilango	P 107 Intel	L 50	# 616
Comment Type E diagram in 72-4 SuggestedRemedy	Comment Status X			Comment Type E Change line ""turn o the transmitter such	Comment Status X ff the transmitter such it drives that it drives a constant level""	a constant level	"" to read as ""turn off
call out Figure 72-4				SuggestedRemedy			
Proposed Response	Response Status O			Change line 50 to re	ad as ""turn off the transmitter	such that it drive	es a constant level""
				Proposed Response	Response Status O		
CI 72 SC 72.5.4	P 107	L 40	# 361			1.0	"
Baumer, Howard	Broadcom			Cl 72 SC 72.5.6 Dawe, Piers	P 106 Agilent	L 9	# 527
Comment Type T	Comment Status X			Comment Type T	Comment Status X		
	entors. This definition does not intent is to show that a signal i				to check it out before it transn		
SIGNAL_DETECT in	a similar fashion to clause 70 phys has completed then relat	or 71. If the inte	ent is to show that		uirement 'The transmitter shall difficult. This way of doing thi is like bad practice.		
SIGNAL_DETECT in training between two confusion. SuggestedRemedy Redifine to detect the	a similar fashion to clause 70	or 71. If the inte bel with another r	nt is to show that name to avoid the	enabled.' makes this now, but it just seen SuggestedRemedy Can it be reduced to	s difficult. This way of doing thins like bad practice. e.g. 'The transmitter is not new	ings may be too cessarily disable	established to change
SIGNAL_DETECT in training between two confusion. SuggestedRemedy Redifine to detect the machine.	a similar fashion to clause 70 phys has completed then relat	or 71. If the inte bel with another r	nt is to show that name to avoid the	enabled.' makes this now, but it just seen SuggestedRemedy Can it be reduced to	s difficult. This way of doing thins like bad practice.	ings may be too cessarily disable	established to change
SIGNAL_DETECT in training between two confusion. SuggestedRemedy Redifine to detect the machine. Proposed Response CI 72 SC 72.5.5	a similar fashion to clause 70 phys has completed then relate presence of a signal or relabe	or 71. If the inte bel with another r	nt is to show that name to avoid the	enabled.' makes this now, but it just seen <i>SuggestedRemedy</i> Can it be reduced to is enabled.'? Or, giv	e difficult. This way of doing this is like bad practice. e.g. 'The transmitter is not new re me a reason for the current	ings may be too cessarily disable	established to change
SIGNAL_DETECT in training between two confusion. SuggestedRemedy Redifine to detect the machine. Proposed Response CI 72 SC 72.5.5 David V James	a a similar fashion to clause 70 phys has completed then relate presence of a signal or relabe <i>Response Status</i> O <i>P</i> 107 JGG	or 71. If the inte bel with another r el to indicate the	nt is to show that name to avoid the tie to the training state	enabled.' makes this now, but it just seen SuggestedRemedy Can it be reduced to is enabled.'? Or, giv Proposed Response Cl 72 SC 72.5.6 David V James	s difficult. This way of doing this is like bad practice. The e.g. 'The transmitter is not new re me a reason for the current of <i>Response Status</i> O <i>P</i> 108 JGG	ings may be too cessarily disable way.	established to change
SIGNAL_DETECT in training between two confusion. SuggestedRemedy Redifine to detect the machine. Proposed Response CI 72 SC 72.5.5 David V James Comment Type ER DVJ-103	a a similar fashion to clause 70 phys has completed then relate e presence of a signal or relate <i>Response Status</i> O <i>P</i> 107 JGG <i>Comment Status</i> X a clause or subclause title shou	or 71. If the inte bel with another r el to indicate the <i>L</i> 45	tie to the training state	enabled.' makes this now, but it just seen SuggestedRemedy Can it be reduced to is enabled.'? Or, giv Proposed Response CI 72 SC 72.5.6 David V James Comment Type ER DVJ-104	s difficult. This way of doing this is like bad practice. The transmitter is not near we me a reason for the current of <i>Response Status</i> O <i>P</i> 108 JGG <i>Comment Status</i> X a clause or subclause title show	ings may be too cessarily disable way.	established to change d when loopback mode # [7 <u>51</u>
SIGNAL_DETECT in training between two confusion. SuggestedRemedy Redifine to detect the machine. Proposed Response CI 72 SC 72.5.5 David V James Comment Type ER DVJ-103 Capitalization within a the IEEE Style Guide SuggestedRemedy PMD Transmit Disab ==>	a a similar fashion to clause 70 phys has completed then relate e presence of a signal or relate <i>Response Status</i> O <i>P</i> 107 JGG <i>Comment Status</i> X a clause or subclause title should de Function	or 71. If the inte bel with another r el to indicate the <i>L</i> 45	tie to the training state	enabled.' makes this now, but it just seem SuggestedRemedy Can it be reduced to is enabled.'? Or, giv Proposed Response Cl 72 SC 72.5.6 David V James Comment Type ER DVJ-104 Capitalization within the IEEE Style Guid SuggestedRemedy Loopback Mode ==>	s difficult. This way of doing this is like bad practice. The transmitter is not near we me a reason for the current of <i>Response Status</i> O <i>P</i> 108 JGG <i>Comment Status</i> X a clause or subclause title show	ings may be too cessarily disable way.	established to change d when loopback mode # [7 <u>51</u>
SIGNAL_DETECT in training between two confusion. SuggestedRemedy Redifine to detect the machine. Proposed Response Cl 72 SC 72.5.5 David V James Comment Type ER DVJ-103 Capitalization within a the IEEE Style Guide SuggestedRemedy PMD Transmit Disab	a a similar fashion to clause 70 phys has completed then relate e presence of a signal or relate <i>Response Status</i> O <i>P</i> 107 JGG <i>Comment Status</i> X a clause or subclause title should de Function	or 71. If the inte bel with another r el to indicate the <i>L</i> 45	tie to the training state	enabled.' makes this now, but it just seem SuggestedRemedy Can it be reduced to is enabled.'? Or, giv Proposed Response Cl 72 SC 72.5.6 David V James Comment Type ER DVJ-104 Capitalization within the IEEE Style Guid SuggestedRemedy Loopback Mode	s difficult. This way of doing this is like bad practice. The transmitter is not near we me a reason for the current of <i>Response Status</i> O <i>P</i> 108 JGG <i>Comment Status</i> X a clause or subclause title show	ings may be too cessarily disable way.	established to change d when loopback mode # [7 <u>51</u>

Cl 72 SC 72.5.6

CI 72 SC 72.5.8	P 108	L 29	# <u>7</u> 52	CI 72 SC 72.6	P 119	L 38	# 19
avid V James	JGG			Abbott, John			
omment Type ER	Comment Status X			Comment Type E	Comment Status X		
DVJ-105 Capitalization within a the IEEE Style Guide.	clause or subclause title shou	uld be limited to t	he first word, as per		37-39, equations 72-1 and 7 ""dB"" in the equation, while 7 -2.		
SuggestedRemedy				SuggestedRemedy			
PMD Transmit Fault Fo				Make notation in equat clarity.	ions like 70-1, 70-2, 72-1, 7	2-2, etc. as cor	sistent as possible fo
PMD transmit fault fun	ction			Proposed Response	Response Status O		
Proposed Response	Response Status O						
C/ 72 SC 72.5.9	P 108	L 40	# 753	<i>Cl</i> 72 <i>SC</i> 72.6.1 David V James	<i>P</i> 118 JGG	L 29	# 693
David V James Comment Type ER DVJ-106 Capitalization within a the IEEE Style Guide.	JGG <i>Comment Status</i> X clause or subclause title shou	uld be limited to t	he first word, as per	the IEEE Style Guide.	Comment Status X	uld be limited to t	he first word, as per
uggestedRemedy				SuggestedRemedy			
PMD Receive Fault Fu	nction			Transmitter Characteris	stics		
==>				Transmitter characteris	stics		
PMD receive fault func				Proposed Response	Response Status 0		
Proposed Response	Response Status O						
C 72 SC 72.6	P 118	L 27	# 692	<i>Cl</i> 72 <i>SC</i> 72.6.1 Baumer, Howard	P 118 Broadcom	L 33	# 370
avid V James	JGG						
Comment Type ER DVJ-119	Comment Status X			<i>Comment Type</i> TR There is a potential cor	Comment Status X nflict between text and table v	vording.	
	clause or subclause title shou	uld be limited to t	he first word, as per		y: Add text stateing which prevext reference the table or labe		
SuggestedRemedy	al Characteristics			Proposed Response	Response Status O		Jinialive.
10GBASE-KR Electrica							
10GBASE-KR Electrica ==> 10GBASE-KR electrica							

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

Cl 72	F
SC 72.6.1	ç

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CI 72 SC 72.6.1 Alping, Arne	P 118	L 39	# 80	<i>Cl</i> 72 Booth, Brad	SC 72.6.1.1	<i>P</i> 119 Intel	L 1	# 604
	Comment Status X	Figure 72-2 sho	uld be included	Comment T		Comment Status X s to be very similar for Clause	~ 70 71 and 7	2 with the exception of
SuggestedRemedy				the num	iber of lanes.	These seems to be overkill.	53 70, 71 and 77	
Include foot note: ""See Fig	gure 72-7 for an illustratio	on of the definition	n of differential peak-to-	SuggestedF				
peak output voltage"" Proposed Response R	esponse Status O			reference	e. Add inform	normative annex (recommend ation that permits the reader lane and 10GBASE-KX4 is fo	to understand th	
				Proposed R	esponse	Response Status O		
C/ 72 SC 72.6.1	P 118	L 48	# 64					
Comment Type ER	Comment Status X			<i>CI</i> 72 David V Jan	SC 72.6.1.1	<i>P</i> 119 JGG	L 15	# 695
The unit for jitter is Ulp-p (r	not just UI)			Comment T	ype ER	Comment Status X		
<i>SuggestedRemedy</i> Use the unit UIp-p for the ji	tter parameters				zation within fig	jure callouts should be limited		
Proposed Response R	esponse Status O					s applies, regardless of wheth	ner the callout is	s split into multiple line
				SuggestedF	<i>lemedy</i> itter Under Tes	+		
C/ 72 SC 72.6.1	P 118	L 50	# 63	==>	itter under test	l		
	Comment Status X tter on BER			Proposed R	esponse	Response Status O		
SuggestedRemedy Include foot note: ""At BER	10-12""			<i>CI 72</i> David V Jan	SC 72.6.1.1 nes	<i>P</i> 119 JGG	L 18	# 697
Proposed Response R	esponse Status O			Comment T DVJ-12	4	Comment Status X		
				0	words should r English usage.	not be capitalized simply beca	ause their mean	ing is different from
				SuggestedF Oscillos	-			
				==>				
				oscillos	cope			

CI 72 SC 72.6.1. David V James	.1 <i>P</i> 119 JGG	L 19	# 696	<i>Cl</i> 72 <i>SC</i> 72.6.1.1 David V James	<i>P</i> 119 JGG	L 29	# 694
Comment Type ER DVJ-123	Comment Status X			Comment Type ER DVJ-121	Comment Status X		
English words should normal English usag	ld not be capitalized simply be ge.	cause their meanin	ig is different from	Capitalization within a the IEEE Style Guide.	clause or subclause title sh	ould be limited to t	the first word, as per
<i>uggestedRemedy</i> Processing ==>				SuggestedRemedy Transmit Test Fixture ==>			
processing roposed Response	Response Status O			Transmit test fixture fo Proposed Response	r 10GBASE-KR Response Status O		
/ 72 <i>SC</i> 72.6.1. avid V James	.1 <i>P</i> 119 JGG	L 20	# 698	<i>Cl</i> 72 <i>SC</i> 72.6.1.10 David V James) P 122 JGG	L 17	# 700
omment Type ER DVJ-125 English words should normal English usag	Comment Status X Id not be capitalized simply be ge.	cause their meanir	ng is different from	Comment Type ER DVJ-127 Capitalization within a the IEEE Style Guide.	Comment Status X	ould be limited to t	the first word, as per
uggestedRemedy Data Acquisition Mo ==> data acquisition mod				SuggestedRemedy Transmitter Output Wa ==> Transmitter output way			
roposed Response	Response Status O			Proposed Response	Response Status O		
		L 26	# 699	Cl 72 SC 72.6.1.10) <i>P</i> 122	L 29	# 700
	.1 <i>P</i> 119 JGG	L 20	# 699	David V James	JGG		# 703
David V James Comment Type ER DVJ-126 English words should	JGG <i>Comment Status</i> X Id not be capitalized simply be			Comment Type ER DVJ-130 English words should	Comment Status X	cause their meani	
David V James Comment Type ER DVJ-126	JGG <i>Comment Status</i> X Id not be capitalized simply be			Comment Type ER DVJ-130	Comment Status X	ecause their meani	

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

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<i>Cl</i> 72 <i>SC</i> 72.6.1.10 David V James	<i>P</i> 122 JGG	L 34	# 702	<i>CI</i> 72 <i>SC</i> 72.6.1 . Liu, Cathy	10 P 122	L 42	# 111
Comment Type ER DVJ-129 English words should n normal English usage. SuggestedRemedy Delay ==> delay Proposed Response	Comment Status X ot be capitalized simply beca Response Status O	ause their meani	ng is different from	that it requires at lea for c-1 with the rang need to specify in th of states like 84? Us degradation. Howev terms of removing p resolution which I th	Comment Status X cations on transmit equalizer t ist 14 settings for c1 with the ra- e up to -0.14. That makes total at detailed such as resolution, ing larger stepsize than 0.0263 er, we do have DFE taps at the ost-cursor ISI. It is a trade of b ink it is an implementation issu- ermore, for some applications	ange up to -0.35 a l of 14*6=84 state especially requiri 3 for c1 may caus e receiver which i etween the DFE le, and should be	and at least 6 settings es. Should we really ing such a large number se performance s doing the same job in resolution and c1 beyond the scope of
C/ 72 SC 72.6.1.10	P 122	L 40	# 701	SuggestedRemedy	qualizer coefficients due to the	Ũ	states.
David V James	JGG			Proposed Response	Response Status O		
Comment Type ER DVJ-128 Capitalization within a c the IEEE Style Guide.	Comment Status X	uld be limited to t	he first word, as per				
SuggestedRemedy Transmit Equalizer Exa ==> Transmit equalizer exar							
Proposed Response	Response Status O						

CI 72	SC 72.6.1.10	P 122	L 42	# <u>1</u> 75
Spagna, Fu	lvio	INTEL		

Comment Type TR Comment Status X

The requirement that the conditions a - i be met for all posssible configurations of the transmit equalizer seem inconsistent with the requirements in 72.6.1.11 (ref. Line #22, page 124).

The proposal is to group these conditions in two sets:

+ the first set (a,b,c,d,g,h) will be tested under all the possible equalizer configurations such that A= const and within the peak-peak differential output voltage range specified in Table 72-5

+ the second set (e,i) should be verified for all possible configurations of the transmit equalizer.

SuggestedRemedy

Change text as follows:

""For all possible configurations of the transmit equalizer such that the peak differential output voltage A shall be within the peak-peak differential output voltage range specified in Table 72-5:

a) Rpst shall not be less than 3.25 for any c1 decrement request that returns status ôminimumö with pre-cursor equalization disabled (Rpre no greater than 1.38).
b) Rpst shall not be greater than 1.08 for any c1 increment request that returns status ômaximumö with pre-cursor equalization disabled (Rpre no greater than 1.08).
c) Rpre shall not be less than 1.39 for any c-1 decrement request that returns status ôminimumö with post-cursor equalization disabled (Rpst no greater than 1.13).
d) Rpre shall not be greater than 1.08 for any c-1 increment request that returns status ôminimumö with post-cursor equalization disabled (Rpst no greater than 1.13).
d) Rpre shall not be greater than 1.08 for any c-1 increment request that returns ómaximumö with post-cursor equalization disabled (Rpst no greater than 1.08 dB).
e) For adjacent post-cursor settings (k) and (k-1) resulting from a single increment or decrement operation on tap c-1, Dpst shall be greater than 0 and less than 0.0263.
f) For adjacent pre-cursor settings (k) and (k-1) resulting from a single increment or decrement operation on tap c1, Dpre shall be greater than 0 and less than 0.0263.
g) Adjacent main tap settings (k) and (k-1) resulting from a single increment or decrement operation on tap c2, Dmain shall be greater than 0 and less than 0.0263.

In addition, for all possible configurations of the transmit equalizer:

h) With both pre- and post-cursor equalization disabled (Rpre no greater than 1.08 and Rpst no greater than 1.08), the value of Vss shall be no greater than 100 mV for any c0 decrement request that returns status ôminimumö.

i) For any tested transmitter state (k), the magnitude of Vss shall not be less than 40 mV.""

Proposed Response Response Status O

CI 72	SC 72.6.1.10	P 122	L 44	# 258
Healey, A	dam	Agere Systems		

Comment Type **TR** Comment Status **X**

The requirements listed in this subclause are not the correct translation of the systems requirements outlined in healey_01_0505 and adopted as part of brink_04_0505.

1. Dpre and Dpst upper limits are defined to be 0.0263. This was supposed to the be sum of the step size and tolerance, which were defined to be 0.0250 and 0.0125 respectively. Therefore, this number should be 0.0375.

Dmain upper limit is listed as 50 mV but this should have the same step size requirements as the pre- and post-cursor taps. The absolute voltage is dependent the peak differential output voltage, which would be 15.0 mV for an 800 mVpp output and 22.5 mVp for a 1200 mVpp output. It is not clear where the 50 mV step size originated.
 Rpre, Rpst, Dpre, Dpst were specified ratiometrically to eliminate dependence on differential output voltage (2A) is kept constant throughout the test. The specification states that this is a measurement requirement but allows a 3% tolerance across test conditions. While this is a realistic provision, the specifications on the ratios should be checked with this 3% tolerance in mind to ensure that specifications are not too strict or too forgiving.

SuggestedRemedy

Check the requirements to ensure consistency with the agreed upon requirements and ensure appropriate margins are included measurement tolerances. At a minimum, the listed items need to be corrected, but a more detailed investigation may reveal other issues.

Proposed Response Response Status **O**

-				
CI 72	SC 72.6.1.10	P 122	L 44	# 114
Andre, S	zczepanek			

Comment Type E Comment Status X

The meaning of ""maximum"" and ""minimum"" wrt coefficients is not intuitively obvious and makes these requirements dificult to understand for the uneducated reader. That a maximum value equates to equalization disabled is confusing without additional explanation.

SuggestedRemedy

Add a paragraph to the end of this clause :

""It should be noted that the valid ranges of C1 and C-1 coefficients have solely negative values, So the maximum value of these coefficients is the value closest to zero, and is therefore the value used to disable the tap.""

Proposed Response Response Status **O**

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

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<i>Cl</i> 72 <i>SC</i> 72.6.1.1 Dudek, Mike	0 P 122 Picolight	L 45	# 244	<i>Cl</i> 72 <i>SC</i> 72.6.1 .1 Baumer, Howard	0 P 122 Broadcom	L 49	# 375
Comment Type T The conditions a,b,c	Comment Status X and d appear to be wrong.			Comment Type TR Missing shall. In orde	Comment Status X r to force the spcified conditior	n a shall is requi	red.
<i>SuggestedRemedy</i> Fix if a problem exists	5.			<i>SuggestedRemedy</i> Change "Rpst no gre	ater" to "Rpst shall be no great	er"	
Proposed Response	Response Status O			Proposed Response	Response Status O		
<i>SC</i> 72 <i>SC</i> 72.6.1.1 Saumer, Howard	0 P 122 Broadcom	L 45	# 373	<i>Cl</i> 72 <i>SC</i> 72.6.1. Baumer, Howard	0 P 122 Broadcom	L 49	# 376
	Comment Status X tation Rpre isn"t affected by Rp ess of testing for Rpst min or m		off deffinition of Rpre		Comment Status X tation Rpst isn"t affected by Rp ess of testing for Rpre min or n		e off deffinition of Rpst
SuggestedRemedy Change 1.38 to 1.08				SuggestedRemedy Change 1.13 to 1.08			
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 72 SC 72.6.1.1 Baumer, Howard	0 P 122 Broadcom	L 45	# 372	<i>Cl</i> 72 <i>SC</i> 72.6.1. 1 Baumer, Howard	0 P 122 Broadcom	L 5 1	# 377
Comment Type TR Missing shall. In orde	Comment Status X r to force the spcified condition	ı a shall is requi	red.	Comment Type TR Missing shall. In orde	Comment Status X r to force the spcified conditior	n a shall is requi	red.
SuggestedRemedy Change "Rpre no gre	ater" to "Rpre shall be no great	ter"		<i>SuggestedRemedy</i> Change "Rpst no gre	ater" to "Rpst shall be no great	er"	
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 72 SC 72.6.1.1 Baumer, Howard	0 P 122 Broadcom	L 47	# 374	<i>Cl</i> 72 <i>SC</i> 72.6.1. Abler, Joe	0 <i>P</i> 122 IBM	L 52	# 304
Comment Type TR Missing shall. In orde	Comment Status X r to force the spcified condition	ı a shall is requi	red.	<i>Comment Type</i> T Shows Rpst expresse	<i>Comment Status</i> X ed as 108 dB. I believe this sh	ould be a straigl	nt ratio
SuggestedRemedy Change "Rpre no gre	ater" to "Rpre shall be no great	ter"		SuggestedRemedy delete dB			
Proposed Response	Response Status 0			Proposed Response	Response Status 0		

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

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<i>Cl</i> 72 <i>SC</i> 72.6.1.10 Baumer, Howard	P 123 Broadcom	L 8	# 378	<i>CI</i> 72 Baumer, Ho	SC 72.6.1.10 ward	P 124 Broadcom	L 7	# 379
<i>Comment Type</i> T Vss is dependent on a	<i>Comment Status</i> X Il tap values so a change on C	-1 or C1 would	affect Dmain	Comment 7 No har		Comment Status X r the definition of Dpre		
SuggestedRemedy Specify Dmain is to be	measured with C-1 & C1 held	l constant at a	ny valid value	<i>Suggestedl</i> Change		ned to be:" to "à Dpre shall b	e defined to be:	"
Proposed Response	Response Status O			Proposed F	lesponse	Response Status O		
C/ 72 SC 72.6.1.10 Baumer, Howard	P 124 Broadcom	L 14	# 380	<i>Cl 72</i> David V Jar	SC 72.6.1.11	<i>P</i> 123 JGG	L 13	# 704
Comment Type TR No hard requirement fo SuggestedRemedy	·				1	Comment Status X	uld be limited to	the first word, as per
Change "a Dpst is defi Proposed Response	ned to be:" to "à Dpst shall be <i>Response Status</i> O	defined to be:	·	==>	itter Output Wa	veform Measurement Requir eform measurement requirer		
<i>SC</i> 72 <i>SC</i> 72.6.1.10 nderson, Stephen	<i>P</i> 124	L 22	# 146	Proposed F		Response Status O		
amplitude must always	Comment Status X clear. Lines 22 and 23 of page end up in the range of 800 m rer all 3 equalizer taps. Lines	V to 1200 mV,	and that there is no	<i>Cl</i> 72 David V Jar		P 123 JGG	L 37	# 705
amplitude could be set uggestedRemedy					2	Comment Status X	uld be limited to	the first word, as per
NOTE: This section de	efines parts of the test wavefo which the transmitter must be	rm and does n		==>	itter Output Wa			
	Response Status 0			Transm	itter output wav	etorm		

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

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<i>Cl</i> 72 <i>SC</i> 72.6.1.1 Spagna, Fulvio	1 <i>P</i> 124 INTEL	L 23	# 176	<i>Cl</i> 72 <i>SC</i> 72.6.1.11 Telang, Vivek	P 124 Broadcom	L 24	# 270
Comment Type ER Wrong reference	Comment Status X			Comment Type ER Incorrect reference to	Comment Status X		
SuggestedRemedy Change ""Table 72-5"	" to "" Table 72-7"".			SuggestedRemedy Replace ""Table 72-5"	' with ""Table 72-7""		
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 72 SC 72.6.1.1 Dudek, Mike	1 P 124 Picolight	L 23	# 245	<i>Cl</i> 72 <i>SC</i> 72.6.1.11 Weiner, Nick	P 124	L 24	# 83
this is required with a SuggestedRemedy				Comment Type ER Reference to Table 72 SuggestedRemedy Table 72-7.	Comment Status X -5. Not the correct table.		
Option 1 Add a tolera a tolerance of +/-TBD	nce ""the c0tap shall be adjus mv""	ted to yield the s	ame value of A within	Proposed Response	Response Status O		
Option 2 add the word	approximatelyh ""yield appro	oximately the sa	me value of A""				
Option 3 Change ""Sh	all"" to ""Should""			<i>Cl</i> 72 <i>SC</i> 72.6.1.1 1 Abler, Joe	I <i>P</i> 124 IBM	L 24	# 298
Proposed Response	Response Status O			Comment Type E 72-5 is the wrong table	Comment Status X		
C/ 72 SC 72.6.1.1 Dudek, Mike	1 P 124 Picolight	L 24	# 236	SuggestedRemedy change to Table 72-7			
Comment Type E Incorrect reference	Comment Status X			Proposed Response	Response Status O		
SuggestedRemedy	72-7			<i>Cl</i> 72 <i>SC</i> 72.6.1.1 1 Liu, Cathy	P 124	L 24	# 109
Change Table 72-5 to				Comment Type E	Comment Status X		
	Response Status O			The peak-peak differen 72-5.	ntial output voltage range was	s specified in Tab	ole 72-7, not in Table
Change Table 72-5 to	Response Status O				ntial output voltage range wa	s specified in Tab	ble 72-7, not in Tabl

CI 72 SC 72.6.1.11	P 124	L 6	# 269	CI 72	SC 72.6.1.2	P 119	L 39	# 271
Telang, Vivek	Broadcom			Telang, Viv	vek	Broadcom		
	Comment Status X on line 15) are interchanged. c	1 should refere	e to the precursor tap,		eturn Loss of the	Comment Status X e Test fixture impedance is no		
and c1 should refer to t SuggestedRemedy On line 6, replace ""c1" On line 15, repalce ""c-	" with ""c-1""			Test fix measu signals	tures which hat rements. Althous above that free	llow badly designed test fixture ve poor high frequency RL ma ugh 5GHz is the Nyquist frequ quency. e specified by a limit line (at 1	ay have unintenc ency, we do car	led effects on the e what happens to
Proposed Response	Response Status O			Suggested Add th Beturn	is line:	dB, for f > 5GHz	, .	
<i>Cl</i> 72 <i>SC</i> 72.6.1.11 Andre, Szczepanek	P 125	L 45	# 117	Proposed I	()	Response Status O		
	Comment Status X erences Amin(f1) & Amin(f2) i ned anywhere in Clauses 69 o s be to ILmin(f1/f2) ?		A-1.	CI 72 Telang, Viv		P 119 Broadcom <i>Comment Status</i> X	L 48	# 272
This comment also app SuggestedRemedy Fix references Proposed Response	lies to Tables 70-8, and 71-8 Response Status O			differei ""minin If it is i	jiven transmitte ntial peak-to-pe num"" mean in ntended that the	r transmitting a square wave, ak output voltage. It is not clea	ar what the quali to-peak output v	fiers ""maximum"" and
Toposeu nesponse				<i>Suggested</i> Replac	Remedy e lines 48 and	49 with		
C/ 72 SC 72.6.1.2 Ghiasi, Ali	P 119 Broadcom	L 37	# 579	•	ransmitter diffe	rential peak-to-peak output vo	Itage shall be in	the range 800mV to
Comment Type TR Test fixture has inadequ	Comment Status X uate performance .				eems like a very aptured correct	r large transmit amplitude rang ly.	ge, so I'm not su	re that the intent has
and Return Loss(f)> 15) >15 dB from 10MHz to 5.16 - 0.5xf for 5.16GHz<=f<=10.3 ted with poor fixture can possi	125 GHz.		Proposed I	•	Response Status O		
Proposed Response	Response Status O							

C/ 72 SC 72.6.1.4 Dudek, Mike	P 119 Picolight	L 48	# 248	<i>CI</i> 72 Liu, Cathy	SC 72.6.1.5	P 120	<i>L</i> 1	# 110		
<i>Comment Type</i> TR <i>Comment Status</i> X In this section the differential peak to peak output voltage is defined to be between 800mV and 1200mV (and based on the fact that nothing is said about tap weights I would expect that this must be true for all tap weights.). It is also shown in Fig 72-7 In section 72.6.1.11 the value of A = Vpst-Vpre-Vss is called the peak differential output voltage. It appears to me that these values are different (For the Fig 72-10 picture the differential peak to peak output voltage would be 2Vpst). This is at least confusing to have such similar names defined differently. Also with the requirement to keep A constant for all tap weights I suspect that keeping the differential peak to peak output voltage within the required range may not be possible for all combinations of tap weights.					Comment Type T Comment Status X Based on Figure 72-8, the transmit differential output return loss, we can see that at 5GHz the return loss is about -4dB, which seems huge. I doubt that it will work. SuggestedRemedy Is there any simulation or analysis to prove the system work under that bad reflection? Proposed Response Response Status O					
SuggestedRemedy		ons of tap weigh		CI 72	SC 72.6.1.5	P 120	L 26	# 268		
,	e enough to this work to su	ggest an approp	riate change), except	Telang, Vive	ek	Broadcom				
	ion 72.6.1.4 only applies w			<i>Comment T</i> Format		Comment Status X s equations is inconsistent w	ith other equatio	n formats		
Proposed Response	Response Status O			Suggestedf Change	•	onsistent with, e.g., 72-1 and	172-2			
<i>Cl</i> 72 <i>SC</i> 72.6.1.4 Weiner, Nick	P 119	L 48	# 90	Proposed R	esponse	Response Status O				
Comment Type TR Comment Status X Measurement of transmitted peak-to-peak voltage: I believe that the largest output voltage occurs for isolated ONE and ZERO bits. This does not occur during a square wave pattern and so the test specified does not measure the mission mode peak-to-peak transmit voltage.				CI 72 Telang, Vive Comment T The bas	ype TR	P 120 Broadcom <i>Comment Status</i> X hm is not specified.	L 32	# 273		
From page 124, line 23: "" 2A shall be within the peak-peak differential output voltage range specified in Table 7205""				Suggested Replace	Remedy e ""log"" with ""l	og10""				
From the definition of A, this implies that the measured peak-to-peak voltage is intended to account for the isolated ONE and ZERO bit voltages.		Proposed F	esponse	Response Status O						
72-7 to show the occurre (Alternatively, change the	neasure the peak-to-peak to nce of the peak voltages fo e transmit equalizer to a two peak value, Figure 72-7 woo needed).	r the isolated ON tap, by removir	NE and ZERO bits. Ing the C-1 tap. Then							
0	Response Status O									

Ghiasi, Ali	P 120 Broadcom	L 33	# 573	<i>Cl</i> 72 Baumer, Ho	SC 72.6.1.7 ward	P 121 Broadcom	L 32	# 371
baudrate this equates stressor that does not and failures SuggestedRemedy Propose the following from 10 MHz to 2000 N		nation of the loo ause significant i	se return loss and	transmi interope SuggestedF	no max transit ter. These slov rability problem <i>temedy</i> a maximum tra	Comment Status X ion time, therefore allowing wedges can cause undue IS is. nsition time with limits as de Response Status O	SI thereby causir	ng system
Proposed Response	Response Status O			<i>Cl 72</i> Dudek, Mike	SC 72.6.1.9	P 121 Picolight	L 49	# 243
<i>Cl</i> 72 <i>SC</i> 72.6.1.5 Telang, Vivek	P 120 Broadcom	L 36	# 274	<i>Comment T</i> The val		Comment Status X eights is not specified for the	Transmitter jitte	er test
	Comment Status X e Transmitter is not specifed for v badly designed transmitters t			SuggestedF Define		ights should be for the test i	n 72.6.1.9	
Transmitters which hav receiver.	ve poor high frequency RL ma			Proposed R	esponse	Response Status O		
Transmitters which hav receiver.	ive poor high frequency RL ma			Proposed F CI 72 Dawe, Piers	SC 72.6.1.9	Response Status O P 122 Agilent	<i>L</i> 1	# 531
Transmitters which has receiver. SuggestedRemedy Add this line after line returnLoss(f) >= 2dB fe	ive poor high frequency RL ma 36: or f > 7500MHz			CI 72 Dawe, Piers Comment T	SC 72.6.1.9	P 122	L1	# 531
Transmitters which ha receiver. SuggestedRemedy Add this line after line returnLoss(f) >= 2dB for Proposed Response	ve poor high frequency RL ma 36: or f > 7500MHz <i>Response Status</i> O	y have unintend	ed effects on the	CI 72 Dawe, Piers Comment T Redund SuggestedF	SC 72.6.1.9 ype ER ant table. Demedy	P 122 Agilent		-
Transmitters which has receiver. SuggestedRemedy Add this line after line returnLoss(f) >= 2dB fe Proposed Response CI 72 SC 72.6.1.6	ove poor high frequency RL ma 36: or f > 7500MHz <i>Response Status</i> O			CI 72 Dawe, Piers Comment T Redund SuggestedF	SC 72.6.1.9 ype ER ant table. demedy 'Table 72-8' to	P 122 Agilent <i>Comment Status</i> X		-
Transmitters which has receiver. SuggestedRemedy Add this line after line returnLoss(f) >= 2dB for Proposed Response CI 72 SC 72.6.1.6 Ghiasi, Ali	ve poor high frequency RL ma 36: or f > 7500MHz <i>Response Status</i> O <i>P</i> 121	y have unintend	ed effects on the	CI 72 Dawe, Piers <i>Comment T</i> Redund <i>SuggestedF</i> Change	SC 72.6.1.9 ype ER ant table. demedy 'Table 72-8' to	P 122 Agilent <i>Comment Status</i> X 'Table 52-20' here and in 72		-
Transmitters which has receiver. SuggestedRemedy Add this line after line returnLoss(f) >= 2dB for Proposed Response CI 72 SC 72.6.1.6 Ghiasi, Ali Comment Type TR The transmitter comme	ative poor high frequency RL ma 36: for f > 7500MHz <i>Response Status</i> O <i>P</i> 121 Broadcom	L 30	# <u>574</u>	CI 72 Dawe, Piers <i>Comment T</i> Redund <i>SuggestedF</i> Change	SC 72.6.1.9 ype ER ant table. demedy 'Table 72-8' to	P 122 Agilent <i>Comment Status</i> X 'Table 52-20' here and in 72		-
Transmitters which has receiver. SuggestedRemedy Add this line after line returnLoss(f) >= 2dB fe Proposed Response CI 72 SC 72.6.1.6 Ghiasi, Ali Comment Type TR The transmitter commissome frequencies. Ge SuggestedRemedy Propose the following from 10 MHz to 2000 f	ive poor high frequency RL ma 36: or f > 7500MHz <i>Response Status</i> O <i>P</i> 121 Broadcom <i>Comment Status</i> X on mode return loss has been enerally speaking the common return loss mask for common	L 30	# <u>574</u> # than differential for ss is little worse.	CI 72 Dawe, Piers <i>Comment T</i> Redund <i>SuggestedF</i> Change	SC 72.6.1.9 ype ER ant table. demedy 'Table 72-8' to	P 122 Agilent <i>Comment Status</i> X 'Table 52-20' here and in 72		-

Cl 72 SC 72.6.1.9 Page 108 of 135 9/2/2005 2:33:10 PM

CI 72 SC 72.6.2 Ghiasi, Ali	P 125 Broadcom	L 12	# 576	Cl 72 SC 72.6.2.1 Baumer, Howard	P 125 Broadcom	L 25	# 382
SuggestedRemedy Propose total non equ	Comment Status X ng maximum non equalizable ji ualizable jitter to be 0.6 UI whic ut a maximum 0.15 UI limit on	ch include PJ, R	J, and DCD. In	it making it an "Informa SuggestedRemedy	Comment Status X lete as it references Annex 69 ative" Annex.		
Proposed Response	Response Status O			Proposed Response	Response Status 0		
/ 72 SC 72.6.2 aumer, Howard	P 125 Broadcom	L 3	# 381	<i>Cl</i> 72 <i>SC</i> 72.6.2.1 Dudek, Mike	P 125 Picolight	L 25	# 237
comment Type TR	Comment Status X			Comment Type E	Comment Status X		
There is a potential co	onflict between text and table w	vording.		wrong spelling			
<i>uggestedRemedy</i> Do one of the following	g: Add text stateing which prev	vails if there is a		wrong spelling SuggestedRemedy Change inference to in	terference.		
<i>SuggestedRemedy</i> Do one of the following wording) or have the t		vails if there is a		SuggestedRemedy	terference. Response Status O		
uggestedRemedy Do one of the following wording) or have the to roposed Response	g: Add text stateing which prevext reference the table or labe	vails if there is a		SuggestedRemedy Change inference to in		L 25	# 137
Do one of the following wording) or have the ter proposed Response	g: Add text stateing which prevent reference the table or labe <i>Response Status</i> O <i>P</i> 125 <i>Comment Status</i> X	vails if there is a I the table as inf	formative.	SuggestedRemedy Change inference to in Proposed Response Cl 72 SC 72.6.2.1 John, D'Ambrosia Comment Type TR Receiver Inference Tol	Response Status 0	A for 10GBASE	
SuggestedRemedy Do one of the following wording) or have the to Proposed Response C/ 72 SC 72.6.2.1 Marris, Arthur Comment Type T	g: Add text stateing which prevent reference the table or labe <i>Response Status</i> O <i>P</i> 125 <i>Comment Status</i> X to ""Interference"".	vails if there is a I the table as inf	formative.	SuggestedRemedy Change inference to in Proposed Response Cl 72 SC 72.6.2.1 John, D'Ambrosia Comment Type TR Receiver Inference Tol device implementation SuggestedRemedy	Response Status O P 125 Comment Status X erance Testing per Annex 69	0A for 10GBASE	

Cl 72 SC 72.6.2.1

<i>CI</i> 72 Moore, Ch	SC 72.6.2.1	P 125	L 27	# 107	Cl 72 SC 72.6 Andre, Szczepanek	.2.1	P 125	L 30	# <u>1</u> 21
<i>Comment</i> Test p	<i>Type</i> TR battern is specified	Comment Status X d as the PRBS test pattern fr n is less than 34000 bits long			Comment Type TF Annex 69A allows	receiver inter	<i>ment Status</i> X ference tolerance to case one. This woul	be tested again	st any compliant
with p existir	attern length up t	o severall million and beyond bliment PRBS31, we			based solely on te trying to achieve I interference tolera	esting with an nere. What we	extremely good tran want is that a recei	smitter. This is n ver should be ab	not really what we are
Suggested	dRemedy				golden units.				
chang	e text from:				I am not sure whe	ther this is ed	itorial or technical h	ence the TR	
		nis measurement shall be the nown in Table 72.8.	pseudo-randon	n test pattern of 49.2.8	SuggestedRemedy Add the following	paragraph to	72.6.2.1, 70.6.2.1, &	71.6.2.1.	
		nis measurement shall be a 3 ating polynomial X^31+X^28-		ndom			ant if it fails to meet t any compliant tran		tolerance test
Proposed	Response	Response Status O			I believe this clos	es the loop-ho	le.		
					Proposed Response	Respo	onse Status O		
CI 72 Alping, Ari	SC 72.6.2.1	P 125	L 29	# 65					
Comment Use o	<i>Type</i> E f multiple periods	Comment Status X			<i>Cl</i> 72 <i>SC</i> 72.6 John, D'Ambrosia		P 125	L 32	# 145
Suggested	dRemedy	iods after "" shown in Table	9 72-8""		Comment Type El In Table 72-8, mir		ment Status X and on the values of	Amax(f) at f1, f2	
Proposed	Response	Response Status 0			SuggestedRemedy In Table 72-8				
CI 72	SC 72.6.2.1	P 125	L 29	# 305		to note 1 with	value for minISIlos	s 22.4754 dB	
Abler, Joe		IBM			Proposed Response	Respo	onse Status O		
Comment	Туре Т	Comment Status X							
is inte patter	nded to allow use n capability built i	test pattern of 49.2.8 is spec of a compliant transmit, but n. Clause 49.2.8 also calls o only built into transceivers, so	most transmitte out an optional P	rs don't have this test RBS31 pattern. This					
Suggested	dRemedy								
	statement that o	ptionally allows the use of PF	RBS31.						
Add a									

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

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CI 72 S	SC 72.6.2.1	P 125	L 36	# 010	CI 72	SC 72.6.2.2	D105	L 51	# 500
Diab, Wael	50 [2.0.2.]	Cisco	L 30	# 613	Grow, Ro		<i>P</i> 125 Intel	L 31	# 560
<i>Comment Typ</i> Was the E		Comment Status X to match the 1G or can we de	b better than 10	e-12 on the 10GBASE-	Comment Bad s	t <i>Type</i> E symbology.	Comment Status X		
KR interfa					Suggeste				
SuggestedRei	,				00		ol font single character.		
Raise the	BER requiren	nents to 10e-15 or better			Proposed	l Response	Response Status 0		
Proposed Res	ponse	Response Status O			,	,	,		
	SC 72.6.2.1	P 125	L 38	# 629	Cl 72 Anderson	<i>SC</i> 72.6.2.3 , Stephen	P 126	L 1	# 147
Kundu, Anirud	dha	Intel			Comment	t Type TR	Comment Status X		
derived. N SuggestedRer Gathering	Need backgro <i>medy</i> data from diff	nsure for proper receiver ope und data for justification. ferent platform vendors as w r EITbase value is on going.	ell as Silicon vei	ndors to verify this	If <i>F</i> resist in 49.	AC-coupled mean ors, this may not 2.8. This seems	t of the existing specification is that there must be capacito work. In 72.6.2.1 it is stated to be a PRBS-31 pattern, wh ant. Coupling capacitors wou	ors between TP4 that the receive nich would requir	and the termination test pattern is defined re either DC coupling or
meeting. Proposed Res	ponse	Response Status 0			(see	presentation). Th	is forces the capacitors off-c mbly, more vias, higher cost.	hip; resulting in :	
					Suggeste	dRemedy			
CI 72 5	SC 72.6.2.1	P 125	L 45	# 89	Provi	de specifications	that define AC coupling.		
Weiner, Nick		, 120	240	<i>"</i> 00	Propo	osed receiver text	:		
	to Table 72-10	<i>Comment Status</i> X) specifies minISIloss with re fined by Equation 69A-1.	spect to Amin()	values as per Equation			ther RXP or RXN to ground s non-mode input voltage of be		
SuggestedRei	0				Propo	osed transmitter t	ext:		
00	nin() in annex	69A.			1. Th	ne transmitter cor	nmon-mode output voltage sl	hall be within the	e range of 0.5 volt to 1.5
Proposed Res	ponse	Response Status 0			volt w	hen loaded (diffe	rentially) by any resistance g s probably the low end of the	reater than 80 o	hm. NOTE: 80 ohm is
							put amplitude requirements s by any resistance greater than		the transmitter is

Proposed Response Response Status **O**

Cl 72 SC 72.6.2.3 Page 111 of 135 9/2/2005 2:33:10 PM

CI 72	SC 72.6.2.4	P 126	L 11	# 148
Anderson,	Stephen			

Comment Type TR Comment Status X

Because KR relies heavily on equalization, the linearity of the received signal is important. If the Rx input amplitude becomes excessive, there is little or no head room to amplify or otherwise process the signal. It is likely that the signal will be clipped, leading to a loss of linearity. The problem is particularly acute in devices operating from a 1.0 volt rail and future devices operating from a 0.8 volt rail. To preserve linearity we believe that the input amplitude (72.6.2.4) must not be allowed to go above 600 mV ppd when equalization is being used.

SuggestedRemedy

Proposed Text for 72.6.2.4

10GBASE-KR receivers shall accept differential input signal peak-to-peak amplitudes produced by compliant transmitters connected without attenuation to the receiver, and still meet the BER requirement specified in 72.6.2.1; with the exception that a compliant transmitter may be directed to operate in such a way that the received signal does not exceed 600 mV ppd when equalization (either transmit equalization or receive equalization or both) is used; and 1200 mV ppd when no equalization (neither transmit equalization nor receive equalization) is used. Since the Channel is AC-coupled, the absolute voltage levels with respect to the receiver ground are dependent on the receiver implementation.

NOTE 1: Section 72.6.1.10 provides a means for the receiver to control the transmitter amplitude as part of, or in addition to, transmitter equalization.

rioposed nesponse	nesponse Status	0	

CI 72	SC 72.6.2.5	P 126	L 23	# 246
Dudek, Mike	9	Picolight		

Deenenaa Statua

Comment Type T Comment Status X

In this section the differential input return loss is defined to 15GHz by equations 72-3 and 72-4. However these equations are conditioned to only 7.5GHz.

SuggestedRemedy

Dranagad Dagmanag

Option 1 repeat the equations with the appropriate conditions in this section, Option 2 point out that equation 72-4 should be used with a change to the upper frequency, Option 3 change 15GHz tp 7.5GHz on line 24.

Proposed Response Response Status O

<i>CI</i> 72 Baumer, H	SC 72 oward	2.6.2.5	P 126 Broadcom	L 23	# 383
<i>Comment</i> Equati	Туре		Comment Status X lo not cover the range sp	pecified here of 10	0M - 15G they go from
<i>Suggested</i> Chang		7500MH	lz or get rid of "For frequ	encies from 100 N	/Hz to 15 GHz,"
Proposed	Response	9	Response Status O		
<i>Cl 72</i> Ghiasi, Ali	SC 72	2.6.2.6	P 125 Broadcom	L 18	# 575
			for 10GBASE-KR only		
the ba stresso and fa <i>Suggested</i> Propos from 1	udrate thi or that do ilures. <i>IRemedy</i> se the foll 0 MHz to	s equate es not in owing re 2000 M	es to 63% reflection! The corporates reflections w turn loss mask Hz RL<=9 dB	e combination of ti ill cause significar	he loose return loss and
the ba stresso and fa Suggested Propos from 1 RL = 9	udrate thi or that do ilures. <i>Remedy</i> se the foll 0 MHz to 0 - 16.67xl	s equate es not in owing re 2000 MI LOG10(1	es to 63% reflection! The corporates reflections w turn loss mask	e combination of ti ill cause significar	he loose return loss and
the ba stresso and fa <i>Suggestea</i> Propos from 1	udrate thi or that do ilures. <i>Remedy</i> se the foll 0 MHz to 0 - 16.67x <i>Response</i> <i>SC</i> 72	s equate es not in lowing re 2000 Mi LOG10(1	es to 63% reflection! The corporates reflections w sturn loss mask Hz RL<=9 dB /5.16 GHz), 2 GHz<= f<	e combination of ti ill cause significar =10.3125 GHz <i>L</i> 28	he loose return loss and
the ba stresso and fa Suggested Proposed RL = 9 Proposed Cl 72 Baumer, H Comment A com termin	udrate thi or that do ilures. /Remedy se the foll 0 MHz to 0 - 16.67xl Response SC 72 oward Type mon mod ations. T	s equate es not in 2000 MI LOG10(1 2 2.6.2.6 TR de return his elimi	es to 63% reflection! The corporates reflections w turn loss mask Hz RL<=9 dB /5.16 GHz), 2 GHz<= f< <i>Response Status</i> O <i>P</i> 126	e combination of ti ill cause significar =10.3125 GHz <i>L</i> 28 s designs to use s	# 384 single ended blementation. Common
the ba stress and fa Suggested Proposed RL = 9 Proposed Cl 72 Baumer, H Comment A com termin mode Suggested	udrate thi or that do ilures. <i>Remedy</i> se the foll 0 MHz to 0 - 16.67xl <i>Response</i> <i>SC</i> 72 oward <i>Type</i> mon mod ations. T interferen	s equate es not in 2000 M LOG10(1 e 2.6.2.6 TR de return his elimi ice is alri	es to 63% reflection! The corporates reflections w sturn loss mask Hz RL<=9 dB (5.16 GHz), 2 GHz<= f< <i>Response Status</i> O <i>P</i> 126 Broadcom <i>Comment Status</i> X loss specifications force nates a purely differentia	e combination of ti ill cause significar =10.3125 GHz <i>L</i> 28 s designs to use s	# 384 single ended blementation. Common

Cl	72
SC	72.6.2.6

CI 72 SC 72.6.2.6	P 126	L 30	# 577	CI 72 SC 72.8.5	P 127	L 20	# <u>7</u> 06
ahiasi, Ali	Broadcom			David V James	JGG		
Comment Type TR	Comment Status X			Comment Type ER	Comment Status X		
	mode return loss has been sp nerally speaking the common			DVJ-133 Capitalization within the IEEE Style Guide	a clause or subclause title shou e.	uld be limited to	the first word, as per
SuggestedRemedy				SuggestedRemedy			
from 10 MHz to 2000 N	eturn loss mask for common /Hz RL<=6 dB (f/5.16 GHz), 2 GHz<= f<=10		S	==>	ation Conformance Statement		
	. ,.						
Proposed Response	Response Status O			Proposed Response	Response Status O		
Cl 72 SC 72.8.4 John, D'Ambrosia	P 127	L 8	# 139	Cl 72 SC 72.9 Booth, Brad	P 127 Intel	L 19	# 592
Comment Type ER calls out 1000BASE-KF	<i>Comment Status</i> X R			Comment Type E PICS needs to start	<i>Comment Status</i> X at the top of a new page.		
SuggestedRemedy replace with 10GBASE	-KR			SuggestedRemedy As per comment.			
Proposed Response	Response Status O			Proposed Response	Response Status O		
Cl 72 SC 72.8.5 John, D'Ambrosia	P 127	L 13	# 138	<i>Cl</i> 72 <i>SC</i> 72.9.1 John, D'Ambrosia	P 127	L 28	# <u>1</u> 40
Comment Type ER calls out 1000BASE-KF	Comment Status X			Comment Type ER calls out 10GBASE-	Comment Status X KX4		
SuggestedRemedy replace with 10GBASE	-KR.			SuggestedRemedy replace with 10GBA	SE-KR		
Proposed Response	Response Status 0			Proposed Response	Response Status 0		

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Cl 72 SC 72.9.4.3 Andre, Szczepanek	P 130	L 14	# 119	CI 72 SC Figure 72-4 P 117 L 29 # 558 Grow, Robert Intel
""Changed if all corres	Comment Status X in the PICS for ""update gain e ponding updates fields set to z nary of the referenced text.			Comment Type E Comment Status X As I recall, separate exit transition lines are to be used when exit conditions differ. SuggestedRemedy Split transitions into two lines, also Figure 72-3 at bottom of state diagram.
SuggestedRemedy Should say : ""Only Changed if all c	orresponding updates fields so	et to zero""		Proposed Response Response Status O
Proposed Response	Response Status 0			CI 72 SC Figure 72-5 P 118 L 11 # 369 Baumer, Howard Broadcom
Cl 72 SC 72.9.4.4 Andre, Szczepanek Comment Type E	P 131 Comment Status X	L 43	# 115	Comment Type E Comment Status X Confusing logic tests due to lack of parentheses SuggestedRemedy
Typo in PICS item TC ""falue""				replace "new_coeff >= MAX_LIMIT" with "(new_coeff >= MAX_LIMIT)"; "new_coeff > MIN_LIMIT with "(new_coeff > MIN_LIMIT)"; "new_coeff < MAX_LIMIT with "(new_coeff < MAX_LIMIT)"; and "new_coeff =< MIN_LIMIT with "(new_coeff =< MIN_LIMIT)"
SuggestedRemedy ""value""				Proposed Response Response Status O
Proposed Response	Response Status 0			CI 72 SC Figure 72-9 P 117 L 29 # 559 Grow, Robert Intel
<i>Cl</i> 72 <i>SC</i> Figure 7 Baumer, Howard	2-3 P 116 Broadcom	L 21	# 368	Comment Type E Comment Status X It looks like a capital C is used in Figure but lower case c in definitions.
Comment Type E Repeated good_marke	<i>Comment Status</i> X ers<=0			SuggestedRemedy Make consistent.
SuggestedRemedy Delete one				Proposed Response Response Status O
Proposed Response	Response Status O			

Cl 72 SC Table 72 Grow, Robert	-4 P 110 Intel	L 17	# 555	<i>Cl</i> 73 <i>SC</i> 73.1 Daines, Kevin	P 133	L 18	# 8
Comment Type E Bit identification is usu	<i>Comment Status</i> X ally underlined.				Comment Status X was previously defined as ""Diffe " and uses ""Encoded"". This sh		
SuggestedRemedy underline the ""15"" an	d ""14"". Similar for following	rows and other t	ables.				
Proposed Response	Response Status O			SuggestedRemedy Per comment			
CI 72 SC Table 72 Grow, Robert	-5 <i>P</i> 111 Intel	L 31	# 572	Proposed Response	Response Status O		
conversion for the imp standard only creates	Comment Status X the Bit(s) column, and since lementer if you care to countin an unnecessary probability of by 10 bits (not even a cell bo	ng bits. Including error as in the 14	it though in the	Cl 73 SC 73.1 Dawe, Piers Comment Type E A piece of silicon do	P 133 Agilent Comment Status X besn't understand	L 25	# 532
SuggestedRemedy Delete the bits column	is this and in Table 72-4.			SuggestedRemedy Change 'understand	d' to 'discover'		
Proposed Response	Response Status O			Proposed Response	Response Status O		
<i>Cl</i> 73 <i>SC</i> 73.1 Daines, Kevin	P 133	L 18	# 9	<i>Cl</i> 73 <i>SC</i> 73.1 Baumer, Howard	P 133 Broadcom	L 29	# 386
<i>Comment Type</i> E Suggest replacing ""Di	Comment Status X	ng"" with DME.		Comment Type E Grammar changes	Comment Status X		
SuggestedRemedy Per comment				<i>SuggestedRemedy</i> Change "à in an ord	lered fashion, permits" to "à in a	n orderly fashion	, it permits"
i ei comment							

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

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<i>Cl</i> 73 <i>SC</i> 73.1 Baumer, Howard	P 133 Broadcom	L 30	# 387	CI 73 SC Baumer, Howard	2 73.1	P 133 Broadcom	L 36	# 388
Comment Type E Missing "it"	Comment Status X					Comment Status X tween Clause 73 auto-negotia		
SuggestedRemedy Change "à and allows	à" to "à and it allows à"			transfer info	rmation th	levice is connected to a Claus rough auto-negotiation the Cla bling its Clause 37 auto-negot	use 37 device v	
Proposed Response	Response Status O			SuggestedReme Delete this s				
<i>Cl</i> 73 <i>SC</i> 73.1 Dawe, Piers	P 133 Agilent	L 32	# 533	Proposed Respo	onse	Response Status O		
Comment Type E Long sentence doesn't	<i>Comment Status</i> X t all make sense; not sure quit	e what was inte	nded.	CI 73 SC David V James	73.1	<i>P</i> 133 JGG	L 5	# 707
SuggestedRemedy disabled, and legacy KX4 devices, to be Proposed Response	y devices that can interoperate Response Status O	with 1000BAS	E-KX and 10GBASE-	normal Engl	ish usage	Comment Status X not be capitalized simply beca	use their mean	ing is different from
<i>Cl</i> 73 <i>SC</i> 73.1 Daines, Kevin	P 133	L 36	# [SuggestedReme Introduction ==> introduction	edy			
Comment Type E	Comment Status X	9.		Proposed Respo	onse	Response Status O		
SuggestedRemedy Per comment				CI 73 SC Daines, Kevin	73.1	P 133	L 6	# 13
Proposed Response	Response Status O			specific PH' should be re	Ys, or the seferenced. Sees and Cla Sedy Comment	Comment Status X Ig this project is appropriate in family of PHYs, or the Clauses "802.3ap"" is a convenient sh ause numbers will remain. above. Response Status O	s in which the P	HYs are specified

C/ 73 SC 73.1 King, lain	P 133	L 6	# 16	<i>Cl</i> 73 <i>SC</i> 73.10.4. Claseman, George	2 P 162 Micrel Semico	L 12 onductor	# 46
Comment Type E I had to re-read the f	Comment Status X			Comment Type E ""wiht""	Comment Status X		
sentence says AN is realised the key word	ntradicting itself (I thought the fi mandatory, the second says it i d is 'use' in the second sentence first. I wonder if there is a better	s optional!). I as opposed to)	SuggestedRemedy ""with""			
	minimise the potential for confu			Proposed Response	Response Status O		
SuggestedRemedy							
capabilities is optiona	second sentence to read ""The al, however. Parallel detection s evices that do not support AN."	hall be	′'s AN	<i>Cl</i> 73 <i>SC</i> 73.10.4. Claseman, George	2 P 162 Micrel Semico	L 12 onductor	# 47
Proposed Response	Response Status O			Comment Type E ""suppported""	Comment Status X		
C/ 73 SC 73.1	P 133	L 6	# 562	SuggestedRemedy ""supported""			
Grow, Robert	Intel			Proposed Response	Response Status O		
Comment Type E	Comment Status X				·		
	tion is transitory and goes away	when the ame	endment is merged into				"
the base document.				C/ 73 SC 73.10.4.		L 28	# 250
SuggestedRemedy				Joergensen, Thomas	Vitesse Semi	conducto	
Replace 802.3ap wit	h backplane Ethernet.			Comment Type E	Comment Status X		
Proposed Response	Response Status O			The reference in DT8, with 48.2.4.2.	, column ""Value/Comment"" i	s incorrect. 42.2	.4.2 has to be replaced
	D.100		# [205	SuggestedRemedy			
C/ 73 SC 73.1 Baumer, Howard	P 133 Broadcom	L 7	# 385	Replace 42.2.4.2 with	48.2.4.2.		
				Proposed Response	Response Status 0		
Comment Type TR	Comment Status X						
	function who"s use is optional d devices that don"t support AN in			CI 73 SC 73.10.4.	.3 <i>P</i> 163	L 15	# 39
	ent. Further more there is nothi			Claseman, George	Micrel Semico	-	# 59
SuggestedRemedy Make AN implement	ation optional for all PMA/PMD t	vpes		Comment Type E ""Vaues""	Comment Status X		
				SuggestedRemedy			
Proposed Response	Response Status O			""Values""			

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

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Cl 73 SC 73.10.4.4 P 164 L 14 # 251 Joergensen, Thomas Vitesse Semiconducto Vitesse Semiconducto	CI 73 SC 73.2 P 134 L 1 # 607 Booth, Brad Intel
Comment Type E Comment Status X The reference in RF4, column ""Value/Comment"" should be Figure 73-9 instead of 73-10	Comment Type TR Comment Status X Incorrect figure. The figure is meant to show the placement of AN relative to the other sublayers and the OSI reference model.
SuggestedRemedy Replace 73-10 with 73-9 Proposed Response Response Status O	SuggestedRemedy Delete TBI and XSBI. Ensure PHY bracket on the right completely encompasses from th bottom of AN to the top of the PCS. Unshade the PMDs. Divide AN into three blocks and label each block AN*. Unshade MDI, and place a MDI and MEDIUM under each of the three PHYs.
Cl 73 SC 73.10.4.6 P 165 L 40 # 254 Joergensen, Thomas Vitesse Semiconducto	Proposed Response Response Status O
Comment Type T Comment Status X	CI 73 SC 73.3 P134 L44 # 389
The use of Clause 45 electrical interface should be optional, see other comment from me.	Cl 73 SC 73.3 P 134 L 44 # <u>389</u> Baumer, Howard Broadcom
SuggestedRemedy Replace ""Interface used for logical and electrical access"" with ""Interface used to access the device registers""	
SuggestedRemedy Replace ""Interface used for logical and electrical access"" with ""Interface used to access the device registers"" Proposed Response Response Status	Baumer, Howard Broadcom Comment Type T Comment Status X If the phy types aren"t limited to these then what others are allowed? Any PMA/PMD type added in the future will modify this sentence to include them, therefore "but not limitied to"
SuggestedRemedy Replace ""Interface used for logical and electrical access"" with ""Interface used to access the device registers"" Proposed Response Response Status	Baumer, Howard Broadcom Comment Type T Comment Status X If the phy types aren"t limited to these then what others are allowed? Any PMA/PMD type added in the future will modify this sentence to include them, therefore "but not limitied to" is not needed. SuggestedRemedy
SuggestedRemedy Replace ""Interface used for logical and electrical access" with ""Interface used to access the device registers"" Proposed Response Response Status O CI 73 SC 73.2 P 133 L 40 # 601 Booth, Brad Intel Intel Comment Type ER Comment Status X Incorrect heading. The relationship is not to ISO/IEC 8802-3, it is to the ISO OSI reference model. SO OSI reference	Baumer, Howard Broadcom Comment Type T Comment Status X If the phy types aren"t limited to these then what others are allowed? Any PMA/PMD type added in the future will modify this sentence to include them, therefore "but not limitied to" is not needed. SuggestedRemedy Remove ", but are not limited to,"
SuggestedRemedy Replace ""Interface used for logical and electrical access"" with ""Interface used to access the device registers"" Proposed Response Response Status O CI 73 SC 73.2 P 133 L 40 # 601 Booth, Brad Intel Intel Comment Type ER Comment Status X Incorrect heading. The relationship is not to ISO/IEC 8802-3, it is to the ISO OSI reference model. SuggestedRemedy Change to read: Relationship to the ISO OSI reference model Main Status SuggestedRemedy	Baumer, Howard Broadcom Comment Type T Comment Status X If the phy types aren"t limited to these then what others are allowed? Any PMA/PMD type added in the future will modify this sentence to include them, therefore "but not limitied to" is not needed. SuggestedRemedy Remove ", but are not limited to," Proposed Response Response Status 0 Cl 73 SC 73.4 P 135 L 1 # 535
SuggestedRemedy Replace ""Interface used for logical and electrical access"" with ""Interface used to access the device registers"" Proposed Response Response Status O CI 73 SC 73.2 P 133 L 40 # 601 Booth, Brad Intel Intel Comment Type ER Comment Status X Incorrect heading. The relationship is not to ISO/IEC 8802-3, it is to the ISO OSI reference model. SuggestedRemedy	Baumer, Howard Broadcom Comment Type T Comment Status X If the phy types aren"t limited to these then what others are allowed? Any PMA/PMD type added in the future will modify this sentence to include them, therefore "but not limitied to" is not needed. SuggestedRemedy Remove ", but are not limited to," Proposed Response Response Status O Cl 73 SC 73.4 P 135 L 1 # 535 Dawe, Piers Agilent Comment Type E Comment Status X

Cl 73 SC 73.4

<i>Cl</i> 73 <i>SC</i> 73.4 Dawe, Piers	P 135 Agilent	L 1	# 534	<i>Cl</i> 73 <i>SC</i> 73.5.1.1 Claseman, George	P 135 Micrel Semico	L 35 onductor	# 50
Comment Type E Confusing choice of w	Comment Status X vord if one cares about fiber op	otics.		Comment Type E ""specfied""	Comment Status X		
SuggestedRemedy Change 'multimode' to Similarly in 73.7.6	o multi-ability'. Consider chan	ging 'mode' to 'a	bility' or 'port type'.	SuggestedRemedy ""specified""			
Proposed Response	Response Status 0			Proposed Response	Response Status O		
	<i>P</i> 135 JGG	L 5	# 708	<i>Cl</i> 73 <i>SC</i> 73.5.2 David V James	<i>P</i> 135 JGG	L 38	# 709
Comment Type ER DVJ-135 English words should normal English usage	Comment Status X not be capitalized simply beca	use their meani	ng is different from	Comment Type ER DVJ-136 English words should normal English usage SuggestedRemedy	Comment Status X not be capitalized simply beca	ause their meani	ing is different from
SuggestedRemedy Transmission ==> transmission				Encoding ==> encoding Proposed Response	Response Status O		
Proposed Response	Response Status O			r roposed nesponse			
C/ 73 SC 73.5 Dawe, Piers	P 135	L 8	# 536	C/ 73 SC 73.5.2 Claseman, George	P 135 Micrel Semice	L 47 onductor	# 40
Comment Type T	Agilent <i>Comment Status</i> X urticular, the signaling rate).			Comment Type E ""sychronization"" SuggestedRemedy ""synchronization""	Comment Status X		
Cross-reference to 72 Proposed Response	2.5.10.2.2. Response Status O			Proposed Response	Response Status O		

Cl **73** SC **73.5.2**

<i>Cl</i> 73 <i>SC</i> 73.5.2 McClellan, Brett	P 136 Solarflare	L 1	# 288	<i>Cl</i> 73 <i>SC</i> 73.5.2 David V James	<i>P</i> 136 JGG	L 20	# <u>7</u> 11
	Comment Status X what is being referenced in 48. om source be explicitly defined				Comment Status X figure callouts should be limite ays applies, regardless of whet		
,	andom source in this clause. Response Status O			SuggestedRemedy First Bit on Wire ==> First bit on wire			
C/ 73 SC 73.5.2 Baumer, Howard	P 136 Broadcom	L 1	# 390	Proposed Response	Response Status O		
Comment Type E Reference not specific	<i>Comment Status</i> X c enough			CI 73 SC 73.5.3 David V James	<i>P</i> 136 JGG	L 30	# 712
SuggestedRemedy Change "à defined in Proposed Response	48.2.4.2." to "à defined in Figu Response Status O	re 48-5 in 48.2.4	4.2."	Comment Type ER DVJ-139 English words shoul normal English usag	Comment Status X d not be capitalized simply bec le.	ause their meani	ng is different from
73 SC 73.5.2 avid V James	<i>P</i> 136 JGG	L 14	# [710	SuggestedRemedy Timing ==> timing			
	Comment Status X igure callouts should be limited vs applies, regardless of wheth			Proposed Response	Response Status O		
SuggestedRemedy	ys applies, regardless or when	ier the callout is	spin into multiple intes.	<i>Cl</i> 73 <i>SC</i> 73.5.3 Baumer, Howard	P 137 Broadcom	L 11	# 392
Clock Transitions ==> Clock transitions				<i>Comment Type</i> T Why is T3 looser tha	Comment Status X an T1? Per T1 T3 will always b	e met.	
Proposed Response	Response Status O			<i>SuggestedRemedy</i> Make T3 = T1			
				Proposed Response	Response Status O		

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Cl 73
SC 73.5.3
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the second s							
Cl 73 SC 73.5.3 Baumer, Howard	P 137 Broadcom	L 15	# 393	<i>Cl</i> 73 <i>SC</i> 73.5.3 McClellan, Brett	P 137 Solarflare	L 7	# 289
Comment Type T T5 will always be met SuggestedRemedy Make T5 = 339.2 +/- 1 Proposed Response	Comment Status X if T1 is met so just make T5 = .06% Response Status O	339.2 +/- 1.06%		Comment Type T In Table 73-2, it appears th T1 is supposed to be the a this is not explicity stated. SuggestedRemedy Clarify the difference between	average period while T2 ar	nd T3 allow for ir	
CI 73 SC 73.5.3	P 137	L 17	# 394	Proposed Response F	Response Status O		
SuggestedRemedy Make T6 = 12.8 +/- 0.1	Broadcom <i>Comment Status</i> X if T1 is met so just make T6 = 04%	12.8 +/- 0.04%		Cl 73 SC 73.5.3 Baumer, Howard Comment Type T T2 will always be met if T1 SuggestedRemedy	P 137 Broadcom Comment Status X is met so why not make T	L 9 Γ2 = 6.4 +/- 0.02	# <u>391</u> %?
Proposed Response Cl 73 SC 73.5.3	Response Status 0	<i>L</i> 6	# 714	Make T2 = 6.4 +/- 0.02% Proposed Response	Response Status O		
David V James Comment Type ER DVJ-141 Nonstandard table line	JGG Comment Status X	-•	" [<u>1</u> ++	Cl 73 SC 73.5.3.1 Ganga, llango Comment Type E	P 137 Intel Comment Status X	L 40	# <mark>6</mark> 17
SuggestedRemedy ==> very thin in center	er and body			In figure 73-4 missing bit c <i>SuggestedRemedy</i> In figure 73-4 Change mis:	ç ,		

Cl 73 SC 73.5.3.1

<i>Cl</i> 73 <i>SC</i> 73.6 David V James	<i>P</i> 137 JGG	L 47	# 713	CI 73 SC 73.6 P 138 L 26 # 620 Ganga, Ilango Intel
Comment Type ER DVJ-140 English words should r normal English usage.	Comment Status X	use their meanir	ng is different from	Comment Type E Comment Status X Delete line 26 ""Pause capability resolution is referenced in 28B.3"". This information not relevant here it is already specified in section 73.6.5 Pause
SuggestedRemedy Encoding ==> encoding				SuggestedRemedyDelete line 26 ""Pause capability resolution is referenced in 28B.3"".Proposed ResponseResponse StatusO
Proposed Response	Response Status O			Cl 73 SC 73.6.1 P 138 L 34 # 780 Beck, Michael Alcatel Bell n.v. P 138 P 1
CI 73 SC 73.6 Ganga, Ilango Comment Type E	P 138 Intel Comment Status X	L 22	# 618	Comment Type E Comment Status X Current text reads: ""The selector field for 802.3 Backplane Ethernet is the following:""
• •	emaining capability bits are re-	served."" to reac	l as ""The remaining	This is not a good idea, as tables may float away from their original position in the text when final lay-out is done.
SuggestedRemedy Change line 22 ""The r capability bit C[2] is re:	remaining capability bits are re served.""	eserved."" to rear	d as ""The remaining	SuggestedRemedy Replace quoted text with: ""The selector field for 802.3 Backplane Ethernet is shown in Table 73-3.""
Proposed Response	Response Status O			Proposed Response Response Status O
<i>Cl</i> 73 <i>SC</i> 73.6 McClellan, Brett	P 138 Solarflare	L 25	# 279	Cl 73 SC 73.6.2 P 138 L 45 # 18
Use ""defined"" instead	Comment Status X olution is referenced in 28B.3" d of ""referenced.			Comment Type E Comment Status X In the UK there is an alternative meaning to the word 'nonce' that may raise a few eyebrows when this standard is read (see http://www.missingimages.com/thesweeney/dictionary.html). It is unlikely, though, that there will be much chance of confusion, given the target audience.
change lext to. Faust	, ,			On a more serious note, this term is not defined in section 1.

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CI 73
SC 73.6.2
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C/ 73 SC 73.6.3 AcClellan, Brett	<i>P</i> 139 Solarflare	L 4	# 280	<i>CI</i> 73 <i>SC</i> 73.6.4 David V James	<i>P</i> 139 JGG	L 20	# 717
Comment Type E typo	Comment Status X			Comment Type ER DVJ-144 Nonstandard table line w	Comment Status X		
SuggestedRemedy	- t			SuggestedRemedy			
change ""enrty"" to ""er	,			==> very thin in center			
Proposed Response	Response Status O			==> thin on edges of hea	ader and body		
				Proposed Response	Response Status 0		
CI 73 SC 73.6.3	P 139	L 4	# 238				
Dudek, Mike	Picolight			CI 73 SC 73.6.4	P 139	L 30	# 395
Comment Type E	Comment Status X			Baumer, Howard	Broadcom		
spelling				Comment Type E	Comment Status X		
SuggestedRemedy				Resolve TBD			
Change enrty to entry				SuggestedRemedy			
Proposed Response	Response Status O			Remove "/TBD could be	used either"		
				Proposed Response	Response Status O		
CI 73 SC 73.6.4	P 139	L 17	# 718				
David V James	JGG			CI 73 SC 73.6.4	P 139	L 31	# 283
Comment Type ER	Comment Status X			McClellan, Brett	Solarflare		
DVJ-145 English words should r normal English usage.	not be capitalized simply beca	ause their meani	ng is different from		<i>Comment Status</i> X Reserved/TBD could be use ackplane Ethernet or additic		
SuggestedRemedy Encoding				802.3ap Backplane Ethe		na parametere	to be negetiated for
==> encoding					en removed going into draft eserved and TBD and used		arameters.
encounty							
Proposed Response	Response Status O			SuggestedRemedy			
-	Response Status O				lds A[26:3] are Reserved.""		

Cl 73 SC 73.6.4

Cl 73 SC 73.6.4 Baumer, Howard	P 139 Broadcom	L 36	# 396	<i>Cl</i> 73 <i>SC</i> 73.6.7 Baumer, Howard	P 140 Broadcom	L 9	# <u>3</u> 97
Comment Type E Case correction	Comment Status X			Comment Type E Redundant word	Comment Status X		
SuggestedRemedy				SuggestedRemedy			
Change "à (C0:C1) is à"	encoded in bit D11:D10 à" to	"à (C0:C1) are e	ncoded in bits D11:D10	Change "à encoded ir the Link Code Word."	n bit D14 of Link Code Word enc	coding." to "à o	encoded in bit D14 of
Proposed Response	Response Status 0			Proposed Response	Response Status O		
C/ 73 SC 73.6.5 Daines, Kevin	P 139	L 39	# 2	<i>Cl</i> 73 <i>SC</i> 73.6.8 Baumer, Howard	P 140 Broadcom	L 23	# 398
Comment Type E ""Clause 28B"" should	Comment Status X I be ""Annex 28B""			Comment Type E Redundant word	Comment Status X		
SuggestedRemedy see comment				SuggestedRemedy Change "à encoded ir the Link Code Word."	n bit D15 of Link Code Word end	oding." to "à c	encoded in bit D15 of
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 73 SC 73.6.5 Daines, Kevin	P 139	L 42	# 3	<i>Cl</i> 73 <i>SC</i> 73.7.1 Baumer, Howard	P 141 Broadcom	L 1	# 399
Comment Type E ""Clause 28B.2"" shou	Comment Status X Ild be ""Annex 28B.2""			<i>Comment Type</i> TR Is this a recommenda	Comment Status X tion or should this be a "shall"?		
SuggestedRemedy see comment				SuggestedRemedy If this is a requiremen	t then change "should" to "shall"	,	
Proposed Response	Response Status O			Proposed Response	Response Status O		

CI 73 SC 73.7.1

CI 73 SC 73.7.1				-			
Baumer, Howard	P 141 Broadcom	L 3	# 400	<i>Cl</i> 73 <i>SC</i> 73.7.4.1 Joergensen, Thomas	P 141 Vitesse Semi	L 34 iconducto	# 249
Comment Type TR Is this a recommendation	Comment Status X on or should this be a "shall"?			Comment Type E Duplicate text	Comment Status X		
SuggestedRemedy If this is a requirement	then change "should" to "shall"			SuggestedRemedy Remove the following) text starting on line 34: ""to a	llow 1000BASE-ł	(X, 10GBASE-KX4 and
Proposed Response	Response Status O			10GBASE-KR device Proposed Response	s that have Auto-Negotiation of Response Status O	disabled""	
C/ 73 SC 73.7.4 Marris, Arthur	P 141	L 23	# 36	C/ 73 SC 73.7.4.1		L 2	# 622
Comment Type E Change ""discribed"" to SuggestedRemedy	Comment Status X			Ganga, Ilango Comment Type ER incorrect register des in the AN Status regis	Intel Comment Status X cription on line 2. The line 2 s ster""	should read as fol	lows, ""bit (45.2.7.2.3)
Change ""discribed"" to Proposed Response	o ""described"". <i>Response Status</i> O			SuggestedRemedy Correct page 142, line	e 2 to read as follows, ""bit (45	5.2.7.2.3) in the A	N Status register""
C/ 73 SC 73.7.4.1	P 141	L 34	# 619	Proposed Response	Response Status O	,	, and the second s
Ganga, Ilango Comment Type E	Intel Comment Status X	L 34	# <u>019</u>	Cl 73 SC 73.7.6 Dawe, Piers	P 135 Agilent	L 47	# 537
	ation on line 34 nstruct from lines 34-35, ""to al GBASE-KR devices that have			Comment Type T You can't put a 'shall' SuggestedRemedy If you mean it, make	Comment Status X in one of these NOTEs, they a it into regular text.	are informative.	
Proposed Response	Response Status O			Proposed Response	Response Status O		

Cl 73 SC 73.7.6

C/ 73 SC 73.7.6 Dawe, Piers	P 135 Agilent	L 47	# 538	<i>Cl</i> 73 <i>SC</i> 73.7.6 David V James	<i>P</i> 142 JGG	L 32	# <u>7</u> 19
Comment Type T Can't parse 'Clause 7 spell out 'negotiation'	Comment Status X 3 Auto-Neg(management function	n shall use M	MD7) function.' Should	Comment Type ER DVJ-146 Nonstandard table li	Comment Status X		
SuggestedRemedy ? Proposed Response	Response Status O			SuggestedRemedy ==> very thin in cent ==> thin on edges o			
				Proposed Response	Response Status O		
<i>Cl</i> 73 <i>SC</i> 73.7.6 Beck, Michael	P 142 Alcatel Bell n.v.	L 24	# 781	<i>Cl</i> 73 <i>SC</i> 73.7.7 Baumer, Howard	P 143 Broadcom	L 23	# 401
Comment Type E The current text conta	Comment Status X ins the phrase ""the highest prior	ity as defined	below"".	Comment Type E Missing "be"	Comment Status X		
This is not a good ide when final lay-out is d	a, as tables may float away from one.	their original	position in the text	SuggestedRemedy	an transmitted à" to "à Codes can l	he transmitted à"	
SuggestedRemedy				-			
Replace quoted text v ""the highest priority a	vith: is defined in Table 73-5""			Proposed Response	Response Status O		
Proposed Response	Response Status O			<i>Cl</i> 73 <i>SC</i> 73.7.7 Dudek, Mike	P 143 Picolight	L 24	# 239
<i>Cl</i> 73 <i>SC</i> 73.7.6 David V James	<i>P</i> 142 JGG	L 29	# 720	Comment Type E incorrect grammar	Comment Status X		
Comment Type ER DVJ-147	Comment Status X			SuggestedRemedy Change ""Can trans	mitted"" to ""Can be transmitted""		
Capitalization within a the IEEE Style Guide.	clause or subclause title should	be limited to t	the first word, as per	Proposed Response	Response Status O		
SuggestedRemedy Priority Resolution							
==> Priority resolution							
Proposed Response	Response Status O						

<i>Cl</i> 73 <i>SC</i> 73.7.7. Claseman, George	P 143 Micrel Semico	L 24 onductor	# 51	Cl 73 SC 73.8 Dawe, Piers	P 145 Agilent	L 46	# 541
Comment Type E ""can transmitted""	Comment Status X			Comment Type T Variable name, last re	Comment Status X ow of table 73-6, seems wrong.		
SuggestedRemedy ""can be transmitted""				SuggestedRemedy ?			
Proposed Response	Response Status O			Proposed Response	Response Status O		
<i>Cl</i> 73 <i>SC</i> 73.8 Dawe, Piers	P 145 Agilent	L 4	# 539	Cl 73 SC 73.8 Dawe, Piers	P 145 Agilent	L 8	# 540
	use 45 Management Data Inpo 45.1, 'The MDIO electrical inte			Management SuggestedRemedy			
Change to 'may be use	ed', 'may conveniently be used Response Status 0	d', 'is recommen	nded' or similar.	management Proposed Response	Response Status O		
Proposed Response	Response Status O	L 4	nded' or similar. # [<u>253</u>	5	Response Status O P 145 Alcatel Bell n.v	L 10	# [<u>782</u>
Change to 'may be use Proposed Response Cl 73 SC 73.8 Joergensen, Thomas Comment Type T The electrical part of th is written here it require	Response Status O	L 4 conducto nent interface sh	# 2 <u>53</u> nould be optional. As it	Cl 73 SC 73.8.1 Beck, Michael Comment Type E Table 73-6 is not cite 2005 edition of the St	P 145	longer manda to do so, espe	tory (a novelty in the ecially considering the
Change to 'may be use Proposed Response Cl 73 SC 73.8 loergensen, Thomas Comment Type T The electrical part of th is written here it require SuggestedRemedy Change the sentence to interface shall be used	Response Status O P 145 Vitesse Semic Comment Status X he Clause 45 MDIO managem res the electrical interface to be to read: ""The clause 45 Mana d to access the device register	L 4 conducto nent interface sh e present (there agement Data In	# 253 hould be optional. As it is a ""shall""). hput/Output (MDIO)	Cl 73 SC 73.8.1 Beck, Michael Comment Type E Table 73-6 is not cite 2005 edition of the St fact that tables can file	P 145 Alcatel Bell n.v <i>Comment Status</i> X d in the text. Although this is no tyle Guide), it is still a good idea oat away from their original posi	longer manda to do so, espe	tory (a novelty in the ecially considering the
Change to 'may be use Proposed Response Cl 73 SC 73.8 Joergensen, Thomas Comment Type T The electrical part of th is written here it require SuggestedRemedy Change the sentence to interface shall be used Management purposes and add: ""The MDIO of	Response Status O P 145 Vitesse Semic Comment Status X he Clause 45 MDIO managem res the electrical interface to be to read: ""The clause 45 Mana d to access the device register	L 4 conducto nent interface sh e present (there agement Data In 's for Auto-Nego Where no phys	# 253 hould be optional. As it is a ""shall""). hput/Output (MDIO) tiation and other ical embodiment of the	Cl 73 SC 73.8.1 Beck, Michael Comment Type E Table 73-6 is not cite 2005 edition of the St fact that tables can flu is altered. SuggestedRemedy	P 145 Alcatel Bell n.v <i>Comment Status</i> X d in the text. Although this is no tyle Guide), it is still a good idea oat away from their original posi	longer manda to do so, espe	tory (a novelty in the ecially considering the

CI **73** SC **73.8.1**

<i>Cl</i> 73 <i>SC</i> 73.8.1 Baumer, Howard	P 145 Broadcom	L 18	# 402	<i>Cl</i> 73 <i>SC</i> 73.9.1 Claseman, George	P148 Micrel Semico	L 38 onductor	# 52
Comment Type T Wrong register referen	<i>Comment Status</i> X ce			Comment Type E ""Mancehster""	Comment Status X		
SuggestedRemedy Change "6.16.15:0" to	"7.16.15:0"			SuggestedRemedy ""Manchester""			
Proposed Response	Response Status O			Proposed Response	Response Status O		
<i>Cl</i> 73 <i>SC</i> 73.8.1 David V James	<i>P</i> 145 JGG	L 18	# 721	<i>Cl</i> 73 <i>SC</i> 73.9.1 King, lain	P 148	L 38	# 17
Comment Type ER DVJ-148 Nonstandard table line	Comment Status X widths			Comment Type E Typo 'Mancehster' SuggestedRemedy	Comment Status X		
SuggestedRemedy ==> very thin in center ==> thin on edges of h				Change to 'Mancheste Proposed Response	r' Response Status O		
Proposed Response	Response Status O						
CI 73 SC 73.8.1	P 145	L 19	# 37	<i>Cl</i> 73 <i>SC</i> 73.9.1 Claseman, George	P 150 Micrel Semico	L 19 onductor	# 41
Marris, Arthur			<i>"</i>	Comment Type E	Comment Status X		
Comment Type T	Comment Status X			""Auto-Negotiaion""			
The MMD should be 7	rather than 6.			SuggestedRemedy			
SuggestedRemedy	16 15:0			""Auto-Negotiation"" Proposed Response	Response Status O		
Change 6.16.15:0 to 7.	Rosponso Status						

Proposed Response Response Status 0

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

CI 73 SC 73.9.1 Page 128 of 135 9/2/2005 2:33:11 PM

Cl 73 SC 73.9.1 P 151 L 19 # 53 Claseman, George Micrel Semiconductor Micrel Semiconductor Comment Type E Comment Status X Comment Type E Comment Status X The data_det_min_timer has a range of 1.4ns but the data_detect_max_tim range of 0.8ns. Making these ranges the same, 1.4ns, allows for implement the KX baud time. SuggestedRemedy ""a DME page"" SuggestedRemedy Make the data_detect_max_timer range 3.4-4.8ns as in table 73-7. Proposed Response Response Status O Proposed Response Response Status O	# 43		L 54	P 152	SC 73.9.2	CI 73	# 403		L 38	P 150	73.9.1	SC	CI 73
The transmitted nonce from the link partner is highly unlikely to match the transmitted nonce of the local device. Section 73.6.2 discusses an echoed nonce field that is intended to match the transmitted nonce field. SuggestedRemedy Change "a the transmitted nonce received à" to "à the echoed nonce received à" Proposed Response Response Status O CI 73 SC 73.9.1 P 151 L 19 # 53 Claseman, George Micrel Semiconductor Comment Type E Comment Status X ""a DME page" SuggestedRemedy ""a DME page" CI 73 SC 73.9.2 P 152 L 53 # 42 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 152 L 53 # 42 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Comment Type E Comment Status X			conductor	Micrel Semi	George	Claseman				Broadcom	k	er, Howard	Baum
to match the transmitted nonce field. SuggestedRemedy Change "a the transmitted nonce received à" to "a the echoed nonce received à" Proposed Response Response Status O Cl 73 SC 73.9.1 P 151 L 19 # 53 Claseman, George Micrel Semiconductor Comment Type E Comment Status X ""an DME page"' SuggestedRemedy ""a DME page"' SuggestedRemedy ""a DME page"' Proposed Response Response Status O Cl 73 SC 73.9.2 P 152 L 53 # 42 Cl 73 SC 73.9.2 P 153 L 15 Baumer, Howard Broadcom Comment Type T Comment Status X The data_det_min_timer has a range of 1.4ns but the data_detect_max_timer range of 0.8ns. Making these ranges the same, 1.4ns, allows for implement the KX baud time. SuggestedRemedy ""a DME page"' Cl 73 SC 73.9.2 P 152 L 53 # 42 Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Comment Type E Comment Status X Cl 73 SC 73.9.2 P 152 L 53 # 42 Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Comment Type E Comment Status X				Comment Status X	51					the link partner is high	tted nonce f	he transmi	TI
SuggestedRemedy Change "à the transmitted nonce received à" to "à the echoed nonce received à" Proposed Response Response Status O Cl 73 SC 73.9.1 P 151 L 19 # 53 Cl aseman, George Micrel Semiconductor # 53 Comment Type T Comment Status X Comment Type E Comment Status X The data_det_min_timer has a range of 1.4ns but the data_detect_max_timer range of 0.8ns. Making these ranges the same, 1.4ns, allows for implement the KX baud time. SuggestedRemedy ""a DME page" SuggestedRemedy Make the data_detect_max_timer range 3.4-4.8ns as in table 73-7. Proposed Response Response Status O Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor # 42 Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor # 42 Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor # 42 Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Cl 73 SC 73.9.2 P 153 L 45 Claseman, George <td></td> <td></td> <td></td> <td></td> <td>IRemedy</td> <td>00</td> <td>e field that is intended</td> <td>once f</td> <td>s an echoed no</td> <td></td> <td></td> <td></td> <td></td>					IRemedy	00	e field that is intended	once f	s an echoed no				
Cl 73 SC 73.9.1 P 151 L 19 # 53 Cl aseman, George Micrel Semiconductor Baumer, Howard Broadcom Comment Type E Comment Status X The data_det_min_timer has a range of 1.4ns but the data_detect_max_timer range of 0.8ns. Making these ranges the same, 1.4ns, allows for implement the KX baud time. SuggestedRemedy ""a DME page"" ""a DME page"" P 152 L 53 Proposed Response Response Status O Cl 73 SC 73.9.2 P 152 Cl 73 SC 73.9.2 P 153 Cl 73				Response Status O	Response		received à"	nce re	the echoed nor	nonce received à" to "à	,		00
CI 73 SC 73.9.1 P151 L 19 # 53 Claseman, George Micrel Semiconductor # 53 Comment Type E Comment Status X ""an DME page"" Comment Status X The data_det_min_timer has a range of 1.4ns but the data_detect_max_tim range of 0.8ns. Making these ranges the same, 1.4ns, allows for implement the KX baud time. SuggestedRemedy ""a DME page"" SuggestedRemedy ""a DME page"" Proposed Response Response Status O CI 73 SC 73.9.2 P 152 L 53 # 42 Claseman, George Micrel Semiconductor # 42 Claseman, George Micrel Semiconductor Comment Type E Comment Status X # 42 Claseman, George Micrel Semiconductor										esponse Status O	onse	osed Respo	Propo
Claseman, George Micrel Semiconductor Comment Type E Comment Status X ""an DME page"" Comment Status X The data det_min_timer has a range of 1.4ns but the data_detect_max_timer range of 0.8ns. Making these ranges the same, 1.4ns, allows for implement the KX baud time. SuggestedRemedy ""a DME page"" Make the data_detect_max_timer range 3.4-4.8ns as in table 73-7. Proposed Response Response Status O O Cl 73 SC 73.9.2 P 152 L 53 # 42 Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Micrel Semiconductor Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Micrel Semiconductor Comment Type E Comment Status X	# 404		L 15			-	# 53		/ 19	P 151	7391	SC	CL 73
Comment Type E Comment Status X ""an DME page"" SuggestedRemedy range of 0.8ns. Making these ranges the same, 1.4ns, allows for implement the KX baud time. SuggestedRemedy ""a DME page"" SuggestedRemedy ""a DME page"" Make the data_detect_max_timer range 3.4-4.8ns as in table 73-7. Proposed Response Response Status O Cl 73 SC 73.9.2 P 152 L 53 # 42 Cl 73 SC 73.9.2 P 152 L 53 # 42 Cl 73 SC 73.9.2 P 152 L 53 # 42 Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Claseman, George Micrel Semiconductor Comment Type E Comment Status X Comment Type				Comment Status X	Туре Т	Comment	<i>"</i> 55						
""a DME page"" Make the data_detect_max_timer range 3.4-4.8ns as in table 73-7. Proposed Response Response Status O Cl 73 SC 73.9.2 P 152 L 53 # 42 Cl 73 SC 73.9.2 P 152 L 53 # 42 Claseman, George Micrel Semiconductor Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Claseman, George Micrel Semiconductor Claseman, George Micrel Semiconductor Comment Type E Comment Status X Comment Type E Comment Status X					of 0.8ns. Making	range				comment Status X			
CI 73 SC 73.9.2 P 152 L 53 # 42 CI 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Cl 73 SC 73.9.2 P 153 L 45 Claseman, George Micrel Semiconductor Cl 73 SC 73.9.2 P 153 L 45 Comment Type E Comment Status X Comment Type E Comment Status X		73-7.	as in table 73	_max_timer range 3.4-4.8ns	,	00					,		00
Claseman, George Micrel Semiconductor Claseman, George Micrel Semiconductor Comment Type E Comment Status X Comment Type E Comment Status X				Response Status O	Response	Proposed				esponse Status O	onse	osed Respo	Propo
	# 54						# 42						
				Comment Status X	21					comment Status X	E		
SuggestedRemedy SuggestedRemedy ""or"" ""with the""						00					edy		00
Proposed Response Response Status O Proposed Response Response Status O				Response Status O	Response	Proposed				esponse Status O	onse	sed Respo	Propo

Cl 73 SC 73.9.2

<i>Cl</i> 73 <i>SC</i> 73.9.2 Claseman, George	P 154 Micrel Semico	L 43 onductor	# 59	<i>Cl</i> 73 <i>SC</i> 73.9. 4 Healey, Adam	.1	P 155	L 8	# 99
Comment Type T Value = 0 is not stated SuggestedRemedy ? Proposed Response	Comment Status X d. This would seem to be inclu Response Status O	ided in the not_c	done condition.	primitives. Unfortucional clause 48 (10GBAS	endent interfac nately, these pri E-X), or clause p-negotation fur	imitives are not d 51 (10GBASE-F nction is rendered	efined in the cla R/W) PMAs. Thi I unusable since	and PMA_LINK.request use 36 (1000BASE-X), s interface definition is it has no means to
Cl 73 SC 73.9.2 David V James Comment Type ER DVJ-149	P 154 JGG <i>Comment Status</i> X	L 8	# 722	primitives (PCS, P) -or- 2. The PMA_LINK.	IA, or PMD)	MA_LINK.request	primitives need	rms of existing services to be added to the respect to those
Nonstandard table line SuggestedRemedy ==> very thin in cente	r			primitives must be Option #1 is preferr	lefined. ed if it proves to	o be feasible. Otl	nerwise, major v	vork will have to be
Nonstandard table line SuggestedRemedy ==> very thin in cente ==> thin on edges of t	r			primitives must be	lefined. ed if it proves to perhaps create	o be feasible. Otl	nerwise, major v	vork will have to be
Nonstandard table line SuggestedRemedy ==> very thin in cente ==> thin on edges of the Proposed Response Cl 73 SC 73.9.4 Booth, Brad Comment Type ER The TDI is located in the	r neader and body	L 1	# 602	primitives must be Option #1 is preferr done to amend (or	lefined. ed if it proves to perhaps create <i>Response</i> .1.1 <i>Commer</i>	o be feasible. Otl backplane specif <i>e Status</i> O <i>P</i> 155 Broadcom <i>nt Status</i> X	nerwise, major v ic versions of) th <i>L</i> 20	work will have to be he PMA sublayers. # 405
Nonstandard table line SuggestedRemedy ==> very thin in cente ==> thin on edges of I Proposed Response Cl 73 SC 73.9.4 Booth, Brad Comment Type ER The TDI is located in t and diagrams. SuggestedRemedy	r header and body <i>Response Status</i> O <i>P</i> 155 Intel <i>Comment Status</i> X	iddle of the state	e machine variables	primitives must be Option #1 is preferr done to amend (or <i>Proposed Response</i> <i>CI</i> 73 <i>SC</i> 73.9.4 Baumer, Howard <i>Comment Type</i> T	lefined. ed if it proves to perhaps create <i>Response</i> .1.1 <i>Commer</i> lication and PM or delete "REAI	o be feasible. Otl backplane specif <i>e Status</i> O <i>P</i> 155 Broadcom <i>nt Status</i> X IA_UNITDATA.in DY, the PMA_CA	herwise, major v ic versions of) th <i>L</i> 20 dication are und .RRIER.indicatic	vork will have to be ne PMA sublayers. # <u>405</u> efinded

Cl 73 SC 73.9.4.1.1 Page 130 of 135 9/2/2005 2:33:11 PM

<i>Cl</i> 73 <i>SC</i> 73.9.4. Baumer, Howard	2.1 <i>P</i> 155 Broadcom	L 42	# 406	<i>Cl</i> 73 <i>SC</i> 73.9.5 Claseman, George	P 158 Micrel Semico	L onductor	# 56
Comment Type T SCAN_FOR_CARRI SuggestedRemedy	Comment Status X ER mode is undefined				<i>Comment Status</i> X s no definition of page_test_m est_max_timer=done / !done.	ax_timer_done	e / _not_done. Perhaps
,	FOR_CARRIER mode of delte	this value and it	s description	SuggestedRemedy			
Proposed Response	Response Status O			?			
				Proposed Response	Response Status O		
<i>Cl</i> 73 <i>SC</i> 73.9.4. Baumer, Howard	2.3 <i>P</i> 156 Broadcom	L 13	# 407	<i>Cl</i> 73 <i>SC</i> 73.9.5 Claseman, George	P 158 Micrel Semico	L	# 57
Comment Type T	Comment Status X			Comment Type T	Comment Status X		
SuggestedRemedy	tion is not defined for any of the		+, ND.		s no definition of clock_detect_ detect_min_timer=done / !done		ne / _not_done. Perhaps
Define the link integr Proposed Response	Response Status O			SuggestedRemedy ?			
roposed nesponse				؛ Proposed Response	Response Status O		
<i>Cl</i> 73 <i>SC</i> 73.9.5 Claseman, George	P 157 Micrel Semico	L 40	# 55				
Comment Type T	Comment Status X	nuuctor		<i>Cl</i> 73 <i>SC</i> 73.9.5 Claseman, George	P 158 Micrel Semico	L	# 38
51	of interval_timer_done. Perhap	s this should be	e interval_timer=done.	Comment Type T	Comment Status X		
SuggestedRemedy ?				Multipel lines: There is	s no definition of page_test_m est_min_timer=done / !done.	in_timer_done	/ _not_done. Perhaps
Proposed Response	Response Status 0			SuggestedRemedy ?			
<i>Cl</i> 73 <i>SC</i> 73.9.5 Dawe, Piers	P 157 Agilent	L 5	# 544	Proposed Response	Response Status O		
<i>Comment Type</i> E There's room to mak	Comment Status X e the font in figure 73-8 more re	adable.					
0							
SuggestedRemedy Please make the fon	t in figure 73-8 bigger.						

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

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CI 73 SC 73.9.5 P 158 L # 44 Claseman, George Micrel Semiconductor	C/ 73 SC Figure P 159 L 1 # 11 Daines, Kevin
Comment Type E Comment Status X multipel lines: Some text is covered by connecting arrows.	Comment TypeERComment StatusXEntries to states should be from the top rather than the bottom or side.Exits from states should be from the bottom rather than the top or side.
SuggestedRemedy Reposition as needed. Proposed Response Response Status O	SuggestedRemedy Per comment
	Consider aliases to help with space constraints.
Cl 73 SC 73.9.5 P 158 L # 45 Claseman, George Micrel Semiconductor	Proposed Response Response Status O
Comment Type E Comment Status X Multipel lines: ""start_clock_detect_min_timer"", ""start_clock_detect_max_timer""	C/ 73SC Figure 73-10P 159L 38# 252Joergensen, ThomasVitesse Semiconducto
SuggestedRemedy ""Start clock_detect_min_timer"", ""Start clock_detect_max_timer""	Comment Type T Comment Status X Signal an_good is not defined, has to be replaced by an_link_good.
Proposed Response Response Status O	SuggestedRemedy Replace an_good with an_link_good.
CI 73 SC 73.9.5 P 158 L # 58 Claseman, George Micrel Semiconductor	Proposed Response Response Status O
Comment Type T Comment Status X Multipel lines: There is no definition of clock_detect_max_timer_done / _not_done.	C/ 73 SC Figure 73-10 P 159 L 44 # 408 Baumer, Howard Broadcom
Perhaps this should be clock_detect_max_timer=done / !done. SuggestedRemedy	Comment Type E Comment Status X ability_match_wordability_match is not defined nor is it used anywhere.
? Proposed Response Response Status O	SuggestedRemedy Either define ability_match_wordability_match or delete it or if it is actually ability_match then replace it with ability_match
	Proposed Response Response Status O

Cl **73** SC Figure 73-10

<i>Cl</i> 73 <i>SC</i> Figure 73-8 Daines, Kevin	B P 157	L 21	# 10	<i>Cl</i> 99 <i>SC</i> 30 Booth, Brad	P 14 Intel	L 35	# 594
	Comment Status X be from the top rather than t be from the bottom rather th			Comment Type E Place each clause a SuggestedRemedy As per comment. Proposed Response	Comment Status X nd annex heading at the start of Response Status 0	f a new page to	improve readability.
Proposed Response	Response Status O			Fioposed nesponse			
C/ 73A SC 73A	P 169	L1	# 608	<i>Cl</i> 99 <i>SC</i> 31B David V James	Р 60 JGG	L 13	# 659
Booth, Brad Comment Type TR Incorrect format for anne: the annex.	Intel Comment Status X x heading as information is	missing about th	e normative nature of	Comment Type ER DVJ-48 Capitalization within the IEEE Style Guide	Comment Status X a clause or subclause title sho	uld be limited to	the first word, as per
SuggestedRemedy Heading format should be Annex 73A (normative) Next page message code				SuggestedRemedy Round-Trip Delay Co ==> Round-trip delay cor Proposed Response			
1 0 0	Response Status O			<i>Cl</i> 99 <i>SC</i> 99 Booth, Brad	P Intel	L	# 591
CI 73A SC 73A Baumer, Howard Comment Type T	P 169 Broadcom Comment Status X	L 2	# 409	Comment Type E Clause and subclaus acronyms.	Comment Status X se naming should use lowercas	e after the first v	vord, except for
An equivalent table toTab	ble 28C-1 needs to be creat Clause 73 message codes a		ause 28 message	SuggestedRemedy Check capitalization	and fix.		
SuggestedRemedy Add in equivalent table to	Table 28C-1 and update a	l succeeding de	scritptions	Proposed Response	Response Status O		
Proposed Response	Response Status O						

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<i>Cl</i> 99 <i>SC</i> 99 Booth, Brad	P Intel	L	# 586	<i>Cl</i> 99 <i>SC</i> 99 Grow, Robert	P 1 Intel	L 30	# <u>1</u> 91
Comment Type E Editing instructions se	Comment Status X eem to be indented or centered	d.		Comment Type E Title page needs to be u	<i>Comment Status</i> X pdated.		
SuggestedRemedy Editing instructions sl Proposed Response	hould be left justified with no in <i>Response Status</i> O	ident.		2. Add keywords	editor approved format (a s slightly different copyright <i>Response Status</i> O		à Chair)
C/ 99 SC 99 Grow, Robert	P 1 Intel	L 10	# 192	Cl 99 SC 99	P1	L 31	# 452
<i>Comment Type</i> E This is not a revision.	Comment Status X			Dawe, Piers Comment Type E	Agilent		
SuggestedRemedy Change ""Revision""	to ""Amendment"", or simply n	nake the line rea	d ""Draft"".	Should be based on P80			
Proposed Response	Response Status O			SuggestedRemedy Change the 'P802.3REV the draft really is based of	am/D2.1' to 'P802.3REVar on P802.3REVam/D2.2.	m/D2.2' here on p	1, but also check that
C/ 99 SC 99 Booth, Brad	P 1 Intel	L 2	# 593	Proposed Response	Response Status O		
Comment Type E IEEE Std. 802.3-20xx	Comment Status X			<i>Cl</i> 99 <i>SC</i> 99 Grow, Robert	P 11 Intel	L	# 195
SuggestedRemedy Change 20xx to be 20	005 through document.			Comment Type E Table of Figures and Tab are not included in Std 8	Comment Status X ble of Tables are not gener	ally included in IE	EEE documents and
Proposed Response	Response Status O			SuggestedRemedy	ion editor if this will continu	ue to be the case	for IEEE Std 802.3-
				Proposed Response	Response Status 0		

CI 99 SC 99

<i>Cl</i> 99 <i>SC</i> 99 Grow, Robert	P 2 Intel	L	# 194
Comment Type EF		x	
SuggestedRemedy To be provided by	WG Chair.		
Proposed Response	Response Status	0	
<i>Cl</i> 99 <i>SC</i> 99 Dawe, Piers	P 2 Agiler	-	# 453
Comment Type E The table of symb	<i>Comment Status</i> ols is still useful - platform		not quite things of the
	(D1.0) blank page doing r	nothing useful here a	nyway!
past. You have a SuggestedRemedy	(D1.0) blank page doing r symbols - make sure you	C C	
past. You have a SuggestedRemedy Insert the table of		get the most up-to-d	
past. You have a SuggestedRemedy Insert the table of and .3aq.	symbols - make sure you	get the most up-to-d O	
past. You have a SuggestedRemedy Insert the table of and .3aq. Proposed Response Cl 99 SC 99 Dawe, Piers Comment Type E	symbols - make sure you Response Status P3	get the most up-to-d O L 1	ate one. Compare .3an
past. You have a SuggestedRemedy Insert the table of and .3aq. Proposed Response Cl 99 SC 99 Dawe, Piers Comment Type E	symbols - make sure you Response Status P 3 Agiler Comment Status	get the most up-to-d O L 1	ate one. Compare .3an

CI 99 SC 99