Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC	Р	L	# 138	C/ FM	SC	FM	P1	L <b>8</b>	# <u>1</u> 22	
DiMinico, Christopher	MC Commu	nications		Carlson, S	Steven		High Speed D	Design, Inc; Ma	rvell; Robert Bosch	۱
Comment Type T	Comment Status A		Channel	Comment	t Type	Е	Comment Status A			EZZ
host PCB are not defined SuggestedRemedy Create an annex to provi	teristics between the Tx F d. de information on channel to Rx function inclusive of	l transmission c	haracteristics defined	focus within IEEE- <https The ti</https 	ed on 1 the sco -SA Sta s://stanc itle on th	0 Gb/s an ope of the ndards B dards.iee ne draft d	may cause confusion now the nd greater automotive electric e PAR. See [1] Subclause 4.2 Board Operations Manual e.org/develop/policies/opman. locument and submittal form s roved PAR, or action(s) shall	al PHYS. Ame .3.2 'Review of /sb_om.pdf> st shall be within	ndment titles must draft standards' of ates 'Title of Docur the scope as stated	the ment.
that might not be testable	e in an implemented syste	em. ide	0							
Commentor to provide d	raft annex.						\$ Style manual standards.ieee.org/myproject/	Public/mvtools	/draft/styleman.pdf	> has
Response	Response Status <b>C</b>						se 9.2 'Title' that reads 'Per 4.			
ACCEPT IN PRINCIPLE	,						ne title on the draft document			
				the m	lost rece	entiy app	roved PAR.'. The proposed ch	lange is within	the scope of the P/	AK.
Add Informative Annex 1 license to format correct	49C with the contents of c y.	diminico_3ch_02	2_0719.pdf with editorial	<https reads</https 	s://deve	lopment. Title of th	Com check list standards.ieee.org/myproject/ ne submitted draft within the S cope of the PAR.			
				Suggeste	dReme	dy				
				Mana for Et	gement hernet A	Parame	ard for Ethernet Amendment:F ters for Greater Than 1 Gb/s / ent:Physical Layer Specification 10 Gb/s Automotive Ethernet.	Automotive Ethons and Manag	ernet" To: Draft Sta	
				Response	9		Response Status C			
				ACCE	EPT IN I	PRINCIP	LE.			
							ard for Ethernet Amendment:P ters for Greater Than 1 Gb/s /			
							Ethernet Amendment:Physic ters for 2.5 Gb/s, 5 Gb/s and			ernet."

Pa **1** Li **8** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

	SC	P <b>1</b>	L13	# 96	C/ FM	SC FI	М	P <b>2</b>	L <b>2</b>	# 259	_
Marris, Arthui	r	Cadence Des	sign Systems		den Beste	n, Gerrit		NXP Semicon	ductors		
Comment Ty	pe T	Comment Status A		EZ2	Comment	Туре	E	Comment Status A			E.
		amenedment could be impro meters for Greater Than 1 G			applic	ation". Ot	ther defi	ve cabling in an automotive nitions in the spec refer to "sin sistent with that.	ngle balanced	pair". It seems use	ful to
This is ar that.	n amendment f	for 2.5 Gb/s, 5 Gb/s, and 10	Gb/s PHYs and t	he title should state	Suggested	dRemedy					
	a ja likalu ta ha	e a project for a 25G automo	tive DUV in the fu	ituro and this would		ge to: "ope ations."	eration	over single balanced pair cabl	ing and suitabl	le for automotive	
	greater than 1G			iture and this would	Response			Response Status <b>C</b>			
SuggestedRe	emedy				ACCE		RINCIPL	,			
"Physical Gb/s Auto			arameters for 2.5	Gb/s, 5 Gb/s, and 10	tomot	ive applic	ation.	e cabling in an au- ed pair of conductors suitable	for automotive	e applications.	
Response		Response Status <b>C</b>			C/ FM	SC FI			L <b>50</b>	# 83	
ACCEPT	IN PRINCIPL	Ξ.			Maguire, \			The Siemon C		# 03	
Managen To: Draft	ment Paramete Standard for E	d for Ethernet Amendment:P ers for Greater Than 1 Gb/s / Ethernet Amendment:Physic ers for 2.5 Gb/s, 5 Gb/s and P1	Automotive Ether	net" ations and	Suggestee	neous con dRemedy		Comment Status A	ts and adds".		E.
Trowbridge, S	Steve	Nokia			Response			Response Status C			
Comment Ty		Comment Status A		EZ2	ACCE	:PT.					
	•		ne a project for g	reater than 10 Gb/s	C/ <b>FM</b>	SC FI	М	P10	L <b>52</b>	# 82	
Now that									ompony		
Now that operation	n, the title may	not be sufficiently unique			Maguire, \		_	The Siemon C	ompany		_
Now that operation SuggestedRe Consider	n, the title may e <i>medy</i> r a title listing 2	not be sufficiently unique	eration to make it	clear that the >10	Comment	Туре	E cified for	Comment Status A operation over a single balar		nductors.	Ež
Now that operation SuggestedRe Consider Gb/s inte	n, the title may e <i>medy</i>	not be sufficiently unique 5 Gb/s, 5 Gb/s, 10 Gb/s op included	eration to make it	clear that the >10	Comment	<i>Type</i> cg is spec	cified for	Comment Status A		nductors.	Ež
Now that operation SuggestedRe Consider Gb/s inte Response	n, the title may e <i>medy</i> r a title listing 2	not be sufficiently unique 5 Gb/s, 5 Gb/s, 10 Gb/s op included <i>Response Status</i> <b>C</b>	eration to make it	clear that the >10	Comment 802.30 Suggested Repla	<i>Type</i> cg is spec dRemedy	cified for ation on	Comment Status <b>A</b> operation over a single balar a single balanced pair coppe	nced pair of co		
Now that operation SuggestedRe Consider Gb/s inte Response ACCEPT Change:	n, the title may emedy r a title listing 2 erfaces are not - IN PRINCIPL "Draft Standar	not be sufficiently unique 5 Gb/s, 5 Gb/s, 10 Gb/s op included <i>Response Status</i> <b>C</b>	Physical Layer Spe	ecifications∥and	Comment 802.30 Suggested Repla	Type cg is spec dRemedy ce, "opera ced pair o	cified for ation on	Comment Status <b>A</b> operation over a single balar a single balanced pair coppe	nced pair of co		

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: Page, Line

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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ FM	SC FM	P19	L <b>34</b>	# 89		C/ 1	SC 1.5	P <b>23</b>	L <b>44</b>	# <u>1</u> 0
Frowbridge	e, Steve	Nokia				Anslow, P	ete	Ciena		
Comment	Type E	Comment Status A			ΕZ	Comment	Type E	Comment Status A		EZ
		eadings from 149.11.1 onward s appeared in a 3rd level head		with the text. This	may			ns are being added, remove 1.	5	
Suggested	0		ing.			Suggestee	<i>Remedy</i> ve 1.5 from the c	Iraft		
Adjust headir		to provide space between the	number and th	e text for these		Response		Response Status C		
Response		Response Status C				ACCE	PT.			
ACCE	PT IN PRINCIPI	LE.				C/ 30	SC 30.5.1.1.	2 P <b>25</b>	L <b>12</b>	# 236
with yo In the	our latest P802.3 left hand pane, l	rovided by Pete: Take a fresh 3ch book open, open the TOC highlight the TOC file from you formats, Import, OK.	file from the ter	nplate.		<i>Comment</i> It app		ADI, APL Gp, A Comment Status <b>A</b> y "Single balanced pair of con 1"(10pt) - it should be the sam	ductors" is a	
C/ 1	SC 1.5	P <b>23</b>	L <b>44</b>	# 3			OGBASE-T1 entr			
Haiduczen	iia, Marek	Charter Comm	unications			Suggestee	dRemedy			
Comment	Type E	Comment Status A			ΕZ		font size/style of me of the aMAU	f "Single balanced pair of conc Type.	uctors" in the	three entries to match
	section 1.5					Response		Response Status C		
Suggested Please	<i>lRemedy</i> e remove, no cor	ntent				ACCE	PT.			
Response ACCE		Response Status C								
C/ 1	SC 1.5	P <b>23</b>	L <b>44</b>	# 95						
Marris, Art	hur	Cadence Desi	gn Systems							
Comment Delete		<i>Comment Status</i> <b>A</b> obreviations are being added			EZ					
Suggested Delete										
Response ACCE		Response Status C								

Pa **25** Li **12** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

	SC 44.1.4.4	P <b>30</b>	L <b>7</b>	# 97	C/ 44	SC 44.3	P:	31 L:	3	# 237
.o, William		Axonne Inc.			Zimmerma	an, George	ADI,	APL Gp, Aquant	ia, BMW, Cis	sco, Commscope, S
Comment Ty	ype TR	Comment Status R		Auto-Negotiation	Comment	Туре Е	Comment Status	5 <b>A</b>		EZ
In Table	125-2 (page 67)	is not in table 44-1. ) there is a column 98 showi	ng Auto-Negoti	ation is optional for both		g instruction say ave is overly tal	rs to insert "a" row - tl I.	nree rows are ins	erted. Also,	the row for 2x
	SE-T1 and 5GB	ASE-T1. for 10GBASE-T1.			Suggeste	dRemedy				
TIOWEVE					Chang	ge "a row" to "ne	w rows" in editing ins	truction, and adju	ust the heigh	t of the row for 2x
Also not	te that autonegot	iation is missing for 10GBAS	SE-T as well.		interle	ave to match th	e others.			
SuggestedR	Remedy				Response	,	Response Status	С		
Add colu row.	umn for clause 9	8 Auto-Negotiation to table 4	4-1 and put O	in the 10GBASE-T1	ACCE	PT.				
	he footnote				C/ <b>45</b>	SC 45.2.1.1	6 P:	3 <b>2</b> L4	47	# 34
O = Opti	ional				Remein, E	Juane	Futu	rewei Technologi	es, Inc.	
As a ser	rvice to humanity	we can optionally fix this for	10GBASE-T b	y putting a column for	Comment	Type ER	Comment Status	5 <b>A</b>		Formatting
		on and put M in the 10GBAS		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			e to Table 45-19 the r		be underline	d and the Editing
Response		Response Status C				ction should not issue Table 45-	be "Change and in	nsert ".		
REJECT	Г.						s (ex 45-176) are mai	ked properly.		
also nee The com	ed to add a subca nmenter is encou	e this. If we add the Auto-Ne aluse in Clause 44 for this. uraged to submit a comment new comment can be subm	to Maintenanc	e to add this to Clause	Response	PT IN PRINCIP	Response Status LE.	с		
CI <b>44</b>	SC 44.1.4.4	P <b>30</b>	L <b>7</b>	# 204			able 45-19 and Table			
		Mellanox				the Editing instruction the added rows	uction as is, this is th	e same as the ex	ample given	. Underline the
Dawe, Piers				Auto Manuallation	toxt in					
,	ype T	Comment Status R		Auto-Negotiation						
		Comment Status R 11 and Clause 98 Auto-Nego	tiation to Table	0						
Comment Ty Need to and clau	add 10GBASE-		otiation to Table	0						
Comment Ty Need to and clau SuggestedR Add 100	add 10GBASE- use correlation Remedy			e 44-1, Nomenclature						
Comment Ty Need to and clau SuggestedR Add 100 clause c	add 10GBASE- <sup>-</sup> use correlation <i>Remedy</i> GBASE-T1 and C	T1 and Clause 98 Auto-Nego		e 44-1, Nomenclature						
Comment Ty Need to and clau SuggestedR Add 100	add 10GBASE- use correlation <i>Remedy</i> GBASE-T1 and C correlation	Clause 98 Auto-Nego		e 44-1, Nomenclature						

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: Page, Line

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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

	00.4		Daa	1.10	"	0.45	00		Dee	1.04	
C/ <b>45</b>		5.2.1.18	P33	L <b>12</b>	# 98	C/ <b>45</b>		45.2.1.18	P <b>33</b>	L <b>24</b>	# <u>2</u> 60
Lo, Willia			Axonne Inc.			den Beste	,	t	NXP Semicor	ductors	
Comment	t Type	TR	Comment Status A		Registers	Comment	туре	т	Comment Status A		Register
1.18.4 Note	<ol> <li>Note th that regist</li> </ol>	at 1.11.11 ter 1.21 ca	1.4 are redundant since the states register 1.18 is for E uses some issues in that it	SASE-T1 ability. is for 2.5G/5G a		cover are B	ed by th ASE-T1	e BASE-T extended	uplicate BASE-T1 abilities to 1 extended ability register 18 abilities or 2.5G/5G extende 3/5G extended abilities next	<ol> <li>Register 11 ir d abilities. Why</li> </ol>	ndicates whether there would a 2.5G/5GBASE
2.5/50	GBASE-1	1 fits the c	ritera for both 1.18 and 1.2	1.		Suggeste	dRemea	ly			
Neve	rtheless I	don't think	any other PHY capabilities	are advertised	twice and I think it is	Propo	ose to re	move BAS	E-T1 abilities from register	21.	
best i	if we adve	rtise only i	n one location instead of 2.			Response	9		Response Status <b>C</b>		
Suggeste	dRemedy					ACCE	EPT IN F	RINCIPLE	, =.		
Delet	e content	in page 33	lines 11 to 48								
Response	9 EPT IN PR		Response Status C						ASE-T1 abilities from regist ASE-T1 abilities can be four		
Regis In add 1.21.3 add 4 Wher	ster 1.21 th dition, mov x to 1.18.x 15.2.1.16.x n read as a	hat the BA ve 45.2.1.1 and and a one, bit 1	SE-T1 abilities from registe SE-T1 abilities can be foun 18.ab & 45.2.1.18.ab to 45.3	d in register 1.1 2.1.16.xy and 4{	8. 5.2.1.16.xz changing	1.21.3 add 4 Wher 10GB Wher	k to 1.18 5.2.1.16 read as ASE-T1	x and xx a one, bi PMA type a zero, b	.18.ab & 45.2.1.18.ab to 45. t 1.18.6 indicates that the PM t 1.18.6 indicates that the PM t 1.18.6 indicates that the P	/A/PMD is able	to operate as a
	BASE-T1 F n read as a		1.18.6 indicates that the PM	//A/PMD is not a	able to operate as a	CI 45	SC	45.2.1.18a	a P33	L <b>36</b>	# 189
10GB type.	BASE-T1 F	PMA				Brandt, D <i>Comment</i> Missp	Туре	E	Rockwell Auto Comment Status A	omation	E
						Suggeste Chan		<i>ly</i> itiy", To: "a	ability"		
						Response ACCE			Response Status C		

Pa **33** Li **36** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ <b>45</b>	SC 45.2.1.18	aa	P33	L <b>37</b>	# 169		CI <b>45</b>	SC 45.2.1.7.4	P33	L <b>54</b>	# <u>2</u> 39
Regev, Alo	on		Keysight Techno	ologies			Zimmerma	an, George	ADI, APL Gp	, Aquantia, BMV	V, Cisco, Commscope,
Comment		Comment				EZ	Comment	51	mment Status A		Registe
	misspelled as "al the two related				a and 45.2.1.18.a	b as					ve fault descriptions are and updated to include
								ause 149 references for			
Suggestec chang	e all occurances	of "abilitiy" to "	'ability"					onally, I cannot find the igh the abilities are refe		and Receive Fa	aults in clause 149,
Response		Response S					Suggested				
ACCE	PT.							45.2.1.7.4 and Table 45			
CI <b>45</b>	SC 45.2.1.18	aa	P <b>33</b>	L <b>37</b>	# 8			ASE-T1 referencing the 45.2.1.7.5 and Table 45			
Kolesar, P	aul		CommScope				10GB	ASE-T1 referencing the	appropriate section o	f clause 149.	
Comment		Comment	•			EZ	Add te	ext, if necessary, for tra	nsmit and receive faul	ts to clause 149.	
typo							Response	Res	ponse Status <b>C</b>		
Suggested	lRemedy						ACCE	PT IN PRINCIPLE.			
chang	e abilitiy to ability						Make	the changes and additi	ons as defined in zimr	nerman 3ch 03	a 0719.pdf.
Response		Response S	Status C				C/ 45	SC 45.2.1.192	P34	L36	_ ·
ACCE	PT.								-		# 261
C/ <b>45</b>	SC 45.2.1.18	ab	P <b>33</b>	L <b>43</b>	# 190		den Beste	,	NXP Semico mment Status R	nductors	Pagiata
Brandt, Da	ivid		Rockwell Autom	ation			Comment	ht be wise to keep some		fter 2308 for futu	Registe
Comment Missp	Туре Е	Comment	Status A			EZ	directl	ly abutting the multi-gig 802.3 PHYs there is als	register addresses to	1Gbps addresse	es. Note that for other
Suggested	-						Suggestee	dRemedy			
00	je: "abilitiy", To: "	ability"						000BASE-T1 starts at a er addresses at 0x0910		•	opose to start multi-gig
Response		Response S	Status C				Response	Res	ponse Status <b>C</b>		
ACCE	PT.						REJE	CT.			
CI <b>45</b>	SC 45.2.1.18	ab	P <b>33</b>	L <b>43</b>	# 9		This c	hange would require sig	gnificant changes thro	ughout Clauses	45 and 149.
Kolesar, P	aul		CommScope				Addre	ss spaces are broken u	n all the time without i	incidence	
Comment	Type E	Comment	Status A			EZ					
typo											
Suggested chang	<i>lRemedy</i> e abilitiy to ability										
Response		Response S	Status C								

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

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C/ 45 SC 45.2	2.1.192.1	P <b>35</b>	L18	# <u>1</u> 14	CI <b>45</b>	SC 45.2.1.19	4 P:	38	L13	# <u>2</u> 77
udek, Mike		Marvell			Souvignie	r, Tom	Broa	dcom		
Comment Type <b>T</b>	Comme	nt Status A		Registers	s Comment	Type TR	Comment Status	s <b>A</b>		Precod
It isn't clear what	all MultiGBASE-1	1 PMA/PMD res	gisters means.							The PHY simply reads
SuggestedRemedy							ues and sends to the			<ol> <li>It may be more based on channel and</li> </ol>
Be more specific	as to which regis	ters this applies to	0.			conditions.				
Response	Respons	e Status C			Suggestee	dRemedy				
ACCEPT IN PRIM	ICIPLE.				See p	age 3 of "tu_3ch_	_01_0719.pdf".			
Change to the sa	me text as 45.2.1	1 1 Reset (1 0 1	5)		Response		Response Status	C		
Change: This act	tion shall set all N	/ultiGBASE-T1 P	MA/PMD registe	ers to their default states.	ACCE	PT IN PRINCIPL	E.			
To: This action s	hall set all PMA/F	PMD registers to t	heir default state	es.	Implo	mont the new rea	isters and text, with	oditoral lic	conso os dofina	od in
C/ 45 SC 45.2	2.1.192.4	P <b>36</b>	L <b>9</b>	# 238		n_01a_0719.pdf.			Jense, as denne	
Zimmerman, George		ADI. APL Gp.	Aquantia, BMW	/, Cisco, Commscope, S	- Pomo	ve the shall on sli	ide 4 in the register	definitions		
_inninennan, Ocorge									).	
<i>,</i> 0	Comme	nt Status A		EZ			0			
<i>i</i> 0		nt Status A	g of the transmi			SC 45.2.1.19	0		L <b>32</b>	# 279
Comment Type E "Bits 1.2309.10:9 "current" can have	control the curre e meaning both a	nt Status <b>A</b> nt precoder settin is time and as an	electrical param	tter," - because neter, this isn't a great		SC 45.2.1.19	<b>4.2</b> P:		L <b>32</b>	# 279
Comment Type E "Bits 1.2309.10:9 "current" can hav way to say this.	control the curre e meaning both a The rest of the pa	nt Status <b>A</b> nt precoder settin is time and as an ragraph, particula	electrical param	tter," - because neter, this isn't a great e "Setting these bits	C/ <b>45</b>	SC <b>45.2.1.19</b>	<b>4.2</b> P:	<b>38</b> .dcom	L <b>32</b>	# 279 Precod
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. T forces the precod	control the curre e meaning both a The rest of the pa	nt Status <b>A</b> nt precoder settin is time and as an ragraph, particula	electrical param	tter," - because neter, this isn't a great	C/ 45 C/ 45 Souvignie Comment In D2.	SC <b>45.2.1.19</b> r, Tom <i>Type</i> <b>TR</b> 0, the "Precoder	4.2 P: Broa Comment Status requested" bit value	38 dcom s A s are conf	igured by user.	Precod The PHY simply reads
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. T forces the precod SuggestedRemedy	control the curre e meaning both a The rest of the pa er to the mode se	nt Status <b>A</b> nt precoder settin is time and as an ragraph, particula	electrical param	tter," - because neter, this isn't a great e "Setting these bits	CI 45 CI 45 Souvignie Comment In D2. in the	SC <b>45.2.1.19</b> r, Tom <i>Type</i> <b>TR</b> 0, the "Precoder se register bit valu	4.2 P: Broa Comment Status requested" bit value ues and sends to the	38 dcom s A es are conf e link partr	igured by user. ner via InfoField	Precod The PHY simply reads I. It may be more
Comment Type E "Bits 1.2309.10:9 "current" can hav way to say this. T forces the precod SuggestedRemedy Delete "current" of	control the curre e meaning both a The rest of the pa er to the mode se n P36 L9	nt Status <b>A</b> nt precoder settin is time and as an ragraph, particula et." is clarity enou	electrical param	tter," - because neter, this isn't a great e "Setting these bits	C/ 45 C/ 45 Souvignie Comment In D2. in the robus	SC 45.2.1.19 r, Tom <i>Type</i> <b>TR</b> 0, the "Precoder se register bit value t to optionally allo	4.2 P: Broa Comment Status requested" bit value ues and sends to the	38 dcom s A es are conf e link partr	igured by user. ner via InfoField	Precod The PHY simply reads
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. T forces the precod SuggestedRemedy Delete "current" c Response	control the curre e meaning both a The rest of the pa er to the mode se n P36 L9	nt Status <b>A</b> nt precoder settin is time and as an ragraph, particula	electrical param	tter," - because neter, this isn't a great e "Setting these bits	CI 45 Souvignie Comment In D2. in the robus noise	SC 45.2.1.194 r, Tom <i>Type</i> <b>TR</b> 0, the "Precoder se register bit value t to optionally allo conditions.	4.2 P: Broa Comment Status requested" bit value ues and sends to the	38 dcom s A es are conf e link partr	igured by user. ner via InfoField	Precod The PHY simply reads I. It may be more
Comment Type E "Bits 1.2309.10:9 "current" can hav way to say this. T forces the precod SuggestedRemedy Delete "current" of	control the curre e meaning both a The rest of the pa er to the mode se n P36 L9	nt Status <b>A</b> nt precoder settin is time and as an ragraph, particula et." is clarity enou	electrical param	tter," - because neter, this isn't a great e "Setting these bits	CI 45 CI 45 Souvignie Comment In D2. in the robus noise Suggested	SC 45.2.1.194 r, Tom Type TR 0, the "Precoder se register bit value to optionally allo conditions. dRemedy	4.2 P: Broa <i>Comment Status</i> requested" bit value ues and sends to the w the PHY to choos	38 dcom s A es are conf e link partr	igured by user. ner via InfoField	Precod The PHY simply reads I. It may be more
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. T forces the precod SuggestedRemedy Delete "current" c Response ACCEPT.	control the curre e meaning both a The rest of the pa er to the mode se n P36 L9	nt Status <b>A</b> nt precoder settin is time and as an ragraph, particula et." is clarity enou	electrical param	tter," - because neter, this isn't a great e "Setting these bits	CI 45 CI 45 Souvignie Comment In D2. in the robus noise Suggested See p	SC 45.2.1.194 r, Tom Type TR 0, the "Precoder se register bit value to optionally allo conditions. dRemedy age 4 of "tu_3ch_	4.2 P: Broa <i>Comment Status</i> requested" bit value ues and sends to the w the PHY to choos	38 dcom s A sare conf e link partr se the prec	igured by user. ner via InfoField	Precod The PHY simply reads I. It may be more
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. The forces the precode SuggestedRemedy Delete "current" of Response ACCEPT. CI 45 SC 45.2	control the curre e meaning both a The rest of the pa er to the mode se n P36 L9 <i>Respons</i> 2.1.193.5	nt Status A nt precoder settin is time and as an ragraph, particula et." is clarity enou e Status C P37	electrical param arly the sentence igh, and the work	tter," - because heter, this isn't a great e "Setting these bits d "current" is unneeded.	CI 45 Souvignie Comment In D2. in the robus noise Suggested See p Response	SC 45.2.1.194 r, Tom Type TR 0, the "Precoder se register bit value to optionally allo conditions. dRemedy age 4 of "tu_3ch_	4.2 P: Broa Comment Status requested" bit value ues and sends to the w the PHY to choos _01_0719.pdf". Response Status	38 dcom s A sare conf e link partr se the prec	igured by user. ner via InfoField	Precod The PHY simply reads I. It may be more
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. The forces the precode SuggestedRemedy Delete "current" con Response ACCEPT. Cl 45 SC 45.2 Wienckowski, Natalie	control the curre e meaning both a The rest of the pa er to the mode se n P36 L9 <i>Respons</i> 2.1.193.5	nt Status A nt precoder settin is time and as an ragraph, particula et." is clarity enou e Status C P37 General Moto	electrical param arly the sentence igh, and the work	tter," - because neter, this isn't a great e "Setting these bits d "current" is unneeded. # 43	CI 45 Comment In D2. in the robust noise Suggested See p Response ACCE	SC 45.2.1.194 r, Tom Type TR 0, the "Precoder se register bit value to optionally allo conditions. dRemedy age 4 of "tu_3ch_	4.2 P: Broa Comment Status requested" bit value ues and sends to the w the PHY to choos _01_0719.pdf". Response Status	38 dcom s A sare conf e link partr se the prec	igured by user. ner via InfoField	Precod The PHY simply reads I. It may be more
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. The forces the precode SuggestedRemedy Delete "current" of Response ACCEPT. CI 45 SC 45.2	control the curre e meaning both a The rest of the pa er to the mode se n P36 L9 <i>Respons</i> 2.1.193.5	nt Status A nt precoder settin is time and as an ragraph, particula et." is clarity enou e Status C P37	electrical param arly the sentence igh, and the work	tter," - because heter, this isn't a great e "Setting these bits d "current" is unneeded.	CI 45 Souvignie Comment In D2. in the robust noise Suggester See p Response ACCE	SC 45.2.1.194 r, Tom Type TR 0, the "Precoder se register bit value to optionally allo conditions. dRemedy age 4 of "tu_3ch_ PT IN PRINCIPL	4.2 P: Broa Comment Status requested" bit value ues and sends to the w the PHY to choos _01_0719.pdf". Response Status	38 dcom s A ss are confi e link partr se the prec	igured by user. ner via InfoField coder on-the-fly	Precod The PHY simply reads I. It may be more based on channel and
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. The forces the precod SuggestedRemedy Delete "current" of Response ACCEPT. CI 45 SC 45.2 Nienckowski, Natalie Comment Type E	control the curre e meaning both a The rest of the pa er to the mode se n P36 L9 <i>Respons</i> 2.1.193.5	nt Status A nt precoder settin is time and as an ragraph, particula et." is clarity enou e Status C P37 General Moto	electrical param arly the sentence igh, and the work	tter," - because neter, this isn't a great e "Setting these bits d "current" is unneeded. # 43	CI 45 Souvignie Comment In D2. in the robus noise Suggester See p Response ACCE Imple tu_3c	SC 45.2.1.194 r, Tom Type TR 0, the "Precoder Se register bit value to optionally allo conditions. dRemedy age 4 of "tu_3ch_ PT IN PRINCIPL ment the new reg n_01a_0719.pdf.	4.2 P: Broa <i>Comment Status</i> requested" bit value ues and sends to the w the PHY to choos _01_0719.pdf". <i>Response Status</i> E. isters and text, with	38 dcom s A sare confi e link partr se the prec c c editoral lic	figured by user. her via InfoField coder on-the-fly coder, as define	Precod The PHY simply reads I. It may be more based on channel and
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. The forces the precode SuggestedRemedy Delete "current" of Response ACCEPT. CI 45 SC 45.2 Nienckowski, Natalie Comment Type E Missing article.	control the curre e meaning both a The rest of the pa er to the mode se n P36 L9 <i>Respons</i> 2.1.193.5 <i>Comme</i> polarity of receiv	nt Status A nt precoder settin is time and as an ragraph, particula et." is clarity enou e Status C P37 General Moto nt Status A er is reversed.	electrical param arly the sentence igh, and the work	tter," - because neter, this isn't a great e "Setting these bits d "current" is unneeded. # 43	CI 45 Souvignie Comment In D2. in the robus noise Suggester See p Response ACCE Imple tu_3c	SC 45.2.1.194 r, Tom Type TR 0, the "Precoder Se register bit value to optionally allo conditions. dRemedy age 4 of "tu_3ch_ PT IN PRINCIPL ment the new reg n_01a_0719.pdf.	4.2 P: Broa <i>Comment Status</i> requested" bit value ues and sends to the w the PHY to choos _01_0719.pdf". <i>Response Status</i> E.	38 dcom s A sare confi e link partr se the prec c c editoral lic	figured by user. her via InfoField coder on-the-fly coder, as define	Precod The PHY simply reads I. It may be more based on channel and
Comment Type E "Bits 1.2309.10:9 "current" can have way to say this. The forces the precode SuggestedRemedy Delete "current" of Response ACCEPT. CI 45 SC 45.2 Nienckowski, Natalie Comment Type E Missing article. SuggestedRemedy Change: that the	control the curre e meaning both a the rest of the pa er to the mode se in P36 L9 <i>Respons</i> 2.1.193.5 <i>Comme</i> polarity of receive ity of the receive	nt Status A nt precoder settin is time and as an ragraph, particula et." is clarity enou e Status C P37 General Moto nt Status A er is reversed.	electrical param arly the sentence igh, and the work	tter," - because neter, this isn't a great e "Setting these bits d "current" is unneeded. # 43	CI 45 Souvignie Comment In D2. in the robus noise Suggester See p Response ACCE Imple tu_3c	SC 45.2.1.194 r, Tom Type TR 0, the "Precoder Se register bit value to optionally allo conditions. dRemedy age 4 of "tu_3ch_ PT IN PRINCIPL ment the new reg n_01a_0719.pdf.	4.2 P: Broa <i>Comment Status</i> requested" bit value ues and sends to the w the PHY to choos _01_0719.pdf". <i>Response Status</i> E. isters and text, with	38 dcom s A sare confi e link partr se the prec c c editoral lic	figured by user. her via InfoField coder on-the-fly coder, as define	Precod The PHY simply reads I. It may be more based on channel and

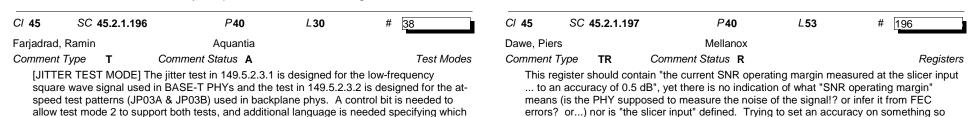
Pa **38** Li **32** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

45 SC 45.2.1.194.2 P38 L36 #	245	C/ <b>45</b>	SC 45.2.1.1	195	P <b>39</b>	L <b>9</b>	# <u>3</u> 5
n Besten, Gerrit NXP Semiconductors		Remein, Du	ane		Futurewei Tee	chnologies, Inc.	
mment Type TR Comment Status R	EEE	Comment T	ype TR	Commen	t Status A		
Slow wake request is an indication in one direction, which leaves the option op would still require to support regular wake-up in the other direction. I think it we to specify that if one of the transceivers on a link request slow-wake, that the s applied in both directions.	ould be better		1.2112 are th				n link up the bits in re not valid until link
ggestedRemedy		Change	2				
Add the sentence to the paragraph: If either this PHY or its link partner request slow wake, the PHY may only trans immediately following refresh.	smit alert	"The va "The va	lues in this re	gister are not v	ralid until link is ralid when the lin		
sponse Response Status U		Response ACCEP	<b>-</b>	Response	Status C		
REJECT.		ACCEP	1.				
		C/ <b>45</b>	SC 45.2.1.1	195.2	P <b>39</b>	L <b>53</b>	# 246
There was no consensus to make the change. The desire of the TF was to all be different in each direction.	ow these to	den Besten,	Gerrit		NXP Semicor	nductors	
		Comment T	ype T	Commen	t Status R		
45 SC 45.2.1.194.3 P38 L40 #	278	Link par	tner slow wal	ke request is ar	n indication in or	ne direction, which	ch leaves the option
uvignier, Tom Broadcom							er direction. I think it
mment Type TR Comment Status A	Precoder			lied in both dire		vers on a link rec	quest slow-wake, tha
In D2.0, the "Precoder requested" bit values are configured by user. The PHY		SuggestedF					
in these register bit values and sends to the link partner via InfoField. It may be robust to optionally allow the PHY to choose the precoder on-the-fly based on		00	2	the paragraph:			
noise conditions.		If either	this PHY or i	ts link partner r	equest slow wal	ke, the PHY may	only transmit alert
ggestedRemedy		immedia	ately following	g refresh.			
See page 4 of "tu_3ch_01_0719.pdf".		Response		Response	Status C		
sponse Response Status C		REJEC	Г.				
ACCEPT IN PRINCIPLE.		The des	ire was to all	ow these to be	different in each	n direction.	
Implement the new registers and text, with editoral license, as defined in tu_3ch_01a_0719.pdf.							

Pa **39** Li **53** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W



Comments tagged JITTER TEST MODE should be treated as a group.

#### SuggestedRemedy

signals to use in which tests.

Table 45-155e: Add new rows after Reserved row, and adjust reserved row to allocate bits 0.1 of register 1.2313 (Test mode control) register based: 1.2313.1:0= 00 (Normal Sqaure Wave). 1.2313.1:0= 01 (JP03A pattern). 1.2313.1:0= 10 (JP03B pattern). 1.2313.1:0= 11 (Reserved).

Insert new subclause 45.2.1.196.2 as follows:

#### 45.2.1.196.2 Jitter test control (1.2313.1:0)

When the transmitter is in test mode 2, bits 1,2313,1:0 control the pattern of the iitter test signal. A value of 0 0 transmits a square wave from the transmitter, a value of 0 1 transmits the JP03A pattern, and a value of 1 0 transmits the JP03B pattern. See 149.5.1 for more information.

#### Response

Response Status C

ACCEPT IN PRINCIPLE.

Implement as proposed but refer to 149.5.2.3 which is where the jitter tests are defined.

#### SugaestedRemedv

Delete "to an accuracy of 0.5 dB"

probably difficult and unnecessary.

Response Response Status W

REJECT.

This was discussed during a previous meeting and the decision of the group was to keep the accuracy, which matches MultiGBASE-T PHY's.

vague is not appropriate. Anyway, providing that accuracy at the extremes of the range is

C/ <b>45</b>	SC 45.2.1.197	P <b>41</b>	L1	# 99	I
Lo, William		Axonne Inc.			
Comment Tv	pe T	Comment Status A		Reaisters	

The intent of registers 1.2314 and 1.2315 is to represent -12.7 dB to +12.7dB as an 8 bit number. However the description is a little confusing for the uninitiated in that these registers are described as 16 bits registers.

Pa 41

1 i 1

#### SuggestedRemedy

2 ways to fix this. Pick one. My preference is method 1.

- 1) Define the registers to be 8 bits only. Hence these 2 registers are 1.2314.15:8 and 1.2315.15:8 respectively. Set 1.2314.7:0 and 1.2315.7:0 to reserved.
- 2) There is an example stating 0.0dB is 0x8000. Add 2 more examples where 12.7dB is 0xFF00 and -12.7dB is 0x0100. Note that this solution is not as clean as in theory bits 7:0 can show more resolution and we are now mixing decimal and binary representations with fractional 0.1dB.

Editor has editorial license to word and format either of the options above. Response Status C

Response

ACCEPT IN PRINCIPLE.

Editor to add 2 more examples where 12.7dB is 0xEE00 and -12.7dB is 0x0100.

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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ <b>45</b>	SC 45.2.1.198	B P41	L <b>8</b>	# <u>3</u> 6		C/ <b>45</b>	SC 45.2.3.76	P <b>45</b>	L <b>50</b>	# <u>1</u> 1	
Remein, D	uane	Futurewei Te	chnologies, Inc.			Anslow, Pe	ete	Ciena			
Comment		Comment Status A			ΕZ	Comment	•••	Comment Status A			ΕZ
		1.2314 (SNR) is in "offset bir ement notation". Furthermo				Table 4	45-244a is split a	cross two pages with only o	ne body row on	the first page.	
		tion" (hence the "Must Be Sa			el	Suggested					
notatio	n is at least infor	mally described in Wikipedia	a.			Increas	se the Orphan rov	ws setting in Table Designer	r to 4		
Suggested	Remedy					Response		Response Status C			
Change "offect	e two's complemer	nt notation" to				ACCEI	PT.				
" offset	t binary notation"	ni notation to				CI <b>45</b>	SC 45.2.3.77	P <b>46</b>	L15	# 12	
Response		Response Status C				Anslow, Pe	ete	Ciena			
ACCE	PT.					Comment	Туре Е	Comment Status A			ΕZ
C/ 45	SC 45.2.3.74.	4 P44	L <b>50</b>	# 100			ink partner Multio in link).	BASE-T1" should be "The	link partner Mult	iGBASE-T1" (lowe	ər
0/ 43						Case I					
Lo, William	1	Axonne Inc.				Suggested	,				
Lo, William Comment	Type E	Comment Status A			EZ	Suggested	,				
Lo, William Comment	Type E		it should not show	up in the docume		Suggested	<i>Remedy</i> ge "Link" to "link"	Response Status C			
Lo, William Comment There i Suggested	<i>Type</i> <b>E</b> is no change to th	Comment Status A	it should not show	up in the docume		Suggested Chang	<i>Remedy</i> Je "Link" to "link"	Response Status C			
Lo, William Comment There i Suggested	<i>Type</i> <b>E</b> is no change to th <i>Remedy</i>	Comment Status A	it should not show	up in the docume		Suggested Chang Response	<i>Remedy</i> Je "Link" to "link"	Response Status C	L16	# 250	
Lo, William Comment There i Suggested Remov	<i>Type</i> <b>E</b> is no change to th <i>Remedy</i> ve clause	Comment Status <b>A</b> his clause from 802.3bp so i	it should not show	up in the docume		Suggested Chang Response ACCEI	IRemedy ge "Link" to "link" PT. SC <b>45.2.3.77</b>			# 250	
Lo, William Comment There i Suggested Remov Response ACCEF	<i>Type</i> <b>E</b> is no change to th <i>Remedy</i> ve clause PT.	Comment Status A his clause from 802.3bp so i Response Status C				Suggested Chang Response ACCEI CI <b>45</b> den Bester Comment	IRemedy pe "Link" to "link" PT. SC <b>45.2.3.77</b> n, Gerrit <i>Type</i> <b>E</b>	P <b>46</b> NXP Semico Comment Status A	nductors	# 250	EZ
Lo, William Comment There i Suggested Remov Response ACCEF CI 45	Type E is no change to th Remedy ve clause PT. SC <b>45.2.3.75</b>	Comment Status A his clause from 802.3bp so i Response Status C P45	it should not show	y up in the docume		Suggested Chang Response ACCEI CI <b>45</b> den Bester Comment	IRemedy pe "Link" to "link" PT. SC <b>45.2.3.77</b> n, Gerrit <i>Type</i> <b>E</b>	P <b>46</b> NXP Semicol	nductors	# <u>250</u>	EZ
Lo, William Comment There i Suggested Remov Response ACCER CI 45 Nicholl, Sh	<i>Type</i> <b>E</b> is no change to th <i>Remedy</i> ve clause PT. SC <b>45.2.3.75</b> awn	Comment Status A his clause from 802.3bp so i Response Status C P45 Xilinx			nt.	Suggested Chang Response ACCEI CI <b>45</b> den Bester Comment	IRemedy je "Link" to "link" PT. SC 45.2.3.77 n, Gerrit Type E g reference to 14	P <b>46</b> NXP Semico Comment Status A	nductors	# <u>250</u>	EZ
Lo, William Comment There i Suggested Remov Response ACCEF CI 45 Nicholl, Sh Comment	Type E is no change to th Remedy ve clause PT. SC 45.2.3.75 awn Type E	Comment Status A his clause from 802.3bp so i Response Status C P45 Xilinx Comment Status A	L14	# 123	ent.	Suggested Chang Response ACCEI Cl 45 den Bester Comment Missing Suggested	IRemedy je "Link" to "link" PT. SC 45.2.3.77 n, Gerrit Type E g reference to 14	P <b>46</b> NXP Semicor <i>Comment Status</i> <b>A</b> 9.3.9.2.12 like in sub-clause	nductors	# 250	EZ
Lo, William Comment There i Suggested Remov Response ACCEF Cl 45 Nicholl, Sh. Comment Table 4	Type E is no change to th Remedy ve clause PT. SC 45.2.3.75 awn Type E 45-244 contains r	Comment Status A his clause from 802.3bp so i Response Status C P45 Xilinx	L14	# 123	ent.	Suggested Chang Response ACCEI Cl 45 den Bester Comment Missing Suggested	IRemedy le "Link" to "link" PT. SC 45.2.3.77 n, Gerrit Type E g reference to 14 IRemedy le same reference	P <b>46</b> NXP Semicor <i>Comment Status</i> <b>A</b> 9.3.9.2.12 like in sub-clause	nductors	# <u>250</u>	EZ
Lo, William Comment There i Suggested Remov Response ACCEF Cl 45 Nicholl, Sh. Comment Table 4	Type E is no change to the Remedy ve clause PT. SC 45.2.3.75 awn Type E 45-244 contains r rransmitted first".	Comment Status A his clause from 802.3bp so i Response Status C P45 Xilinx Comment Status A message data received from	L14	# 123	ent.	Suggested Chang Response ACCEI Cl 45 den Bester Comment Missing Suggested Add th Response	IRemedy le "Link" to "link" PT. SC 45.2.3.77 n, Gerrit Type E g reference to 14 IRemedy le same reference	P46 NXP Semicon Comment Status A 9.3.9.2.12 like in sub-clause e to 45.2.3.77 Response Status C	nductors	# <u>250</u>	EZ
Lo, William Comment There i Suggested Remov Response ACCEF Cl 45 Nicholl, Sh Comment Table says "t	Type E is no change to the Remedy ve clause PT. SC 45.2.3.75 awn Type E 45-244 contains r rransmitted first". Remedy	Comment Status A his clause from 802.3bp so i Response Status C P45 Xilinx Comment Status A message data received from	L14 In the link partner, b sistent.	# 123	ent.	Suggested Chang Response ACCEI Cl 45 den Bester Comment Missing Suggested Add th Response ACCEI Add "S	IRemedy JRemedy JRemedy PT. SC 45.2.3.77 n, Gerrit Type E g reference to 14 IRemedy le same reference PT IN PRINCIPLE See 149.3.9.2.12 f	P46 NXP Semicon Comment Status A 9.3.9.2.12 like in sub-clause e to 45.2.3.77 Response Status C	45.2.3.76		
Lo, William Comment There i Suggested Remov Response ACCEF CI 45 Nicholl, Sh Comment Table 4 says "t	Type E is no change to the Remedy ve clause PT. SC 45.2.3.75 awn Type E 45-244 contains r rransmitted first". Remedy	Comment Status A his clause from 802.3bp so i Response Status C P45 Xilinx Comment Status A message data received from Seems mis-leading / incons	L14 In the link partner, b sistent.	# 123	ent.	Suggested Chang Response ACCEI Cl 45 den Bester Comment Missing Suggested Add th Response ACCEI Add "S	IRemedy le "Link" to "link" PT. SC 45.2.3.77 n, Gerrit Type E g reference to 14 IRemedy le same reference PT IN PRINCIPLE	P46 NXP Semicol Comment Status A 9.3.9.2.12 like in sub-clause e to 45.2.3.77 Response Status C E.	45.2.3.76		

Pa **46** Li **16** 

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C/ <b>45</b>	SC 45.2.3.77	P <b>46</b>	L19	# 13	C/ <b>45</b>	SC 45.2.3.7	8 P46	L <b>39</b>	# 4
Anslow, F	Pete	Ciena			Hajducze	nia, Marek	Charter Comr	nunications	
Commen		Comment Status A			Z Commen	t Type TR	Comment Status A		Registers
		e "Link partner" (lower case   blumn (4 instances)	p in partner) in th	ne title of Table 45-244	Multi	GBASE-T1 PCS	to be an optional requirement control register should be cho	sen so that the	initial state of the device
Suggeste	dRemedy						et is a normal operational state	e without manag	gement intervention."
Chan instar	•	rtner" in the title of Table 45	-244b and also i	in the Name column (4		edRemedy est to rewrite as	an informative text, which I be	lieve it is.	
Response	9	Response Status C					instances of the keyword "sho		
ACCI	EPT.						me as intended optional require ht to be reviewed and if the give		
	00 45 0 0 77	D40	1.00	# 404			text ought to be rewritten as ir		
CI <b>45</b>	SC 45.2.3.77	P <b>46</b>	L <b>22</b>	# 124	Respons	e	Response Status C		
Nicholl, S		Xilinx			ACCI	EPT IN PRINCIP	PLE.		
	e 45-244b contains	Comment Status A message data received from Seems mis-leading / incons		r, but the description	Shou	ld is not another PICS.	way to state an optional require	ement. Should	statements do not
Suggeste	dRemedy				Chan	ge: The default	value for each bit of the MultiC	BASE-T1 PCS	control register should
Repla	ace "transmitted fire	st" with "received first" for al	l occurrences in	the table.			initial state of the device upor	power up or re	set is a normal
Response	9	Response Status C					out management intervention. for each bit of the MultiGBAS	F-T1 PCS conti	rol register is chosen so
ACCI	EPT.				that t		the device upon power up or r		5
						dition:	Dehenge "should he" to "ie"		
						L48 change "sh	9 change "should be" to "is" ould be" to "are"		
					P99 I	_17-19 there are	two "should's" regarding initial		
							ey are not testable. The Edito initialized to zero there may be		
							ould be" to "is" this is autor		
					p137		rain tha tamplata a grat tha k	ottom of the DI	CC toblog
							re in the template, e.g. at the t		
					C/ <b>45</b>	SC 45.2.3.8	-	L <b>31</b>	# 191
					Brandt, D		Rockwell Auto	omation	
					<i>Commen</i> Dupli	<i>t Type</i> E cate text	Comment Status A		EZ
					Suggeste	dRemedy			
					Chan	ge: "is detecting	is detecting", To: "is detecting		
					Response	е	Response Status C		
					ACC	EPT.			

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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C/ 45 SC 45.2.3	3.80.2	P <b>49</b>	L <b>31</b>	# 44		C/ <b>45</b>	SC 4	5.5.3.3	P <b>52</b>	L <b>49</b>	# <u>1</u> 5	
Vienckowski, Natalie		General Moto	ors			Anslow, Pe	ete		Ciena			
Comment Type E	Comm	ent Status A			ΕZ	Comment	Туре	E	Comment Status A			EZ
typo								olit across	s pages, the bottom ruling o	of the table on the	e first page shoul	d be
SuggestedRemedy						"very t						
Change: PCS rece To: PCS receiver i		ng is detecting					the botto	m ruling '	'very thin" for:			
esponse	Respor	nse Status C							he foot of page 52 he foot of page 54			
ACCEPT.							78-4 on p		ne loot of page 54			
						the tab	ble in 149	).11.4.2.1	at the foot of page 173			
45 SC 45.2.3	3.80.4	P <b>49</b>	L <b>47</b>	# 192					at the foot of page 179 at the foot of page 184			
randt, David		Rockwell Auto	omation			Response						
omment Type E		ent Status A			ΕZ	ACCE			Response Status C			
Description of non-	atched source	e is wrong.				ACCE	ΓΙ.					
uggestedRemedy						CI <b>45</b>	SC 4	5.5.3.3	P <b>53</b>	L <b>22</b>	# 45	
Change: "PCS hi						Wienckow	ski, Nata	lie	General Moto	ors		
To: "PCS high RI						Comment	Туре	т	Comment Status A		F	Registers
esponse	Respor	nse Status C				PICS f	for 45.2.1	94.4 whe	en there is no shall.			-
ACCEPT.						Suggested	lRemedv					
X 45 SC 45.5.3	3.3	P <b>52</b>	L <b>8</b>	# 14		00	e of the f					
nslow, Pete		Ciena					8L48 Ch	ange "sh	ould be set to zero" to "sha	Il be set to zero"		
omment Type E	Comm	ent Status A			ΕZ	OR Delete	PICS M	M222				
IEEE P802.3cg D3			2 through MM20	)4 so the items beir		Response			Response Status <b>C</b>			
inserted by this dra					5	•		RINCIPLE	•			
uggestedRemedy						ACCL						
Change the editing "Insert PICS Items 201x) in the table ir Renumber the PIC	MM205 throug 45.5.3.3 as f	gh MM227 after MI ollows:"	M204 (inserted b	by IEEE Std 802.3c	g-	On P3	8L48 Ch	ange "sh	ould be set to zero" to "sha	ll be set to zero"		
Response	Respor	nse Status C										
ACCEPT.												

Pa **53** Li **22** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ <b>45</b>	SC 45.5.3.3	P53	L <b>25</b>	# 4	46	C/ <b>45</b>	SC 45.5.3.3	P53	L <b>31</b>	# 48	
ienckow	ski, Natalie	General Motors	6			Wienckow	ski, Natalie	General Motors			
omment		Comment Status A			Registers	Comment		Comment Status A			ΕZ
PICS f	or 45.2.194.4 wh	en there is no shall.				Incorre	ect reference				
uggested	Remedy					Suggested	lRemedy				
	e of the following:		ant to zoro" A		l OF Change	Chang	e Subclause fro	m 45.2.1.194.5 to 45.2.1.195.5.			
Subcla OR		uld be set to zero" to "shall be 194.4 to 45.2.1.194.5.	e sel lo zelo A	ND ON P53	L25 Change	Response ACCE	PT.	Response Status C			
esponse		Response Status <b>C</b>				C/ <b>45</b>	SC 45.5.3.7	P <b>54</b>	L <b>7</b>	# 49	
	PT IN PRINCIPLI	•				Wienckow	ski, Natalie	General Motors			
On P3	9L4 Change "sho	ould be set to zero" to "shall be	e set to zero".			Comment Incorre		Comment Status <b>A</b> his is not what is in P802.3:2018			ΕZ
/ <b>45</b> /ienckow:	SC <b>45.5.3.3</b> ski, Natalie	P <b>53</b> General Motors	L <b>28</b>	# 4	47	Suggested Chang	-	m 45.2.3.172.1 to 45.2.3.172.2.			
omment	,	Comment Status A			EZ	Response ACCE		Response Status C			
00	<i>Remedy</i> e Subclause from	1 45.2.1.194.5 to 45.2.1.195.4				C/ 45	SC 45.5.3.7	P <b>54</b>	L13	# 16	
esponse ACCE	PT.	Response Status C				Anslow, Pe <i>Comment</i> In the	Туре Е	Ciena Comment Status A n "after Item RM184" should be	'after Item R	M190"	EZ
/ 45	SC 45.5.3.3	P <b>53</b>	L <b>29</b>	#	170	Suggested	Remedy				
egev, Alc	n	Keysight Techr	nologies			In the	editing instructio	n change "after Item RM184" to	after Item R	M190"	
omment adverti	<i>Type</i> <b>E</b> ising misspelled a	Comment Status A as "advertisingg"			EZ	Response ACCE		Response Status C			
uggested change	<i>Remedy</i> e "advertisingg" to	o "advertising"				C/ <b>45</b>	SC 45.5.3.7	P55	L <b>4</b>	# 86	
esponse ACCE	PT.	Response Status C				Laubach, N <i>Comment</i> "the th	Туре Е	Broadcom Comment Status A			EZ
						<i>Suggested</i> Chang	<i>Remedy</i> e to single "the"				
						Response ACCE		Response Status C			
OMMEN		d ER/editorial required GR/g patched A/accepted R/reject				3	U/unsatisfied	<i>Pa</i> <b>55</b> Z/withdrawn <i>Li</i> <b>4</b>		Page 13 c 7/17/2019	

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 45	SC 45.5.3.7	P <b>55</b>	L <b>4</b>	# <u>1</u> 71		C/ 78	SC 78.1.4	P56	L <b>7</b>	# <u>1</u> 7				
Regev, Al	on	Keysight Tech	nologies			Anslow, P	ete	Ciena						
Comment	51	Comment Status A			EZ	Comment		Comment Status A		EZ				
Suggeste	dRemedy ge all occurances o	e the" in 2 places in the draft of "the the" to "the" <i>Response Status</i> <b>C</b>				http:// Sort 1. Ir 2. Ir 3. D	www.ieee802.org t the result in "sp ncreasing speed. ncreasing reach becreasing numb		-Comments-Fir llowing set of ru e over the medi	nal-byID.pdf#page=14 ules. ium).				
C/ 45	SC 45.5.3.7	P <b>55</b>	L14	# 87				mental rules address are incl nations, by convention, are a						
Laubach, Comment		Broadcom Comment Status A			EZ			ecede "Fiber" PHYs (all else t (all else being equal).	being equal).					
"the tl							<b>U</b> 1	uts 2.5GBASE-T1 before 2.50 pefore 10GBASE-T.	GBASE-T, 5GE	ASE-T1 before 5GBASE-				
Suggeste	ge to single "the"					SuggestedRemedy								
Response ACCE		Response Status C				"Inser 2018) 2018) (unch: Response	, insert a row for , and insert a rov anged rows not s	BASE-T1 after 2.5GBASE-KX 5GBASE-T1 after 5GBASE-K v for 10GBASE-T1 after 10GE	KR (as inserted	by IEEE Std 802.3cb-				
						ACCE	:P1.							
						CI 78	SC 78.2	P <b>56</b>	L <b>29</b>	# 18				
						Anslow, P		Ciena						
						http:// This d Applyi	nent #66 against www.ieee802.org lefined the sort o ing these rules p	Comment Status A P802.3cj D2.0 defined the or g/3/cj/comments/P8023-D2p0 rder to be the same as for Ta uts 2.5GBASE-T1 before 2.50 before 10GBASE-T.	-Comments-Fir ble 78-1	nal-byID.pdf#page=14				
						Suggested	dRemedy							
						"Inser 2018) 2018)	, insert a row for	BASE-T1 after 2.5GBASE-KX 5GBASE-T1 after 5GBASE-k v for 10GBASE-T1 after 10GE	R (as inserted	by IEEE Std 802.3cb-				
						Response	)	Response Status C						
						ACCE	PT.							

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 Pa 56

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 Li 29

 SORT ORDER: Page, Line
 Pa 56

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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

CI <b>78</b>	SC 78.2	P56	L <b>49</b>	# <u>1</u> 9		C/ 78	SC	78.5	P <b>57</b>	L18	#	20	
Anslow, Pe	ete	Ciena				Anslow, P	Pete		Ciena				
Comment	Туре Е	Comment Status A			ΕZ	Comment	t Type	Е	Comment Status A				ΕZ
Suggested In Tab	IRemedy le 78-2 add an e	an ellipsis row at the bottom afte				numb Case-	er 10. -1 and 0	Case 2 st	raphs in 78.5 of the base stand tart with "Case-x of the PHY in start with "Case-x in MultiGBA	the MultiGBAS	E-T set a	pplies whe	
	ASE-T1					Suggeste	dReme	dy					
Response ACCE	PT.	Response Status C				"Inser For C	rt a 10th ase-3 a	n paragra	struction to: ph in 78.5 as follows:" -4, change:				
CI <b>78</b>	SC 78.2	P <b>56</b>	L <b>50</b>	# 50					E-T1 is the same as" to: the MultiGBASE-T set is the s	·			
	ski, Natalie	General Motors				Response			Response Status C	same as			
Comment Missin	<i>Type</i> E g bottom row	Comment Status A			EZ	ACCE			Response Status C				
Suggested	lRemedy					C/ 78	SC	78.5	P <b>57</b>	L <b>26</b>	#	21	
Add ro	ow to bottom of t	table with single column and "'	in the cell.			Anslow, P	Pete		Ciena				
Response		Response Status C				Comment	t Type	Е	Comment Status A				ΕZ
ACCE	PT.								t P802.3cj D2.0 defined the ord				
CI 78	SC 78.3	P <b>57</b>	L <b>5</b>	# 5		This c	defined	the sort of	g/3/cj/comments/P8023-D2p0- order to be the same as for Tab	ole 78-1			
Hajduczen	ia, Marek	Charter Commu	nications						outs 2.5GBASE-T1 before 2.5G before 10GBASE-T.	BASE-T, 5GB/	ASE-T1 b	efore 5GB	ASE-
Comment	Type ER	Comment Status R			PICS	Suggeste							
New s	hall statements	were added, PICS were not upd	ated			00		•	struction to:				
Suggested Add Pl	,	to address new "shall" statemer	nts in the add	ed text		"Inser 2018)	rt a row ), insert	for 2.5G	BASE-T1 after 2.5GBASE-KX r 5GBASE-T1 after 5GBASE-K w for 10GBASE-T1 after 10GB	R (as inserted b	by IEEE S	Std 802.3cl	b-
Response		Response Status C							shown):"		ne 70-4 a	5 10110 105	
REJE	CT.					Response	Э		Response Status C				
	ated to add thes	PICS for 78.3. If this requires F se for all shall statements, includ			buld	ACCE	EPT.						

Pa **57** Li **26** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 78 SC 78.5	P <b>57</b>	L <b>38</b>	# 22	C/ 104 SC	C 104.4.6.3	P <b>62</b>	L <b>54</b>	# <u>2</u> 66
Anslow, Pete	Ciena			Stewart, Heath		Analog Devi	ces	
Comment Type T	Comment Status A		EEE	Comment Type	TR	Comment Status A		PoD
blank.	hrink_tx (max) and Tphy_shrink e parameters are 0, then these	_ 、 ,		standard wa		a NGAUTO PHY. The PS n 1000BASE-T1 (Type B) sion speed.		
SuggestedRemedy				SuggestedRem	edy			
Populate the cells fo new rows with "0"	r Tphy_shrink_tx (max) and Tpl	hy_shrink_rx (ma	ax) in Table 78-4 for the		rt_3ch_01_07	19" Slides 5,6, and 7		
Response ACCEPT IN PRINCI	Response Status <b>C</b> PLE.			Response ACCEPT IN		Response Status C		
Implement changes	requested by Graba_3ch_01a_	0719 pdf		Make chang	ges defined in	stewart_3ch_01a_0719	slides 5 & 6.	
C/ 98 SC 98.5.1	P61	L11	# 224	C/ 104 SC	C 104.5.6.4	P <b>63</b>	L <b>27</b>	# 241
			# 224	Zimmerman, Ge	eorge	ADI, APL G	p, Aquantia, BMV	N, Cisco, Commscope, S
AcClellan, Brett	Marvell			Comment Type	Е	Comment Status A		E
Comment Type T	Comment Status A		EZ	All the "VPD	D", "PPD" refe	rences should have the "	PD" in subscript.	
Figure 149-34 refere 10GigT1 , 5GigT1 , a	and 2.5GigT1 are never referer	nced.		SuggestedRem				
		nced.		Editor to ch		e "PD" and "PSE" subscri	pt where approp	riate. (I think it's just PD)
10GigT1 , 5GigT1 , a SuggestedRemedy change: "— 2.5GigT1;represe	and 2.5GigT1 are never referer	A is the signal so		00		e "PD" and "PSE" subscri <i>Response Status</i> <b>C</b>	pt where appropr	riate. (I think it's just PD)
10GigT1, 5GigT1, a SuggestedRemedy change: "— 2.5GigT1;represe — 5GigT1; represen	and 2.5GigT1 are never referer	A is the signal sourc	e.	Editor to ch Response ACCEPT.			pt where appropr	riate. (I think it's just PD) # 267
10GigT1, 5GigT1, a SuggestedRemedy change: "- 2.5GigT1;represe - 5GigT1; represen - 10GigT1; represe to	and 2.5GigT1 are never referer ents that the 2.5GBASE-T1 PM ts that the 5GBASE-T1 PMA is	A is the signal so the signal sourc is the signal sou	e. ırce. "	Editor to ch Response ACCEPT.	c 104.5.6.4	Response Status C	L40	# [ <u>267</u>
10GigT1, 5GigT1, a SuggestedRemedy change: "- 2.5GigT1;represe - 5GigT1; represen - 10GigT1; represe to "- mGigT1;represer	and 2.5GigT1 are never referer ents that the 2.5GBASE-T1 PM ts that the 5GBASE-T1 PMA is nts that the 10GBASE-T1 PMA	A is the signal so the signal sourc is the signal sou	e. ırce. "	Editor to che Response ACCEPT. Cl 104 SC Stewart, Heath Comment Type Type F syst reused from	C 104.5.6.4 TR rems include a	Response Status C P63 Analog Devi Comment Status A a NGAUTO PHY. The PD I1 (Type B) systems. This	L40 ces	# 2 <u>67</u> PoD
10GigT1, 5GigT1, a SuggestedRemedy change: "- 2.5GigT1;represe - 5GigT1; represen - 10GigT1; represe to "- mGigT1;represer Response ACCEPT.	and 2.5GigT1 are never referents that the 2.5GBASE-T1 PM ts that the 5GBASE-T1 PMA is nts that the 5GBASE-T1 PMA is nts that the 10/5/2.5GBASE-T1 Response Status <b>C</b>	A is the signal so the signal sourc is the signal sou	e. ırce. "	Editor to che Response ACCEPT. Cl 104 SC Stewart, Heath Comment Type Type F syst reused from	C 104.5.6.4 TR TR Marcens include a 1000BASE- nission speed.	Response Status C P63 Analog Devi Comment Status A a NGAUTO PHY. The PD I1 (Type B) systems. This	L40 ces	# 2 <u>67</u> PoD
10GigT1, 5GigT1, a SuggestedRemedy change: "- 2.5GigT1;represen - 5GigT1; represen - 10GigT1; represe to "- mGigT1;represer Response ACCEPT.	and 2.5GigT1 are never referents that the 2.5GBASE-T1 PM ts that the 5GBASE-T1 PMA is nts that the 10GBASE-T1 PMA hts that the 10/5/2.5GBASE-T1 Response Status C P62	A is the signal so the signal sourc is the signal sou PMA is the signa <i>L</i> 10	e. urce. " al source."	Editor to che Response ACCEPT. Cl 104 SC Stewart, Heath Comment Type Type F syst reused from data transm SuggestedRem	C 104.5.6.4 TR rems include a 1000BASE- nission speed. edy	Response Status C P63 Analog Devi Comment Status A a NGAUTO PHY. The PD I1 (Type B) systems. This	L40 ces	# 267 PoD
10GigT1, 5GigT1, a SuggestedRemedy change: "- 2.5GigT1;represe - 5GigT1; represen - 10GigT1; represe to "- mGigT1;represer Response ACCEPT.	and 2.5GigT1 are never referents that the 2.5GBASE-T1 PM ts that the 5GBASE-T1 PMA is ints that the 10GBASE-T1 PMA ints that the 10/5/2.5GBASE-T1 <i>Response Status</i> <b>C</b> <b>3</b> <b>P62</b> ADI, APL Gp, <i>Comment Status</i> <b>A</b>	A is the signal so the signal sourc is the signal sou PMA is the signa <i>L</i> 10	e. urce. " al source." # 240	Editor to che Response ACCEPT. Cl 104 SC Stewart, Heath Comment Type Type F syst reused from data transm SuggestedReme See "steward Response	C 104.5.6.4 TR rems include a 1000BASE- nission speed. edy	Response Status C P63 Analog Devi Comment Status A a NGAUTO PHY. The PD T1 (Type B) systems. This	L40 ces	# 2 <u>67</u> PoD
10GigT1, 5GigT1, a SuggestedRemedy change: "- 2.5GigT1;represe - 5GigT1; represen - 10GigT1; represe to "- mGigT1;represer Response ACCEPT. C/ 104 SC 104.1.3 Zimmerman, George Comment Type E	and 2.5GigT1 are never referents that the 2.5GBASE-T1 PM ts that the 5GBASE-T1 PMA is ints that the 10GBASE-T1 PMA ints that the 10/5/2.5GBASE-T1 <i>Response Status</i> <b>C</b> <b>3</b> <b>P62</b> ADI, APL Gp, <i>Comment Status</i> <b>A</b>	A is the signal so the signal sourc is the signal sou PMA is the signa <i>L</i> 10	e. urce. " al source." # 240 ', Cisco, Commscope, S	Editor to che Response ACCEPT. Cl 104 SC Stewart, Heath Comment Type Type F syst reused from data transm SuggestedReme See "steward Response	C 104.5.6.4 TR rems include a 1000BASE- hission speed. edy rt_3ch_01_07	Response Status C P63 Analog Devi Comment Status A a NGAUTO PHY. The PD I1 (Type B) systems. This 19" Slides 8 and 9	L40 ces	# 267 PoD
10GigT1 , 5GigT1 , a SuggestedRemedy change: "- 2.5GigT1; represe - 5GigT1; represe to "- mGigT1; represe to "- mGigT1; represer Response ACCEPT. C/ 104 SC 104.1.3 Cimmerman, George Comment Type E Capitalization of "typ	and 2.5GigT1 are never referer ents that the 2.5GBASE-T1 PM ts that the 5GBASE-T1 PMA is nts that the 10GBASE-T1 PMA ints that the 10/5/2.5GBASE-T1 <i>Response Status</i> <b>C</b> <b>3 P62</b> ADI, APL Gp, <i>Comment Status</i> <b>A</b> e F PSE" is missing	A is the signal so the signal sourc is the signal sou PMA is the signa <i>L</i> 10	e. urce. " al source." # 240 ', Cisco, Commscope, S	Editor to che Response ACCEPT. Cl 104 SC Stewart, Heath Comment Type Type F syst reused from data transm SuggestedReme See "stewar Response ACCEPT IN	C 104.5.6.4 TR rems include a 1000BASE- ission speed. edy rt_3ch_01_07	Response Status C P63 Analog Devi Comment Status A a NGAUTO PHY. The PD I1 (Type B) systems. This 19" Slides 8 and 9	L40 ces ripple currently i s needs to be ch	# 267 PoL

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: Page, Line

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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 104	SC 104.6	P <b>64</b>	L <b>8</b>	# 6		C/ 125 SC 12	25.2.4.3	P <b>68</b>	L <b>28</b>	# 7 <u></u>	
Hajduczeni	ia, Marek	Charter Comn	nunications			Hajduczenia, Marek		Charter Com	munications		
Comment 1	Type ER	Comment Status A			PICS	Comment Type	ER Con	nment Status A			PICS
		nents were revised (extended)	and one new wa	as added, but the te	ext of	New shall state	ments were ad	ded, PICS were not ι	updated		
	was not updated	d				SuggestedRemedy					
Suggested	2					Per comment					
Per co	mment					Response	Resp	oonse Status <b>C</b>			
Response		Response Status C				ACCEPT IN PR	INCIPLE.				
ACCEF	PT IN PRINCIP	PLE.									
In 104.	.9.4.3 add PICS	for PSETF and PDTF. S for Type F PD ripple and tran for Type F PD measured ripple		rocessing		Clause 98.	Ū	tiation is implemente it is in Clause 149.	ed, it shall meet t	he requirements	of
	.9.4.4 add Type		voltage post pi	occasing		C/ 125 SC 12	25.3	P <b>68</b>	L <b>30</b>	# <u>1</u> 33	
C/ 125	SC 125.1.4	P <b>67</b>	L33	# 23		Grau, Olaf		Robert Bosch	h GmbH		
0/ 123	00 123.1.4	, 01	200	" 23						_	
A		0:				Comment Type	E Con	nment Status A		Fo	ormatting
Anslow, Pe Comment 7		Ciena <i>Comment Status</i> <b>A</b>			EZ	<i>Comment Type</i> Titel on pg 68, <sup>-</sup>				Fo	ormatting
Comment T The rig Suggested	Type E ght hand ruling f IRemedy				lefault.	Titel on pg 68, <sup>-</sup> SuggestedRemedy Headline and Ta Response	Tabel on pg. 69 able shouldn't t <i>Resp</i>		ge break	Fo	ormatting
Comment T The rig Suggested	<i>Type</i> <b>E</b> ght hand ruling f <i>IRemedy</i> ge the right hand	Comment Status A for the second heading row in			lefault.	Titel on pg 68, <sup>-</sup> <i>SuggestedRemedy</i> Headline and Ta	Tabel on pg. 69 able shouldn't t <i>Resp</i>	be separated by a pa	ge break	Fo	ormatting
Comment T The rig Suggested Change	<i>Type</i> <b>E</b> ght hand ruling t <i>IRemedy</i> je the right hand	Comment Status A for the second heading row in d ruling for the second heading			lefault.	Titel on pg 68, <sup>-</sup> SuggestedRemedy Headline and Ta Response ACCEPT IN PR	Tabel on pg. 69 able shouldn't t <i>Resp</i> INCIPLE.	be separated by a pa			ormatting
Comment T The rig Suggested Change Response	<i>Type</i> <b>E</b> ght hand ruling t <i>IRemedy</i> je the right hand	Comment Status A for the second heading row in d ruling for the second heading			lefault.	Titel on pg 68, <sup>-</sup> SuggestedRemedy Headline and Ta Response ACCEPT IN PR	Tabel on pg. 69 able shouldn't t <i>Resp</i> INCIPLE. ry to move the l	be separated by a pa			ormatting
Comment T The rig Suggested Chang Response ACCEF	Type E ght hand ruling f <i>IRemedy</i> ge the right hand PT. SC <b>125.1.4</b>	Comment Status A for the second heading row in d ruling for the second heading <i>Response Status</i> C	row in Table 12	25-2 to the default.	lefault.	Titel on pg 68, <sup>-</sup> SuggestedRemedy Headline and Ta Response ACCEPT IN PR The editor will th	Fabel on pg. 69 able shouldn't t <i>Resp</i> INCIPLE. ry to move the 1 <b>25.3</b>	be separated by a pa bonse Status <b>C</b> Heading for 125-3 to	the next page wi	ith Table 125-3.	rmatting
Comment The rig Suggested Chang Response ACCEF CI 125 Wienckows Comment	<i>Type</i> <b>E</b> ght hand ruling f <i>IRemedy</i> le the right hand PT. SC <b>125.1.4</b> ski, Natalie	Comment Status A for the second heading row in d ruling for the second heading <i>Response Status</i> C <i>P</i> 67 General Motor <i>Comment Status</i> A	row in Table 12	25-2 to the default.	lefault.	Titel on pg 68, <sup></sup> SuggestedRemedy Headline and Ta Response ACCEPT IN PR The editor will th C/ 125 SC 12 Wienckowski, Natal Comment Type	Tabel on pg. 69 able shouldn't t <i>Resp</i> INCIPLE. ry to move the 1 25.3 ie E Con	be separated by a pa bonse Status <b>C</b> Heading for 125-3 to <b>P68</b>	the next page wi	th Table 125-3. # [7 <u>7</u>	EZ
Comment The rig Suggested Chang Response ACCEF CI 125 Wienckows Comment	Type E ght hand ruling f <i>IRemedy</i> ge the right hand PT. SC <b>125.1.4</b> ski, Natalie Type E ect table border	Comment Status A for the second heading row in d ruling for the second heading <i>Response Status</i> C <i>P</i> 67 General Motor <i>Comment Status</i> A	row in Table 12	25-2 to the default.	lefault.	Titel on pg 68, <sup></sup> SuggestedRemedy Headline and Ta Response ACCEPT IN PR The editor will th C/ 125 SC 12 Wienckowski, Natal Comment Type	Tabel on pg. 69 able shouldn't t <i>Resp</i> INCIPLE. ry to move the 1 25.3 ie E Con	be separated by a pa bonse Status C Heading for 125-3 to P68 General Moto mment Status A	the next page wi	th Table 125-3. # [7 <u>7</u>	EZ
Comment T The rig Suggested Change Response ACCEF Cl 125 Wienckows Comment T Incorre Suggested	Type E ght hand ruling f <i>IRemedy</i> ge the right hand PT. SC <b>125.1.4</b> ski, Natalie Type E ect table border <i>IRemedy</i>	Comment Status A for the second heading row in d ruling for the second heading <i>Response Status</i> C <i>P</i> 67 General Motor <i>Comment Status</i> A	row in Table 12 L <b>33</b> rs	25-2 to the default. # <u>42</u>	lefault.	Titel on pg 68, <sup>-</sup> SuggestedRemedy Headline and Ta Response ACCEPT IN PR The editor will th Cl 125 SC 12 Wienckowski, Natal Comment Type Table 125-3 doo SuggestedRemedy Change Editoria	Fabel on pg. 69 able shouldn't t <i>Resp</i> INCIPLE. ry to move the l 25.3 ie E Con es not match IE al instruction to	be separated by a pa bonse Status C Heading for 125-3 to P68 General Moto mment Status A EEE802.3's 2018 guid be" Replace Table	the next page wi L33 ors dline for "Present 125-3 (as modifie	th Table 125-3. # 77 ation of numbers ad by IEEE Std 80	EZ 5". 02.3cb-
Comment T The rig Suggested Change Response ACCEF Cl 125 Wienckows Comment T Incorre Suggested	Type E ght hand ruling f IRemedy le the right hand PT. SC 125.1.4 ski, Natalie Type E ect table border IRemedy le right side boa	Comment Status A for the second heading row in T d ruling for the second heading <i>Response Status</i> C <i>P</i> 67 General Motor <i>Comment Status</i> A ron cell "149"	row in Table 12 L <b>33</b> rs	25-2 to the default. # <u>42</u>	lefault.	Titel on pg 68, <sup>-</sup> SuggestedRemedy Headline and Ta Response ACCEPT IN PR The editor will th Cl 125 SC 12 Wienckowski, Natal Comment Type Table 125-3 doo SuggestedRemedy Change Editoria 2018) with the u number format	Fabel on pg. 69         able shouldn't t         Resp.         INCIPLE.         ry to move the l         25.3         ie         E       Con         es not match IE         al instruction to updated table, vand alignment	be separated by a para bonse Status C Heading for 125-3 to P68 General Moto mment Status A EEE802.3's 2018 guid	the next page wi L33 ors dline for "Present 125-3 (as modifie E-T1 and 5GBAS WG editorial gui	th Table 125-3. # 77 ation of numbers ad by IEEE Std 80 SE-T1 and correctidelines, as follow	EZ 5". 02.3cb- cts the
Comment T The rig Suggested Chang Response ACCEF CI 125 Wienckows Comment T Incorre Suggested Chang Response	Type E ght hand ruling f IRemedy le the right hand PT. SC 125.1.4 ski, Natalie Type E ect table border IRemedy le right side boa	Comment Status A for the second heading row in T d ruling for the second heading <i>Response Status</i> C <i>P</i> 67 General Motor <i>Comment Status</i> A on cell "149"	row in Table 12 L <b>33</b> rs	25-2 to the default. # <u>42</u>	lefault.	Titel on pg 68, <sup>-</sup> SuggestedRemedy Headline and Ta Response ACCEPT IN PR The editor will th Cl 125 SC 12 Wienckowski, Natal Comment Type Table 125-3 doo SuggestedRemedy Change Editoria 2018) with the u number format	Fabel on pg. 69         able shouldn't t         Resp.         clINCIPLE.         ry to move the l         25.3         ie         E       Con         al instruction to updated table, wand alignment to 25-3 to match l	be separated by a pa bonse Status C Heading for 125-3 to P68 General Moto ment Status A EEE802.3's 2018 guid be" Replace Table which adds 2.5GBAS to match IEEE 802.3	the next page wi L33 ors dline for "Present 125-3 (as modifie E-T1 and 5GBAS WG editorial gui	th Table 125-3. # 77 ation of numbers ad by IEEE Std 80 SE-T1 and correctidelines, as follow	02.3cb- cts the

Pa **68** Li **33** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 125 SC 125.3	P <b>69</b>	L <b>8</b>	# 90		C/ 149	SC 149.1.1	P <b>70</b>	L <b>32</b>	# 175	
rowbridge, Steve	Nokia				Baggett, Ti	m	Microchip			
	Comment Status A e pause quanta centered in the		n the 4th column, s	<i>EZ</i> some	Comment T "PHYs"		Comment Status A ssessive as "PHY's"			E.
of the ns numbers are	left aligned and some are cen	itered			Suggested	Remedy				
SuggestedRemedy					Change	e "PHYs data	a rate" to "PHY's data rate	"		
Use consistent alignm	ent in the columns of Table 12	25-3			Response		Response Status C			
Response ACCEPT IN PRINCIPI	Response Status <b>C</b> LE.				ACCER					
Same as comment #7	7				C/ 149	SC 149.1.1	P <b>70</b>	L <b>37</b>	# 93	
					D'Ambrosia	a, John	Futurewei, U.	S. Subsidiary of	f Huawei	
	uction to be "Replace Table 12 d table, which adds 2.5GBASE				Comment		Comment Status R			Scalir
number format and alig	gnment to match IEEE 802.3 Vo match latest IEEE 802.3 WG	WG editorial gu	idelines, as follows		comes		resent scaling parameter is no ighout the document on a sear			
C/ 149 SC 149	P <b>70</b>	L1	# 37		Suggested	Remedy				
Remein, Duane	Futurewei Tec	hnologies, Inc.			Change	e "S" to "Scale	n			
Comment Type E It is customary to inclu Template v3.9.	Comment Status A ide an editing Instruction prior	to new clauses	as noted in the W	<i>EZ</i> /G	Response REJEC	CT.	Response Status C			
SuggestedRemedy Insert before Clause 1		f - 11 11			and 80	2.3bz-2016. TI	sent the scaling parameter is on the scaling parameter is on the scaling parameter is one of the scale of the			2016
	nd corresponding annexes as f	Ollows:			-	Nomenclatur	e 40GBASE-T PHYs described	in Clause 113	represent two distin	oct
Response ACCEPT.	Response Status C				PHY ty	pes that share	the same PCS, PMA, and ME tes between the 25GMII and th	OI specifications	subject to frequen	су
C/ 149 SC 149.1	P <b>70</b>	L12	# 251				e two PHYs, the nomenclature			
len Besten, Gerrit	NXP Semicon				25G/40 40GBA	SE-T PHYs. A	sed to describe specifications	that apply to be	PHYs data rate. th	and e
Comment Type E	Comment Status A			EZ	parame	eter S is used i				
SuggestedRemedy					-	Nomenclatur	e d 5GBASE-T PHYs described	in this clause re	present two distinc	:t
	<b>)</b> '				PHY ty	pes that share	the same PCS, PMA, and MI	OI specifications	subject to frequent	су
Remove the word 'type	Response Status <b>C</b>						ficiently describe the two PHY cifications that apply to both th			

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: Page, Line

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P802.3ch D2.0	
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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.1.	3 P <b>7</b> 1	L <b>27</b>	# 242	C/ <b>149</b>	SC 149.1.3	P <b>72</b>	L14	# <u>1</u> 05	
immerman, George	ADI, APL Gp	o, Aquantia, BM	W, Cisco, Commscor	pe, S Lo, Willia	n	Axonne Inc.			
Comment Type E	Comment Status A			EZ Commen	Type TR	Comment Status A			OAM
In other diagrams th PCS. We should be	e PCS is referred to as 64B/65 consistent.	B RS-FEC PCS	<ol><li>Here it is just RS-F</li></ol>			ent whether OAM in-band or ou "out-of-band", page 120 line 12		"	
SuggestedRemedy				Suggeste	dRemedy				
Change "RS-FEC P	CS" to "64B/65B RS-FEC PCS	" in Figure 149-	1.	Chan	ge page 72 line	14 from out-of-band to in-band	L.		
Response ACCEPT.	Response Status C				EPT IN PRINCIP	Response Status <b>C</b> LE.			
C/ 149 SC 149.1.	B P71	L <b>27</b>	# 193	-	is "out-of-band" L120 change "ir	n-band" to "out-of-band".			
Brandt, David Comment Type <b>E</b> PCS layer label is in	Rockwell Au <i>Comment Status</i> <b>A</b> consistent with Figure 44-1 an			<i>EZ</i> 1000		Maintenance request for Clain nformation is exchanged in-bain			uld be
SuggestedRemedy				C/ 149	SC 149.1.3.	1 P <b>72</b>	L <b>30</b>	# 225	
Change: "RS-FEC P	CS"			McClellar	Brett	Marvell			
To: "64B/65B RS-FE	C PCS"			Commen	,	Comment Status R			EZ
Response	Response Status C					pears to be a different font size	e than other tex	t.	
ACCEPT.				Suggeste					
C/ 149 SC 149.1.	3 P <b>72</b>	L <b>3</b>	# 243	adjus	-				
						Response Status <b>C</b>			
Zimmerman, George	ADI, APL Gp Comment Status A	o, Aquantia, Bivi	W, Cisco, Commscop	EZ REJE					
	SLAVE are synchronized by th				-	FrameMaker and it is the same	as the rest of	the text. This mus	st be
	(see 149.4.2.6)." - this sentend s to be qualified or linked - else			المعيداء	the pdf creation				
	only true when Auto-Negotiati		, , , ,	C/ 149	SC 149.1.3.	1 P72	L38	# 184	
SuggestedRemedy				Brandt, D		Rockwell Auto			
Change "PHYS. The SLAVE are"	e MASTER and SLAVE are"	to "PHYS, and	the MASTER and	Comment		Comment Status A	mation		EZ
					ng dashes.				
Response	Response Status C				dRemedy				
ACCEPT.				Chan	ge: "3260 bit blo 3260-bit block", ii				
				Response	ġ.	Response Status C			

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Pa **72** 

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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149	SC 149.1.3.1	P <b>72</b>	L <b>4</b> 1	# 104	C/ 149	SC 149.1.3.	3 P	273	L24	# 252	
Lo, William	00 143.1.3.1	Axonne Inc.	L71	#104	den Best		-	<sup>73</sup> Semiconducto		# 202	
Comment T	vpe TR	Comment Status A		S	caling Commen	,	Comment Statu		15		FF
		e corrected as "L x 320 / S ns"			0	51	he the LPI transmit n		n there is ar	LPI character in	the
Suggested						64B/65B block of now this is initiate	the RS-frame. In co d by XGMII.	ntrast to how to	exist LPI, it	interestingly does	sn't
"L x 320	0 S ns" should be	e corrected as "L x 320 / S ns"			Suggeste	edRemedy					
Response ACCEF	РТ.	Response Status C					tence before the refe le starts with LPI cha		XGMII.		
C/ 149	SC 149.1.3.1	P <b>72</b>	L <b>41</b>	# 176	Respons REJI		Response Statu	s C			
Baggett, Tir	m	Microchip				-01.					
Comment 7 The sca		Comment Status <b>A</b> (s like units (Siemens)		Se	canng		oned by this comme esolution to commen		,	#227. This may	need
Suggested	Remedy				C/ 149	SC 149.1.3.	<b>3</b> P	73	L <b>24</b>	# 227	
00		o "L x 320 x S ns" (add the mu	ltiply operate	or 'x') as done in othe	er McClella	n, Brett	Mar	vell			
areas o	of the draft (incluc	ing line 54 of the same page)			Commen	t Type ER	Comment Statu	is A			EEI
	PT IN PRINCIPLE	Response Status <b>C</b>			have state	conflicts with the	nuch detail for a non e normative sections d provide a brief sum	. The section se	ounds norma	ative but has no '	
C/ 149	SC 149.1.3.1	P <b>72</b>	L <b>48</b>	# 226		edRemedy					
McClellan, I	Brett	Marvell					aphs starting with: ion the transition to t	he I PI transmit	mode begin	c "	
Comment T	ype E	<i>Comment Status</i> <b>A</b> fined in 149.2, not 149.4.			EZ and		on the transition to th		-		
Suggested					Respons ACC		Response Statu	s C			
change											

Pa **73** Li **24** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.1	.3.3 P73	L <b>34</b>	# 228	C/ 149 SC 149.1.3.4 P74	L <b>8</b> # 229
AcClellan, Brett	Marvell			McClellan, Brett Marvell	
Comment Type TR	Comment Status A		El	Comment Type ER Comment Status A	Auto-Negotiation
XGMII." This statement is in LPI symbol will trig This section has to	cycle continues until the PCS function of conflict with normative text in f ger an exit from LPI. of much detail for a non-normation the normative sections.	149.3.2.2.21 which	h states that any non-	This section has too much detail for a non-normative sur have conflicts with the normative sections. The section statements. It should provide only a summary and refe details. SuggestedRemedy	sounds normative but has no 'shall'
SuggestedRemedy				change text to: "The Link Synchronization function is used when Auto-N	legatistion is disabled or not
"In the transmit dire and	graphs starting with: action the transition to the LPI tr ction the transition to the LPI m <i>Response Status</i> <b>C</b>	0		implemented to detect the presence of the link partner, t as the data source for the PHY control state diagram. Li half-duplex fashion. The MASTER PHY sends a synchror response from the SLAVE, the MASTER repeats sendin the slave detects the sequence, it responds with a synchronization sequence. the SLAVE response then Link Synchronization is succe timers are started, and the PHY Control state machine s is defined in 149.4.2.6."	time and control link failure, and act nk Synchronization operates in a ponization sequence. If there is no ag a synchronization sequence. If If no other detection happens after essfully complete, link monitor
				Response Response Status C	
				ACCEPT IN PRINCIPLE.	
				To accomodate comment 85 change text to: "The Link Synchronization function is used when Auto-N implemented to detect the presence of the link partner, t as the data source for the PHY control state diagram. Li half-duplex fashion. The MASTER PHY sends a synchror response from the SLAVE, the MASTER repeats sendin the slave detects the sequence, it responds with a synch detection happens after the SLAVE response then Link complete, link monitor timers are started, and the PHY O Training. Link synchronization is defined in 149.4.2.6."	time and control link failure, and act nk Synchronization operates in a prization sequence. If there is no or a synchronization sequence. If pronization sequence. If no other Synchronization is successfully
				C/ 149 SC 149.1.3.4 P74	L <b>15</b> # 85
				Maguire, Valerie The Siemon Com	pany
				Comment Type E Comment Status A	State Diagrams
				Use preferred terminology for state diagrams.	
				SuggestedRemedy	
				Replace "state machine" with "state diagram" in the follo L35, P132-L4, P132-L5, P132-L6, P133-L3, P133-L10, a machines" with "state diagrams" on P74-L15.	
				Response Response Status C ACCEPT.	
		<b>u</b> .		general Pa 74 ritten C/closed U/unsatisfied Z/withdrawn Li 15	Page 21 of 61 7/17/2019 7:45:5

SORT ORDER: Page, Line

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.1	.3.4 P75	L13	# <u>5</u> 1	C/ 149	SC 149.1.6	P <b>76</b>	L <b>43</b>	# <u>1</u> 97
Wienckowski, Natalie	General Mc	otors		Dawe, Piers		Mellanox		
Comment Type E	Comment Status A		EZ	Comment Ty	pe TR	Comment Status A		Terminology
fix crooked line				This is n	ot a test spec	ification.		
SuggestedRemedy Make the horizonta	Il line under "tx_mode" straight			someone		ers) take responsibility for the 2%-accurate equipment and		
Response ACCEPT.	Response Status C					omponents in test circuits sha "shall" is inappropriate.	Il be accurate to	within ± 1% unless
C/ 149 SC 149.1	.3.4 P75	L <b>23</b>	# 230			rance muddy the water: Does		
McClellan, Brett	Marvell			e.g. <1 \	, and measu	ed with 0.1%-accurate equipr	nent, is 1.008 V	acceptable?
Comment Type E Figure 149–2 has	Comment Status A superfluous arrow heads pointi	ing to a signal line	State Diagrams that continues along	Anyway, PCS.	this topic doe	es not fit with "conventions in t	his clause", and	does not relate to the
the same path as t	he arrow.			SuggestedRe	emedy			
SuggestedRemedy replace arrows with	n lines at line 23 and line 29			electrica	l specification	rom here. If any substitute is s, and use the language of a		
Response	Response Status C			requirem	ent.			
ACCEPT.				Response ACCEPT	IN PRINCIP	Response Status W		
C/ 149 SC 149.1	.4 P76	L13	# 231		-			-1-1
McClellan, Brett	Marvell				therwise state	f all components in test circuit d"	s shall be accur	ate to within ± 1%
receiver	Comment Status D e status of the local receiver to	the remote PHY t	PCS o indicate that the local	A Mainte may be i		st is required to remove this th	rough 802.3. It	is in Clause 97 and
	ably and requires retraining." naling can convey the need for	a retraining.						
SuggestedRemedy								
delete item g								
Proposed Response REJECT.	Response Status C							
This comment was	WITHDRAWN by the commen	nter.						

Pa **76** Li **43** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

VAmbrooio John				C/ 149 SC	2 149.2.1	P <b>77</b>	L <b>9</b>	# <u>1</u> 98
D'Ambrosia, John	Futurewei, U.	S. Subsidiary of	Huawei	Dawe, Piers		Mellanox		
Comment Type E	Comment Status R		Terminology	Comment Type	TR	Comment Status A		Terminolog
interfaces:	insfers data and control informati	on across the fo	bllowing four service	Negotiation	is optional.	i-2, Nomenclature and clause The Technology Dependent n't think it has any other purpo	Interface is us	
b) Technology Dep	a Independent Interface (XGMII)			SuggestedRem	ədy			
<ul> <li>c) PMA service interest</li> <li>d) Medium depend</li> </ul>	erface			Say that the (so, not if it)	0	y Dependent Interface is requ	uired if Auto-N	egotiation is implements
MDI is not a servic	e interface See definition 1.4.324	•		Response		Response Status W		
SuggestedRemedy				ACCEPT IN	PRINCIPL	E.		
interfaces:		on across the fo	blowing three service	indications a 98.4: To: MultiGB and control	and control ASE-T1 us signals acro	T1 uses the following service signals across the Technolog es the following service primit oss the Technology Depender	iy Dependent ives to exchar	Interface as specified in nge status indications
Response	Response Status C			Implement A	Auto-Negoti	ation, as specified in 98.4:		
REJECT.								

MDI is included in Service Primitives and Interfaces in Clauses 55, 97, 113, 126, etc. Commenter may want to consider creating a Maintenance request to remove this throughout 802.3.

Pa **77** Li **9** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149	SC	149.2.2	P <b>78</b>	L <b>23</b>	÷	# 232	C/ 149	SC	149.2.2		P <b>78</b>	L <b>32</b>	#	<u>1</u> 01	
McClellan	, Brett		Marvell				Lo, Willian	۱			Axonne Inc.				
comment	Туре	TR	Comment Status A			State Diagram	comment	Туре	TR	Comment	t Status A			State D	iagram
detect	tion), bu	ut does no	rs in Figure 149–2 as a serv t appear in 149.2.2.						2.2.12 talks n 4 places.	-	_ALERTDETE	CT.indication but	it is not		
			.indication(alert_detect) is a appear in 149.2.2.	denned service	menac		Suggestee	lReme	edy						
Suggested delete add "a and F add "f	dReme e "send_ alert_de igure 1 PMA_A ge " to	<i>dy</i> _s_sigdet" etect" as a 49–3 LERTDET	from Figure 149–2. dotted line service interface ECT.indication(alert_detect ect" in 149.3.2.3 on page 10 Response Status <b>C</b>	)" to the list in 14		in Figure 149–2	PMA_ 2) Pag Draw 3) Pag Need alert_d 4) Pag	ALER <sup>-</sup> je 79 li eft dot je 75 f a left c detect. je 86 li	ine 28 ited arrow i igure 149-2 dotted line i (I'm not s ine 12	indication(ale labeled PMA_ 2. from PMA RE sure about this	_ALERTDETE	S RECEIVE, line for feedback fro			
•		PRINCIPL	'				Need <i>Response</i>	•	otted line t		EIVE labeled al	ert_detect			
1. Fig 2. Fig labele 3. Fig "PMA 4. P7 5. Fig PCA I	gure 149 gure 149 dure 149 Jure 149 A_ALER 78 L32 a Jure 149 RECEIN	9-2 (P75 L 9-2 (P75 L t_detect" 0-3 (P79 L TDETECT add "PMA 0-4 (P86) a /E box lab	of changes (same as comm .30) remove "send_s_sigdet .33) add dotted arrow line fro 28) add dotted arrow line fro .indication" _ALERTDETECT.indication add dotted up arrow from PN eled "alert_detect" "send_s_sigdet" to "alert_detect"	" and associated om PMA RECEI m PMA to PCS (alert_detect)" to IA SERVICE IN	VE to P labeled o the list	in 149.2.2.	ACCE Make 1. Fig labele 3. Fig "PMA 4. P7 5. Fig PCA F	PT IN the fol ure 14 ure 14 d "aler ure 14 ALER B L32 aure 14 RECEI	19-2 (P75 L 19-2 (P75 L t_detect" 9-3 (P79 L RTDETECT add "PMA 9-4 (P86) a VE box lab	E. of changes (s .30) remove " .33) add dotte 28) add dotte f.indication" ALERTDET add dotted up peled "alert_d	same as comm "send_s_sigdet ed arrow line fro ed arrow line fro ECT.indication arrow from PN	" and associated om PMA RECEI om PMA to PCS (alert_detect)" to MA SERVICE IN	VE to PC labeled o the list	in 149.2.2	2.
							C/ 149	SC	149.2.2.1	2.3	P <b>85</b>	L17	#	24	
							Anslow, P	ete			Ciena				
							Comment	,,	E and "Figure		t Status <b>A</b>	ferences			I

"149.3.2.3" and "Figure 149-17" should be cross-references.

SuggestedRemedy

Make "149.3.2.3" and "Figure 149-17" cross-references.

Response Response Status C

ACCEPT.

Pa **85** Li **17** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.3	.2.2	P <b>87</b>	L14	# 209		C/ 149	SC ·	49.3.2.2		P <b>87</b>	L <b>48</b>	# <u>8</u> 1
McClellan, Brett	Μ	arvell				Slavick, Je	eff			Broadcom		
Comment Type E	Comment Sta	atus A			ΕZ	Comment	Туре	TR	Comment S	Status A		Interleave
"RS_FEC" is incon	sistent with other tex	t using "RS-F	EC"									anywhere. So for 10G
SuggestedRemedy												I in this line implies
change "RS_FEC"	to "RS-FEC"							ll should b		ive that but i d	ion i see any text	for that (which is
Response	Response Sta	tus <b>C</b>				Suggested	dRemed	V				
ACCEPT.											which is detern	
C/ 149 SC 149.3	2.2	P <b>87</b>	L <b>38</b>	# 178					ppropriate pla for 5G and 10		nes the priority re	esolution of the
			230	# 170					o new sub-clau			
Baggett, Tim		licrochip				Response			Response S	tatus W		
Comment Type E Mispelling "fame"	Comment Sta	atus <b>A</b>			EZ	ACCE	PT IN P	RINCIPLE	, I.			
SuggestedRemedy												le choices of L are 1, 2,
Change "FEC fame	" to " FEC frame"											oField exchange." To 1, 2, and 4. The
Response	Response Sta	tus C										be different, and the
ACCEPT.						value	of L use	d by the ti		etermined by t		nd signaled during the
C/ 149 SC 149.3	.2.2	P <b>87</b>	L <b>39</b>	# 177			-			-	round robin interl	leaving, add new first
Baggett, Tim	Μ	licrochip				parag	raph: "Tl	ne interlea	ver depth L of	the transmitte	er shall be set to	the InterleaverDepth
Comment Type E	Comment Sta	atus A			ΕZ	reque	sted by t	he link pa	rtner during In	foField excha	nge, as specified	in 149.4.2.4.5."
l think it would be u 1800 PAM4 symbo	seful to indicate that s.	the block of 3	3600 bits are e	ncoded into a bloo	k of				T16 and renun		ent PICS:	
SuggestedRemedy								9.3.2.2.16				
Change:								ver depth	set to value re	equested by li	nk partner during	g infofield exchange
	is frame are then en	coded into PA	AM4 symbols a	and transferred to t	he	Status	5: IVI					
PMA." to:						PICS	Editor to	update P	ICS as neces	sary.		
	is frame are then en PMA."	coded into 18	00 PAM4 sym	bols and transferre	ed							
Response	Response Sta	tus <b>C</b>										
,												

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C/ 149 SC 149.3.2.2	.2 P88	L <b>40</b>	# 210		C/ 149 SC 149.3.2	.2.4 P89	L44	#	1 <u>36</u>
AcClellan, Brett	Marvell				Wu, Peter	Marvell			
Comment Type T	Comment Status A			ΕZ	Comment Type E	Comment Status A			E
	nables the receiver to achie	ve PCS synchror	nization alignment of	on	Some arrows in the o	liagram are too long			
the incoming PHY bit s This text is not correct.	tream." Alignment is found during ti	aining.			SuggestedRemedy				
SuggestedRemedy	, ingrinter to realize daming in	sg.			Need to be aligned				
delete this sentence.					Response	Response Status C			
Response	Response Status <b>C</b>				ACCEPT.				
ACCEPT.	Response Status				C/ 149 SC 149.3.2	.2.2 P90	L38	#	211
							L30	#	211
C/ 149 SC 149.3.2.2	.3 P89	L <b>8</b>	# 52		McClellan, Brett	Marvell			
Vienckowski, Natalie	General Mote	ors			Comment Type TR	Comment Status A	h warka with da in	atorio a vin a	Interleav
Comment Type E	Comment Status A			EZ	0	ot show how the receive pat	in works with de-in	iteneaving.	
Missing Oxford comma					SuggestedRemedy				
SuggestedRemedy					either change to the only applies to L=1.	figure to include de-interleav	ving or add a note	e indicating t	that this figure
buyyesieunemeuy					only applied to L=1.				
	lock type fields, data octets	and control char	acters are shown a	IS	Deemenee				
Change: Contents of b hexadecimal values.				IS	Response	Response Status C			
Change: Contents of b hexadecimal values. To: Contents of block t	lock type fields, data octets type fields, data octets, and			IS	Response ACCEPT IN PRINCII	,			
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values.	type fields, data octets, and			IS	ACCEPT IN PRINCI	,	rman_3ch_02_07	19.pdf.	
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response				IS	ACCEPT IN PRINCI	PLE.	rman_3ch_02_071	19.pdf.	
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values.	type fields, data octets, and		rs are shown as	IS	ACCEPT IN PRINCI Change the text in 14 Change fig 149-6:	PLE. 19.3.2.2 as shown in zimme		·	
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT.	type fields, data octets, and Response Status <b>C</b>			IS	ACCEPT IN PRINCI Change the text in 14 Change fig 149-6: change the block nar	PLE.		·	FEC (360,326
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT. Cl 149 SC 149.3.2.2	type fields, data octets, and Response Status <b>C</b>	control character	rs are shown as	IS	ACCEPT IN PRINCI Change the text in 14 Change fig 149-6:	PLE. 19.3.2.2 as shown in zimme		·	EC (360,326
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT. Cl 149 SC 149.3.2.2 Brandt, David	type fields, data octets, and Response Status C .4 P89	control character	rs are shown as	IS EZ	ACCEPT IN PRINCI Change the text in 14 Change fig 149-6: change the block nar encoder"	PLE. 19.3.2.2 as shown in zimme	oder" to "Interleave	·	FEC (360,326
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT. C/ 149 SC 149.3.2.2. Brandt, David Comment Type E	type fields, data octets, and <i>Response Status</i> <b>C</b> .4 <i>P</i> 89 Rockwell Aut	control character	rs are shown as		ACCEPT IN PRINCI Change the text in 14 Change fig 149-6: change the block nar encoder" Editor to add note to	PLE. 19.3.2.2 as shown in zimme ne "RS-FEC (360,326) enco Figure that the case shown	oder" to "Interleave is L=1.	er and RS-F	
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT. Cl 149 SC 149.3.2.2. Brandt, David Comment Type E Figure 149-6 lacks arro	type fields, data octets, and Response Status C .4 P89 Rockwell Aut Comment Status A	control character	rs are shown as		ACCEPT IN PRINCI Change the text in 14 Change fig 149-6: change the block nar encoder" Editor to add note to	PLE. 19.3.2.2 as shown in zimme ne "RS-FEC (360,326) enco	oder" to "Interleave is L=1.	er and RS-F	
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT. C/ 149 SC 149.3.2.2. Brandt, David Comment Type E Figure 149-6 lacks arro	type fields, data octets, and <i>Response Status</i> <b>C</b> .4 <i>P</i> 89 Rockwell Aut <i>Comment Status</i> <b>A</b> tw ends on TXD<32> and TX	control character	rs are shown as		ACCEPT IN PRINCI Change the text in 14 Change fig 149-6: change the block nar encoder" Editor to add note to change the encoded	PLE. 19.3.2.2 as shown in zimme ne "RS-FEC (360,326) enco Figure that the case shown	oder" to "Interleave is L=1. how the L interlea	er and RS-F	ed blocks
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT. Cl 149 SC 149.3.2.2. Brandt, David Comment Type E Figure 149-6 lacks arro SuggestedRemedy Add arrow ends on TXE Response	type fields, data octets, and <i>Response Status</i> <b>C</b> .4 <i>P</i> 89 Rockwell Aut <i>Comment Status</i> <b>A</b> tw ends on TXD<32> and TX	control character	rs are shown as		ACCEPT IN PRINCI Change the text in 14 Change fig 149-6: change the block nar encoder" Editor to add note to change the encoded	PLE. 19.3.2.2 as shown in zimme ne "RS-FEC (360,326) enco Figure that the case shown block after the encoder to s frame at the end to an RS-F	oder" to "Interleave is L=1. how the L interlea	er and RS-F	ed blocks
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT. Cl 149 SC 149.3.2.2. Brandt, David Comment Type E Figure 149-6 lacks arro SuggestedRemedy Add arrow ends on TXE	type fields, data octets, and <i>Response Status</i> <b>C</b> .4 <i>P</i> 89 Rockwell Aut <i>Comment Status</i> <b>A</b> w ends on TXD<32> and TXD O<32> and TXD<63>.	control character	rs are shown as		ACCEPT IN PRINCIN Change the text in 14 Change fig 149-6: change the block nar encoder" Editor to add note to change the encoded change the RS-FEC and change fig 149-7	PLE. 19.3.2.2 as shown in zimme ne "RS-FEC (360,326) enco Figure that the case shown block after the encoder to s frame at the end to an RS-F frame sync from an RS-FE	oder" to "Interleave is L=1. how the L interlea FEC superframe sl	er and RS-F aved encode howing L x	ed blocks 1800 symbols
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT. C/ 149 SC 149.3.2.2. Brandt, David Comment Type E Figure 149-6 lacks arro SuggestedRemedy Add arrow ends on TXE Response	type fields, data octets, and <i>Response Status</i> <b>C</b> .4 <i>P</i> 89 Rockwell Aut <i>Comment Status</i> <b>A</b> w ends on TXD<32> and TXD O<32> and TXD<63>.	control character	rs are shown as		ACCEPT IN PRINCIN Change the text in 14 Change fig 149-6: change the block nar encoder" Editor to add note to change the encoded change the RS-FEC and change fig 149-7 change the output of showing L x 1800 syn	PLE. 19.3.2.2 as shown in zimme ne "RS-FEC (360,326) enco Figure that the case shown block after the encoder to s frame at the end to an RS-F frame sync from an RS-FE	oder" to "Interleave is L=1. FEC superframe sl C frame to an RS-	er and RS-F aved encode howing L x	ed blocks 1800 symbols
Change: Contents of b hexadecimal values. To: Contents of block t hexadecimal values. Response ACCEPT. C/ 149 SC 149.3.2.2. Brandt, David Comment Type E Figure 149-6 lacks arro SuggestedRemedy Add arrow ends on TXE Response	type fields, data octets, and <i>Response Status</i> <b>C</b> .4 <i>P</i> 89 Rockwell Aut <i>Comment Status</i> <b>A</b> w ends on TXD<32> and TXD O<32> and TXD<63>.	control character	rs are shown as		ACCEPT IN PRINCI Change the text in 14 Change fig 149-6: change the block nar encoder" Editor to add note to change the encoded change the encoded change the RS-FEC and change fig 149-7 change the output of showing L x 1800 syn	PLE. 19.3.2.2 as shown in zimme ne "RS-FEC (360,326) enco Figure that the case shown block after the encoder to s frame at the end to an RS-F frame sync from an RS-FE nbols	oder" to "Interleave is L=1. how the L interlea FEC superframe sl C frame to an RS- is L=1.	er and RS-F aved encode howing L x -FEC superf	ed blocks 1800 symbols frame

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 Page 26 of 61 Pa **90** Li 38 7/17/2019 7:45:54 AM SORT ORDER: Page, Line

P802.3ch D2.0	
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C/ 149 SC 149	.3.2.2.4	P <b>90</b>	L <b>43</b>	# 91		C/ 149	SC 149.3.2.	2.15	P <b>94</b>	L <b>41</b>	# 53	
Trowbridge, Steve		Nokia				Wienckow	ski, Natalie	G	General Motor	S		
Comment Type E	Comme	nt Status A			ΕZ	Comment	Туре Т	Comment St	atus A			ΕZ
Many elements o	f Figure 149-7 do	n't quite line up				Incorre	ect reference					
SuggestedRemedy						Suggested	dRemedy					
Use the recomme to align	ended Pete Anslo	w tricks of exact p	oixel position and	d size to get every	thing		ge: In Equation ( Equation (149-1					
Response ACCEPT.	Response	e Status C				Response ACCE		Response Sta	atus C			
	.3.2.2.13	P <b>94</b>	L13	# 212		C/ 149	SC 149.3.2.2	2 15	P <b>94</b>	L <b>41</b>	# 179	
McClellan, Brett	.0.2.2.10	Marvell	210	" 212				-	/icrochip		" [113	
Comment Type E	Comme	nt Status A			ΕZ	Baggett, T Comment		Comment St				EZ
change "transcoo			crambler"		LZ					nced equation d	oes not have an a	
SuggestedRemedy						Suggested	Romody					
change "transcoo	ler/scrambler" to "	'transcoder and s	crambler"				nce "Equation (1	149-1)"				
Response	Respons	e Status C				Response	• •	Response Sta				
ACCEPT.						ACCE		Response Sta				
C/ 149 SC 149	.3.2.2.14	P <b>94</b>	L <b>23</b>	# 213		C/ 149	SC 149.3.2.2	2 15	P <b>94</b>	L <b>41</b>	# 214	
McClellan, Brett		Marvell								241	# 214	
Comment Type E	Comme	nt Status A			ΕZ	McClellan,			larvell			
	ment of the vecto			149.3.2.2.2 where RS-FEC encoder a		1 0	94 line 41	Comment St r in equation 149-				EZ
		ed a reference. N	otation is defined	d in 149.3.2.2.3, no	ot	Suggested			-			
149.3.2.2.2.						00	,	149–3)," to "In Ec	uation (149–1	1)."		
SuggestedRemedy						Response	• •	,.		.,,		
change "149.3.2. change "For both			49.3.2.2.15)"			ACCE		Response Sta				
Response	Respons	e Status C										
ACCEPT.												

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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.3.	2.2.15	P <b>94</b>	L <b>51</b>	# 137		C/ 149	SC 149.3.2	2.15	P <b>95</b>	L <b>28</b>	# 287	
Nu, Peter	Γ	Marvell				Tu, Mike			Broadcom			
Comment Type T	Comment St	tatus A			ΕZ	Comment	Туре Т	Comme	nt Status A			PCS
The equation is wro											nis is mathematic	
mi,j = tx_RSmessag	ge <(359 - i) 10 + j>	•, i = 0 to 325, j	j = 0 to 9. ind	ex out of range							ause confusions a	and
SuggestedRemedy							•	the future wh	en people look a	t this figure.		
It should be change						Suggested	-					
mi,j = tx_RSmessag	ge <(325 - i) 10 + j>	•, i = 0 to 325, j	j = 0 to 9.								arrowed line into	
Response	Response St	atus C					lier with a straig		cting to the outpu	it of that multipli	er. Also replace t	ne text
ACCEPT.						g_0 . Response	-		e Status <b>C</b>			
C/ 149 SC 149.3.	2 2 45	P <b>94</b>	L <b>52</b>	# 180		ACCEI		псэронз				
	-	-	L <b>32</b>	# 160		AUGE						
Baggett, Tim		Microchip				C/ 149	SC 149.3.2	2.16	P <b>95</b>	L <b>45</b>	# 126	
Comment Type E	Comment Si				ΕZ	Nicholl, Sh	nawn		Xilinx			
Equation m sub(i,j)	could be written a b	bit more clear.				Comment	Type E	Comme	nt Status A			EZ
SuggestedRemedy						Sub-cl	lauses 149.3.2.	2.13 through	149.3.2.2.20 app	ear to be walkin	g through the Tx	
Change:						functio	ons in order. He	owever. 149.3	3.2.2.16 is in the	wrong place. Th	ne superframe for	mation
"tx_RSmessage <(3	359-i) 10 +j>,i = 0 to	o 325,j = 0 to 9	."						before the RS e			
To:	, ,						terleaving (if pr					
- 0 (	359-i) x 10 +j>, for i	= 0 to 325, an				and int <i>Suggested</i> Move s	terleaving (if pr <i>IRemedy</i> sub-clause "14	esent) occurs 9.3.2.2.16 RS	before the RS ends	ncoder.	n interleaving" be	
To: "tx_RSmessage <(3 (Add multiply operat	359-i) x 10 +j>, for i	= 0 to 325, and ind")				and int <i>Suggested</i> Move s sub-cla	terleaving (if pr <i>IRemedy</i> sub-clause "149 ause "149.3.2.2	esent) occurs 9.3.2.2.16 RS 2.15 Reed Sol	before the RS end G-FEC superframe lomon encoder"	ncoder.		
To: "tx_RSmessage <(3	859-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i>	= 0 to 325, and ind")				and int <i>Suggested</i> Move s	terleaving (if pr <i>IRemedy</i> sub-clause "149 ause "149.3.2.2	esent) occurs 9.3.2.2.16 RS 2.15 Reed Sol	before the RS ends	ncoder.		
To: "tx_RSmessage <(3 (Add multiply operat <i>Response</i> ACCEPT IN PRINC	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE.	= 0 to 325, an ind") atus <b>C</b>	d j = 0 to 9."			and int <i>Suggested</i> Move s sub-cla	terleaving (if pr <i>IRemedy</i> sub-clause "14 ause "149.3.2.2	esent) occurs 9.3.2.2.16 RS 2.15 Reed Sol	before the RS end G-FEC superframe lomon encoder"	ncoder.		
To: "tx_RSmessage <(3 (Add multiply operat <i>Response</i> ACCEPT IN PRINC Make the suggested	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes,	= 0 to 325, an ind") atus <b>C</b> but don't over	d j = 0 to 9."	ical change made	by	and int Suggested Move s sub-cla Response	terleaving (if pr <i>IRemedy</i> sub-clause "14 ause "149.3.2.2	esent) occurs 9.3.2.2.16 RS 2.15 Reed So <i>Respons</i>	before the RS end G-FEC superframe lomon encoder"	ncoder.	in interleaving" be	
To: "tx_RSmessage <(3 (Add multiply operat <i>Response</i> ACCEPT IN PRINC Make the suggested Comment #137 cha	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, nging the first "359	= 0 to 325, an ind") atus <b>C</b> , but don't over " to "325".	d j = 0 to 9." write the techr		by	and int Suggested Move s sub-cla Response ACCEI Cl 149	terleaving (if pr <i>IRemedy</i> sub-clause "14 ause "149.3.2.2 PT. SC <b>149.3.2</b>	esent) occurs 9.3.2.2.16 RS 2.15 Reed So <i>Respons</i>	before the RS end FEC superframe lomon encoder" e Status C	ncoder. e and round robi	in interleaving" be	
To: "tx_RSmessage <(3 (Add multiply operation Response ACCEPT IN PRINC Make the suggested Comment #137 cha C/ 149 SC 149.3.	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, inging the first "359 <b>2.2.15</b>	= 0 to 325, an ind") atus C but don't over " to "325". P <b>95</b>	d j = 0 to 9."	iical change made # 125	by	and int Suggested Move s sub-cla Response ACCEI Cl 149 Slavick, Je	terleaving (if pr <i>IRemedy</i> sub-clause "14 ause "149.3.2.2 PT. SC <b>149.3.2</b>	esent) occurs 9.3.2.2.16 RS 2.15 Reed So <i>Respons</i> 2.15	S-FEC superframe lomon encoder" e Status C	ncoder. e and round robi	in interleaving" be	efore
To: "tx_RSmessage <(3 (Add multiply operat <i>Response</i> ACCEPT IN PRINC Make the suggester Comment #137 cha C/ 149 SC 149.3. Nicholl, Shawn	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, inging the first "359 <b>2.2.15</b>	= 0 to 325, an ind") atus C but don't over " to "325". P <b>95</b> Killinx	d j = 0 to 9." write the techr			and int Suggested Move s sub-cla Response ACCEI Cl 149 Slavick, Je Comment	terleaving (if pr <i>IRemedy</i> sub-clause "14 ause "149.3.2.2 PT. SC <b>149.3.2</b> eff <i>Type</i> <b>E</b>	esent) occurs 0.3.2.2.16 RS 2.15 Reed So <i>Respons</i> 2.15 2.15	FEC superframe lomon encoder" e Status C P96 Broadcom nt Status A	ncoder. e and round robi	in interleaving" be # 7 <u>8</u>	efore
To: "tx_RSmessage <(3 (Add multiply operat <i>Response</i> ACCEPT IN PRINC Make the suggested Comment #137 cha <i>CI</i> <b>149</b> <i>SC</i> <b>149.3.</b> Nicholl, Shawn <i>Comment Type</i> <b>E</b>	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, inging the first "359 <b>2.2.15</b>	= 0 to 325, an ind") atus C but don't over " to "325". P95 Xilinx tatus A	d j = 0 to 9." write the techr	# 125	EZ	and int Suggested Move s sub-cla Response ACCEI C/ 149 Slavick, Je Comment Table	terleaving (if pr <i>Remedy</i> sub-clause "14 ause "149.3.2.2 PT. SC <b>149.3.2</b> eff <i>Type</i> <b>E</b> 149-3 spans ov	esent) occurs 0.3.2.2.16 RS 2.15 Reed So <i>Respons</i> 2.15 2.15	FEC superframe lomon encoder" e Status C P96 Broadcom nt Status A	ncoder. e and round robi	in interleaving" be	efore
To: "tx_RSmessage <(3 (Add multiply operat <i>Response</i> ACCEPT IN PRINC Make the suggester Comment #137 cha <i>CI</i> <b>149</b> <i>SC</i> <b>149.3.</b> Nicholl, Shawn <i>Comment Type</i> <b>E</b> There is an orphan	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, inging the first "359 <b>2.2.15</b> <i>Comment St</i> statement containir	= 0 to 325, and ind") atus C but don't over " to "325". P95 Xilinx tatus A ng that mentior	d j = 0 to 9." write the techr L6	# <u>125</u> ed, but makes no o	EZ	and int Suggested Move s sub-cla Response ACCEI C/ 149 Slavick, Je Comment Table	terleaving (if pr <i>Remedy</i> sub-clause "14 ause "149.3.2.2 PT. SC <b>149.3.2</b> eff <i>Type</i> <b>E</b> 149-3 spans ov <i>Remedy</i>	esent) occurs 9.3.2.2.16 RS 2.15 Reed So <i>Respons</i> 2.15 2.15 <i>Comme</i> rer two pages	E-FEC superframe lomon encoder" e Status C P96 Broadcom nt Status A . It'd be useful to	ncoder. e and round robi L1 o have all inform	in interleaving" be # 7 <u>8</u> ation on a single	ofore
To: "tx_RSmessage <(3 (Add multiply operat <i>Response</i> ACCEPT IN PRINC Make the suggester Comment #137 cha C/ 149 SC 149.3. Nicholl, Shawn <i>Comment Type</i> E There is an orphan mention to tx_scram	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, inging the first "359 <b>2.2.15</b> <i>Comment St</i> statement containir nbled in the sub-cla	= 0 to 325, and ind") atus C but don't over " to "325". P95 Xilinx tatus A ng that mentior iuse. Also, the	d j = 0 to 9." write the techr L6	# <u>125</u> ed, but makes no o	EZ	and int Suggested Move s sub-cla Response ACCEI Cl 149 Slavick, Je Comment Table Suggested Make	terleaving (if pr IRemedy sub-clause "14 ause "149.3.2.2 PT. SC <b>149.3.2</b> off <i>Type</i> <b>E</b> 149-3 spans ov IRemedy Table 149-3 ha	esent) occurs 0.3.2.2.16 RS 2.15 Reed So <i>Respons</i> 2.15 Commen rer two pages ve 4 columns	FEC superframe FEC superframe lomon encoder" <i>e Status</i> <b>C</b> <i>P</i> 96 Broadcom <i>nt Status</i> <b>A</b> . It'd be useful to so the table can	ncoder. e and round robi L1 o have all inform	in interleaving" be # 7 <u>8</u> ation on a single	ofore
To: "tx_RSmessage <(3 (Add multiply operat Response ACCEPT IN PRINC Make the suggested Comment #137 cha C/ 149 SC 149.3. Nicholl, Shawn Comment Type E There is an orphan in mention to tx_scram 149.3.2.2.14 says n	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, inging the first "359 <b>2.2.15</b> <i>Comment St</i> statement containir nbled in the sub-cla	= 0 to 325, and ind") atus C but don't over " to "325". P95 Xilinx tatus A ng that mentior iuse. Also, the	d j = 0 to 9." write the techr L6	# <u>125</u> ed, but makes no o	EZ	and int Suggested Move s sub-cla Response ACCEI Cl 149 Slavick, Je Comment Table Suggested Make	terleaving (if pr IRemedy sub-clause "14 ause "149.3.2.2 PT. SC <b>149.3.2</b> off <i>Type</i> <b>E</b> 149-3 spans ov IRemedy Table 149-3 ha	esent) occurs 0.3.2.2.16 RS 2.15 Reed So <i>Respons</i> 2.15 Commen rer two pages ve 4 columns <i>Respons</i>	E-FEC superframe lomon encoder" e Status C P96 Broadcom nt Status A . It'd be useful to	ncoder. e and round robi L1 o have all inform	in interleaving" be # 7 <u>8</u> ation on a single	efore
To: "tx_RSmessage <(3 (Add multiply operat Response ACCEPT IN PRINC Make the suggested Comment #137 cha C/ 149 SC 149.3. Nicholl, Shawn Comment Type E There is an orphan mention to tx_scram 149.3.2.2.14 says n SuggestedRemedy	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, inging the first "359 <b>2.2.15</b> <i>Comment St</i> statement containir nbled in the sub-cla iothing about tx_scr	= 0 to 325, and ind") atus C but don't over " to "325". P95 Kilinx tatus A ng that mentior nuse. Also, the rambled.	d j = 0 to 9." write the techr L6 hs tx_scramble cross-referen	# 125 ed, but makes no o ce is wrong since	EZ	and int Suggested Move s sub-cla Response ACCEI Cl 149 Slavick, Je Comment Table Suggested Make	terleaving (if pr IRemedy sub-clause "14 ause "149.3.2.2 PT. SC <b>149.3.2</b> off <i>Type</i> <b>E</b> 149-3 spans ov IRemedy Table 149-3 ha	esent) occurs 0.3.2.2.16 RS 2.15 Reed So <i>Respons</i> 2.15 Commen rer two pages ve 4 columns <i>Respons</i>	FEC superframe FEC superframe lomon encoder" <i>e Status</i> <b>C</b> <i>P</i> 96 Broadcom <i>nt Status</i> <b>A</b> . It'd be useful to so the table can	ncoder. e and round robi L1 o have all inform	in interleaving" be # 7 <u>8</u> ation on a single	efore
To: "tx_RSmessage <(3 (Add multiply operat Response ACCEPT IN PRINC Make the suggested Comment #137 cha C/ 149 SC 149.3. Nicholl, Shawn Comment Type E There is an orphan mention to tx_scram 149.3.2.2.14 says n SuggestedRemedy Remove the statem	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, inging the first "359 <b>2.2.15</b> <i>Comment St</i> statement containin nbled in the sub-cla iothing about tx_scr ent "tx_scrambled<	= 0 to 325, and ind") atus C but don't over " to "325". P95 Xilinx tatus A ng that mention suse. Also, the rambled.	d j = 0 to 9." write the techr L6 hs tx_scramble cross-referen	# 125 ed, but makes no o ce is wrong since	EZ	and int Suggested Move s sub-cla Response ACCEI Cl 149 Slavick, Je Comment Table Suggested Make Response ACCEI	terleaving (if pr IRemedy sub-clause "14 ause "149.3.2.2 PT. SC 149.3.2 eff Type E 149-3 spans ov IRemedy Table 149-3 ha PT IN PRINCIF	esent) occurs 0.3.2.2.16 RS 2.15 Reed So <i>Respons</i> 2.15 Commen rer two pages ve 4 columns <i>Respons</i> PLE.	FEC superframe FEC superframe lomon encoder" <i>e Status</i> <b>C</b> <i>P</i> 96 Broadcom <i>nt Status</i> <b>A</b> . It'd be useful to so the table can <i>e Status</i> <b>C</b>	ncoder. e and round robi	in interleaving" be # 7 <u>8</u> ation on a single	ofore
To: "tx_RSmessage <(3 (Add multiply operat Response ACCEPT IN PRINC Make the suggested Comment #137 cha C/ 149 SC 149.3. Nicholl, Shawn Comment Type E There is an orphan mention to tx_scram 149.3.2.2.14 says n SuggestedRemedy	359-i) x 10 +j>, for i tor "x", "for", and "a <i>Response St</i> IPLE. d editorial changes, inging the first "359 <b>2.2.15</b> <i>Comment St</i> statement containir nbled in the sub-cla iothing about tx_scr	= 0 to 325, and ind") atus C but don't over " to "325". P95 Xilinx tatus A ng that mention suse. Also, the rambled.	d j = 0 to 9." write the techr L6 hs tx_scramble cross-referen	# 125 ed, but makes no o ce is wrong since	EZ	and int Suggested Move s sub-cla Response ACCEI Cl 149 Slavick, Je Comment Table Suggested Make Response ACCEI	terleaving (if pr IRemedy sub-clause "14 ause "149.3.2.2 PT. SC 149.3.2 eff Type E 149-3 spans ov IRemedy Table 149-3 ha PT IN PRINCIF	esent) occurs 0.3.2.2.16 RS 2.15 Reed So <i>Respons</i> 2.15 Commen rer two pages ve 4 columns <i>Respons</i> PLE.	FEC superframe FEC superframe lomon encoder" <i>e Status</i> <b>C</b> <i>P</i> 96 Broadcom <i>nt Status</i> <b>A</b> . It'd be useful to so the table can	ncoder. e and round robi	in interleaving" be # 7 <u>8</u> ation on a single	efore

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: Page, Line

Pa **96** Li **1**  Page 28 of 61 7/17/2019 7:45:54 AM

ACCEPT.

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

Cl 149 SC 149.3.2.2.16 P97 L20 #	215	C/ 149	SC ·	149.3.2.2	.16	P <b>97</b>	L <b>25</b>	# 1 <u>27</u>	
McClellan, Brett Marvell		Nicholl, Sh	awn			Xilinx			
Comment Type ER Comment Status R	Terminology	Comment	Туре	Е	Comm	ent Status A		R	S-FEC
Using m as the variable for frame message and superframe message bits ma confusing to the reader. same issue for p	ay be	superfi	rame" a	ind onwa	rd talk abo	S-FEC frames are out functions that ha ted after RS encode	appen after RS e		. – –
SuggestedRemedy		Suggested	Remed	'y					
Define and use another variable for superframe message bits and also for su parity bits.	uperframe	Scram	bler". I	n the nev	/ sub-clau	e "RS-FEC Recomi se put the text "The ws it, currently four	e L encoded RS-	FEC frames are	
Response Response Status C				. anu a			10 11 149.3.2.2.1	0	
REJECT.		Response			Respon	nse Status C			
The commenter does not explain why this may be confusing. Single letters a	are regularly	ACCE	PT.						
used for variables.		C/ 149	SC ·	149.3.2.2	.16	P <b>97</b>	L <b>49</b>	# 79	
There is no specific suggested remedy provided by the commenter.		Slavick, Je				Broadcom			
C/         149         SC         149.3.2.2.16         P97         L 21         #           Slavick, Jeff         Broadcom	80		ure 149-			nent Status <b>R</b> rmbols in and out for a and out.	or RS Encoder #		S-FEC with
Comment Type T Comment Status A	RS-FEC	Suggested	IRemed	v					
The phrase "Compared to the non-interleaving case," is not very straightforwa	ard.	Chang		, 1325 and	m324 for l	both the input and	output side of R	SENCODER #L to	be
SuggestedRemedy		Response		-	Respor	nse Status W			
Change "Compared to the non-interleaving case, each RS-FEC encoder rece of every L message symbols. Otherwise the RS FEC encoder operates exact	tly the same	REJEC			Respon				
as specified in 149.3.2.2.15." to "When L > 1 each RS-FEC encoder receives every L message symbols from the superframe, otherwise the RS FEC encoder exactly the same as specified in 149.3.2.2.15."		The cu	urrent in	dex value	es are corr	rect as it would be	M326xL-L = M32	5xL.	
Response Response Status C									

Pa **97** Li **49** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.3.2.2.17	P <b>98</b>	L <b>3</b>	# 128	C/ 149	SC 149.3.2.2	2.21 P99	L <b>33</b>	# <u>2</u> 18
Nicholl, Shawn	Xilinx			McClellan,	Brett	Marvell		
Comment Type E	Comment Status A		PCS	Comment 7	Type E	Comment Status A		
The sub-clause talks about				"After t	the alert signal,"	is unclear		
PCS PHY frame or what or tx_encoded<3599:0> but it				Suggested	Remedv			
	it is not found anywhere er	se in the docum	ent.		•	signal," to "After transmitting	the alert signal,	,"
SuggestedRemedy				Response		Response Status C		
Propose to add tx_encode clause 149.3.2.2.16. Prop text "The L encoded RS-F	bose to define the term tx_ EC frames are recombine	encoded<3599: d into an interle	0> somewhere after the aved RS-FEC	ACCEF	PT.			
superframe". However, it	s really "L x tx_encoded<3	599:0>" at that	point!	C/ 149	SC 149.3.2.2	2.21 P99	L <b>36</b>	# 219
Response	Response Status <b>C</b>			McClellan,	Brett	Marvell		
ACCEPT IN PRINCIPLE.				Comment T	Туре Е	Comment Status A		
P98 L3 Change "The payle	oad of the PCS PHV fram	atv. ancoded~3	500.0> is scrambled to	"Lpi_wa	ake_time" is a v	variable and should not be ca	pitalized	
tx_scrambled<3599:0> wit				Suggested	Remedv			
generated from the side-s					•	ne" to "lpi wake time"		
To "The bits of the interleat bits, Dn[0] and Dn[1], is s				Response		Response Status <b>C</b>		
interleaved bits, two scran				ACCEF	PT			
C/ 149 SC 149.3.2.2.21	P <b>99</b>	L <b>30</b>	# 217					
McClellan, Brett	Marvell			C/ <b>149</b>	SC 149.3.2.2	2.21 P <b>9</b> 9	L <b>41</b>	# 220
,	Comment Status A		EEE	McClellan,		Marvell		
"The PHY also transitions		ion mode if an e		Comment 7	51	Comment Status A		
This error condition is defi				"lpi_wa	ake_timer" is not	t a defined variable. Is this su	ipposed to be lpi	_tx_wake_timer?
the XGMII."				Suggested	Remedy			
this statement is redundar	nt if wake is triggered by 'o	ther than LP_ID	LE	change	e lpi_wake_time	r to lpi_tx_wake_timer		
SuggestedRemedy				Response		Response Status C		
delete "The PHY also tran occurs. This error conditio IDLE at the XGMII."				ACCEF	PT.			
Response	Response Status <b>C</b>							
ACCEPT.								

Pa **99** Li **41**  ΕZ

ΕZ

ΕZ

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

		<i>,</i>		U U								
C/ 149	SC 149.3.2.2.21	P <b>99</b>	L <b>49</b>	# <u>2</u> 53		C/ 149	SC 149.3.	2.2.21	P <b>99</b>	L <b>49</b>	# <u>2</u> 16	
den Bester	n, Gerrit	NXP Semico	onductors			McClellan	, Brett		Marvell			
Comment	Type <b>T</b> Comme	ent Status A			EEE	Comment	Type TR	Comr	nent Status A			EEE
	n the last 64B/65B block of I IY" seems inconsistent w		generated by the	PCS transmit f	unction,				LPI characters is ely incorrect abou			
Suggested	IRemedy					Suggestee	dRemedy					
	ce by: the PCS transmit function of me, the PHY	detects an LPI ch	aracter in the last	64B/65B block	of an	"In the transm	nit function de	, ction the trar tects an LPI	nsition to the LPI tr control character i	n the last 64B/65	B block of a Reed	<u></u> -
Response	Respon	se Status C							vent the PMA tran			
Same	PT IN PRINCIPLE. resolution as comment 216					LPI tra contai	ansmit mode. n only LP_IDI	The sleep si E 64B/65B l	e to indicate to the gnal is composed blocks. Once initia shall be transmitt	of eight Reed-Sol ted, the complete	omon frames that	t
	e to: In the transmit directions for the transmit function detects	,		0		Response		Respo	nse Status <b>C</b>			

Reed-Solomon frame. Following this event, the PMA transmits the sleep signal starting at the beginning of the next superframe to indicate to the link partner that it is transitioning to the LPI transmit mode. The sleep signal is composed of eight Reed-Solomon frames that contain only LP IDLE 64B/65B blocks. Once initiated, the complete sleep signal consisting of 8 RS-FEC frames of LP\_IDLE shall be transmitted.

ACCEPT IN PRINCIPLE.

Change to: In the transmit direction, the transition to the LPI transmit mode begins when the PCS transmit function detects an LPI control character in the last 64B/65B block of a Reed-Solomon frame. Following this event, the PMA transmits the sleep signal starting at the beginning of the next superframe to indicate to the link partner that it is transitioning to the LPI transmit mode. The sleep signal is composed of eight Reed-Solomon frames that contain only LP\_IDLE 64B/65B blocks. Once initiated, the complete sleep signal consisting of 8 RS-FEC frames of LP\_IDLE shall be transmitted.

C/ 149	SC 14	9.3.2.3		P10	01	L1	8	#	221	
McClellan, Bre	ett			Marve	11					
Comment Typ	e 1	Г	Comme	nt Status	Α					PCS

block lock flag de-assertion is described for data mode, but re-assertion is not described.

#### SuggestedRemedy

insert "The block\_lock flag is re-asserted upon detection of a valid RS-FEC frame."

Response Response Status C

ACCEPT.

Pa 101 Li 18

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149	SC	149.3.2.3	P <b>101</b>	L <b>27</b>	# 222		C/ 149	SC
McClellan,	Brett		Marvell				Nicholl, Sł	nawn
Comment	Туре	Е	Comment Status A			PCS	Comment	Туре
	ne PCS	Spartial PH	includes 1 bit pattern every frame boundary" is unclea		nbols, which is ali	gned	- de-ce - RS-F	lause 14 onstruct EC dec d robin (
			ning frame includes an alig		450 PAM2 symbo	ols,	- roun Suggested	
	0	ned with the	PCS partial PHY frame bou	undary"			00	se to ad
Response			Response Status C					Tx direc
ACCE	PT.							e-const
C/ 149	SC	149.3.2.3	P101	L <b>31</b>	# 223			S-FEC
McClellan,	Brett		Marvell		-	-	Response	
Comment	Туре	TR	Comment Status A			EEE	ACCE	PT IN F
succe	ssfully	completed t	ability support transition to t training and pcs_data_mode	e is TRUE."			Chang	ge the te
46.1.7 Suggested			Il not be asserted until one s	second after link	is up.		Chang	ge fig 14
chang PHY h	e text f nas suc	to "PHYs wi	th the EEE capability suppo ompleted training and pcs_d .1.7."				chang encod	e the bl
Response			Response Status C				chang	e the er
ACCE	PT.						chang	e the R
							Editor	to add i
							and ch	nange fi
							chang	e the ou

C/ 149	SC 1	49.3.2.3.3	P10	)2	L12	#	<u>1</u> 29
Nicholl, Shaw	vn		Xilinx				
Comment Ty	pe	E	Comment Status	Α			Interleaver

149.3.2.3 PCS Receive function is missing section that describe the following: ction of the unscrambled Rx stream into pieces for each RS-FEC decoder coder

de-interleaving

#### edy

add sub-clauses before "149.3.2.3.3 Invalid blocks" that are akin to sub-clauses ection, but in the opposite order.

- struction (akin to Tx Recombine)
- c decoder (akin to Tx FEC encoder)
- rleaving (akin to Tx Superframe and round robin interleaving)

Response Status C

PRINCIPLE.

text in 149.3.2.3 as shown in zimmerman\_3ch\_02\_0719.pdf.

49-6:

block name "RS-FEC (360,326) encoder" to "Interleaver and RS-FEC (360,326)

encoded block after the encoder to show the L interleaved encoded blocks

RS-FEC frame at the end to an RS-FEC superframe showing L x 1800 symbols

I note to Figure that the case shown is L=1.

fig 149-7:

output of frame sync from an RS-FEC frame to an RS-FEC superframe showing L x 1800 symbols

change the block name "RS-FEC decoder to "De-interleaver and RS-FEC decoder"

change the RS-FEC Decoded frame to show the L interleaved encoded blocks

Editor to add note to Figure that the case shown is L=1.

Pa 102 Li 12

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.3.5	P103	L <b>31</b>	# 54		C/ 149 SC 149.3.5	P103	L <b>32</b>	# 25	
Wienckowski, Natalie	General Moto	rs			Anslow, Pete	Ciena			
Comment Type E typo	Comment Status A			EZ	Comment Type E "are shown in 149–12"	Comment Status A should be "are shown in Fig	ure 149–12"		EZ
SuggestedRemedy					SuggestedRemedy				
Change: among rainin To: among training frar					Change the cross-reference Response	rence format to "FigureNumb	oer"		
Response ACCEPT.	Response Status C				ACCEPT.	Response Status C			
C/ 149 SC 149.3.5	P103	L <b>31</b>	# <u>1</u> 15		C/ 149 SC 149.3.5 den Besten, Gerrit	P <b>103</b> NXP Semico	L48	# 255	
Dudek, Mike <i>Comment Type</i> <b>E</b> typo	Marvell Comment Status A			ΕZ	Comment Type E typo: (bits of) PHY fran	Comment Status A	luuciors		ΕZ
SuggestedRemedy change "raining" into tr	aining"				SuggestedRemedy Replace by: (bits of) Pl	HY frame are			
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C			
C/ 149 SC 149.3.5	P103	L <b>31</b>	# 254		C/ 149 SC 149.3.5	P103	L <b>48</b>	# 55	
den Besten, Gerrit	NXP Semicor	ductors			Wienckowski, Natalie	General Moto	ors		<b>C7</b>
Comment Type E typo: raining	Comment Status A			ΕZ	Comment Type E Subject verb agreeeme	Comment Status A ent			EZ
SuggestedRemedy Replace by: training						its of the 16th partial PHY fra the 16th partial PHY frame a			
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C			
C/ 149 SC 149.3.5	P103	L <b>31</b>	# 233		C/ 149 SC 149.3.6.1	P105	L <b>45</b>	# 84	
McClellan, Brett	Marvell				Maguire, Valerie	The Siemon	Company		
Comment Type E typo	Comment Status A			ΕZ	Comment Type E Use preferred terminole	Comment Status A ogy for mandatory criteria.			EZ
SuggestedRemedy change "raining" to "tra	ining"				SuggestedRemedy	e PHYs must synchronize" w	ith "EEE capable		
0 0	0				synchronize" and adjust			5 1 1 1 5 511dii	
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C			
	ed ER/editorial required GR/				eneral itten C/closed U/unsatisfied 2	Pa 10 Z/withdrawn Li 4		Page 33 c	of 61 ) 7:45:54 AN

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn Li 45 7/17/2019 7:45:54 AM SORT ORDER: Page, Line

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.3.6 P106 L26 # 256	C/ 149 SC 149.3.8.2 P113 L42 # 162						
len Besten, Gerrit NXP Semiconductors Comment Type T Comment Status A E	Law, David Hewlett Packard Enterprise						
Comment Type <b>T</b> Comment Status <b>A</b> E "do not overlap" is not really correct, because the alignment of the link partners is allowed to be non-perfect.	Comment Type E Comment Status A Change the text ' time RFER_BAD_RF of the' to read ' time the RFER_BAD_RF state of the'.						
SuggestedRemedy	SuggestedRemedy						
Replace by "can only have a small overlap"	See comment.						
Response Response Status C ACCEPT IN PRINCIPLE.	Response Response Status C ACCEPT.						
Replace by "may overlap"	C/ 149 SC 149.3.8.2 P113 L46 # 163						
C/ 149 SC 149.3.7.2.1 P108 L4 # 282	Law, David Hewlett Packard Enterprise						
Souvignier, Tom Broadcom	Comment Type T Comment Status A RS-F						
Comment Type TR Comment Status A RS-F	FEC I'm struggling to find the definition of the RFER_CNT_LIMIT and RFRX_CNT_LIMIT.						
RFER_CNT_LIMIT and RFRX_CNT_LIMIT are not defined	SuggestedRemedy						
SuggestedRemedy	Please add a cross-reference to where RFER_CNT_LIMIT and RFRX_CNT_LIMIT are defined.						
SuggestedRemedy See page 2 of "tu_3ch_03_0719.pdf".							
SuggestedRemedy	defined.						
SuggestedRemedy See page 2 of "tu_3ch_03_0719.pdf". Response Response Status <b>C</b>	defined. <i>Response Response Status</i> <b>C</b> ACCEPT IN PRINCIPLE. Comment 282 adds these definitions. A cross reference should not be needed as these definitions will be a few pages before the						
SuggestedRemedy         See page 2 of "tu_3ch_03_0719.pdf".         Response       Response Status         C       ACCEPT IN PRINCIPLE.         Grant editorial license to format the definitions correctly.         C/ 149       SC 149.3.7.2.2       P109       L22       # 174	defined.  Response Response Status C ACCEPT IN PRINCIPLE.  Comment 282 adds these definitions. A cross reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.						
SuggestedRemedy         See page 2 of "tu_3ch_03_0719.pdf".         Response       Response Status         C       ACCEPT IN PRINCIPLE.         Grant editorial license to format the definitions correctly.         C/ 149       SC 149.3.7.2.2       P109       L22       # 174         Regev, Alon       Keysight Technologies	defined.       Response       Response Status       C         ACCEPT IN PRINCIPLE.       Across reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.       Image: Clip and the state diagram with the other variables.         C/       149       SC 149.3.8.2       P114       L3       #       164						
SuggestedRemedy         See page 2 of "tu_3ch_03_0719.pdf".         Response       Response Status C         ACCEPT IN PRINCIPLE.         Grant editorial license to format the definitions correctly.         C/ 149       SC 149.3.7.2.2       P109       L22       # 174         Regev, Alon       Keysight Technologies         Comment Type       TR       Comment Status A	defined.       Response       Response Status       C         ACCEPT IN PRINCIPLE.       Access reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.       Image: Clip and the state diagram with the other variables.         Clip and the state diagram with the other variables.       Image: Clip and the state diagram with the other variables.       Image: Clip and the state diagram with the other variables.         EZ       Law, David       Hewlett Packard Enterprise						
SuggestedRemedy         See page 2 of "tu_3ch_03_0719.pdf".         Response       Response Status C         ACCEPT IN PRINCIPLE.         Grant editorial license to format the definitions correctly.         C/ 149       SC 149.3.7.2.2       P109       L22       # 174         Regev, Alon       Keysight Technologies         Comment Type       TR       Comment Status A         "rs-fec_frame_done" should be "rs_fec_frame_done"	defined.       Response       Response Status       C         ACCEPT IN PRINCIPLE.       Accoss reference should not be needed as these definitions.       A cross reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.         C/       149       SC 149.3.8.2       P114       L3       #       164         EZ       Law, David       Hewlett Packard Enterprise         Comment Type       T       Comment Status       A						
SuggestedRemedy         See page 2 of "tu_3ch_03_0719.pdf".         Response       Response Status C         ACCEPT IN PRINCIPLE.         Grant editorial license to format the definitions correctly.         C/ 149       SC 149.3.7.2.2       P109       L22       # 174         Regev, Alon       Keysight Technologies         Comment Type       TR       Comment Status A         "rs-fec_frame_done" should be "rs_fec_frame_done"	defined.       Response       Response Status       C         ACCEPT IN PRINCIPLE.       Accoss reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.       Accoss reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.         C/       149       SC 149.3.8.2       P114       L3       #       164         EZ       Law, David       Hewlett Packard Enterprise         Comment Type       T       Comment Status       A         Subclause 149.3.7.2.2 'Variables' defines pcs_reset as a Boolean variable with no further definition of the values, which I understand to mean that the two possible values default to true and false. This seems to be confirmed in subclause 149.3.2.1 'PCS Reset function'						
SuggestedRemedy         See page 2 of "tu_3ch_03_0719.pdf".         Response       Response Status C         ACCEPT IN PRINCIPLE.         Grant editorial license to format the definitions correctly.         C/ 149       SC 149.3.7.2.2         P109       L22         Regev, Alon         Keysight Technologies         Comment Type       TR         Comment Status A         "rs-fec_frame_done" should be "rs_fec_frame_done"         SuggestedRemedy         change "rs-fec_frame_done" to "rs_fec_frame_done"	defined.       Response       Response Status       C         ACCEPT IN PRINCIPLE.       Across reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.       Image: Click of the state diagram with the other variables.         Click 149       SC 149.3.8.2       P114       L3       #       164         EZ       Law, David       Hewlett Packard Enterprise         Comment Type       T       Comment Status       A         Subclause 149.3.7.2.2 'Variables' defines pcs_reset as a Boolean variable with no further definition of the values, which I understand to mean that the two possible values default to the state the two possible values default to the state the state the state to t						
SuggestedRemedy         See page 2 of "tu_3ch_03_0719.pdf".         Response       Response Status C         ACCEPT IN PRINCIPLE.         Grant editorial license to format the definitions correctly.         C/ 149       SC 149.3.7.2.2         P109       L22         # 174         Regev, Alon       Keysight Technologies         Comment Type       TR         Comment Status A         "rs-fec_frame_done" should be "rs_fec_frame_done"         SuggestedRemedy         change "rs-fec_frame_done" to "rs_fec_frame_done"         Response       Response Status W	defined.       Response       Response Status       C         ACCEPT IN PRINCIPLE.       ACCEPT IN PRINCIPLE.       Across reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.       C/ 149       SC 149.3.8.2       P114       L3       #       164         EZ       Law, David       Hewlett Packard Enterprise         Comment Type       T       Comment Status       A         Subclause 149.3.7.2.2 'Variables' defines pcs_reset as a Boolean variable with no further definition of the values, which I understand to mean that the two possible values default to true and false. This seems to be confirmed in subclause 149.3.2.1 'PCS Reset function' which states that 'PCS Reset sets pcs_reset = TRUE while any of the above' and its us in the PCS 64B/65B Transmit and receive State diagrams where the open arrow entry is based on ' pcs_reset +'. Based on its use in the open arrow entry to the RFER_MT_INIT state in Figure 149–15 'RFER monitor state diagram' needs to be changed from 'pcs_reset						
SuggestedRemedy         See page 2 of "tu_3ch_03_0719.pdf".         Response       Response Status C         ACCEPT IN PRINCIPLE.         Grant editorial license to format the definitions correctly.         C/ 149       SC 149.3.7.2.2         P109       L22         # 174         Regev, Alon       Keysight Technologies         Comment Type       TR         Comment Status A         "rs-fec_frame_done" should be "rs_fec_frame_done"         SuggestedRemedy         change "rs-fec_frame_done" to "rs_fec_frame_done"         Response       Response Status W	defined.       Response       Response Status       C         ACCEPT IN PRINCIPLE.       ACCEPT IN PRINCIPLE.       ACCEPT IN PRINCIPLE.         Comment 282 adds these definitions.       A cross reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.         C/       149       SC 149.3.8.2       P114       L3       #       164         EZ       Law, David       Hewlett Packard Enterprise         Comment Type       T       Comment Status       A         Subclause 149.3.7.2.2 'Variables' defines pcs_reset as a Boolean variable with no further definition of the values, which I understand to mean that the two possible values default to true and false. This seems to be confirmed in subclause 149.3.2.1 'PCS Reset function' which states that 'PCS Reset sets pcs_reset = TRUE while any of the above' and its us in the PCS 64B/65B Transmit and receive State diagrams where the open arrow entry is based on 'pcs_reset +'. Based on its use in the open arrow entry to the RFER_MT_INIT state in Figure 149–15 'RFER monitor state diagram' needs to be changed from 'pcs_reset = ON +' to 'pcs_reset +'.						
SuggestedRemedy         See page 2 of "tu_3ch_03_0719.pdf".         Response       Response Status C         ACCEPT IN PRINCIPLE.         Grant editorial license to format the definitions correctly.         CI 149       SC 149.3.7.2.2         P109       L22         # 174         Regev, Alon       Keysight Technologies         Comment Type       TR         Comment Status       A         "rs-fec_frame_done" should be "rs_fec_frame_done"         SuggestedRemedy       change "rs-fec_frame_done" to "rs_fec_frame_done"         Response       Response Status	defined.         Response       Response Status       C         ACCEPT IN PRINCIPLE.         Comment 282 adds these definitions.         A cross reference should not be needed as these definitions will be a few pages before the state diagram with the other variables.         Cl 149       SC 149.3.8.2       P114       L3       #       164         EZ       Law, David       Hewlett Packard Enterprise         Comment Type       T       Comment Status       A         Subclause 149.3.7.2.2 'Variables' defines pcs_reset as a Boolean variable with no further definition of the values, which I understand to mean that the two possible values default to true and false. This seems to be confirmed in subclause 149.3.2.1 'PCS Reset function' which states that 'PCS Reset sets pcs_reset = TRUE while any of the above' and its us in the PCS 64B/65B Transmit and receive State diagrams where the open arrow entry is based on ' pcs_reset +'. Based on its use in the open arrow entry to the RFER_MT_INIT state in Figure 149–15 'RFER monitor state diagram' needs to be changed from 'pcs_reset = ON +' to 'pcs_reset +'.         SuggestedRemedy						

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa <b>114</b>	Page 34 of 61
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied 2	Z/withdrawn Li 3	7/17/2019 7:45:54 AM
SORT ORDER: Page, Line		

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.3.8.2	P114	L <b>48</b>	# 165		C/ 149	SC 149.3.8.2	P115	L <b>20</b>	#	<u>1</u> 02	
Law, David	Hewlett Packa	rd Enterprise			Lo, William		Axonne Inc.				
Comment Type T	Comment Status A		RS-I	FEC	Comment Ty	rpe TR	Comment Status D				EEE
state in Figure 149–15 SuggestedRemedy	ondition.		_		after cla Figure 1 There is slight dif Scenaric T_TYPE When th and ther The inte But why	use 149.3.8.2. 49-16 (page 11) a corner case t ferently depend b: (tx_raw) initially is happens the i mmediately train there is to exit enter LPI in the	clause 149.3.7.3 but for sor 5) has 3 L transitions into Fighat makes things behave a ling on interpretation. This c $r = LI$ at exactly a time lp_low state machine transitions into ansitions into TX_WM state. t LPI when SNR is low.	gure 149-17 (P ittle ugly that p hange avoids t v_snr = true. o TX_L but do ready knows S	age 116). beople may the corner es absolut	y impleme case. tely nothir	ent ng
aw, David	Hewlett Packa	-			Suggest SNR is I		event entering Figure 149-1	/ when the PH	r already	knows th	at
Comment Type E	Comment Status A			EZ	SuggestedR	emedv					
	prizontally centre align all state	e names.			Page 11 Change	5 Figure 149-16 the 3 T_TYPE(t E(tx_raw) = LI) *	tx_raw) = LI to				
Response ACCEPT.	Response Status C				Proposed Re REJECT	•	Response Status C				
					This con	nment was WIT	HDRAWN by the commente	er.			

Pa **115** Li **20** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149	SC 1	49.3.8.2	P116	L13	# 103		C/ 149	SC	149.3.8.2	P <b>117</b>	L <b>28</b>	# <u>1</u> 67	
Lo, William	า		Axonne Ind				Law, David	d		Hewlett Pack	ard Enterprise		
Comment	Туре	TR	Comment Status A			PCS	Comment	Туре	Е	Comment Status A			ΕZ
Techni after c The tx frame 149-20 Scena XGMII T_TYF XGMII T_TYF becaus Since tx_lpi_ Meany and we We are Hence transm	ically this lause 14 _lpi_req time and to get of rio: indicats PE(tx_ration stops sp PE(tx_ration RS fram active re while with e move t e stuck t the EEE hit state of	s is really i9.3.8.2. variable g d then goe but of synce i LPI which w) = LI, er ending LP $w) = (C+D)ert_start_nte is not coemains falsh tx_lpi_reto SEND_5there forewE transmitdiagram (p$	clause 149.3.7.3 but for ets stuck true if LPI is pr s to something that is no	esented on XGMI t LPI. This will ca which causes state but tx_lpi_re one is not asserte moves from TX_V ame_done will trig to SEND_QR sta ck at true. )) is out of sync wi	I for less than a use Figures 149 of never gets se d page 119) /N to TX_C stat ger eventually te (page 119). th the PCS 64/6	appears full RS 16 and t to false e. 5B	Sugge mainte Suggested Sugge They a transit Response ACCE C/ 149 Law, David Comment Typo. Suggested Sugge	est that enance Remedest that are use ion fror PT. SC d Type Remedents that	a font be u on the stat dy the two ins d in 'R_TYI m RX_E to 149.3.8.2 E dy 'R_TYPE(r	ised for the each symbols in the diagram. tances of the symbol '=' in s PE_NEXT =' in the transi RX_E. <i>Response Status</i> <b>C</b> <i>P</i> <b>117</b>	symbol font be cl tion from RX_D t <i>L</i> <b>41</b> ard Enterprise	hanged to Airal fo to RX_E and the # <u>168</u> (rx_coded) = S' (a	nt.
•	ms in sy						Response			Response Status C			
Suggested	,						ACCE	PT.					
Chang	je Ü	re 149-17	_raw) = (C + D + E + S +	т)			C/ 149		149.3.8.2	P118	L <b>7</b>	# 156	
to				,			Law, David		_		ard Enterprise		
		T_TYPE(t	<_raw) = (C + D + E + S	+ T )) * tx_lpi_acti	ve		Comment	,,		Comment Status A	ha DV Latata ia	unit defined in	EZ
Response ACCE			Response Status C					The LP_BLOCK_R constant assigned to rx_raw in the RX_L state isn't defined in subclause 149.3.7.2.1 'Constants', there is however a LPBLOCK_R constant defined in subclause 149.3.7.2. that isn't used.					
							Suggested	Reme	dy				
										CK_R in the RX_L state to L D LP_BLOCK_R.	PBLOCK_R, or	change LPBLOCk	K_R in
							Response			Response Status C			
							ACCE	PT IN I	PRINCIPLE	<b>.</b>			
							Chang	je LPBI	LOCK_R in	subclause 149.3.7.2.1 to L	P_BLOCK_R.		

Pa **118** Li **7** 

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C/ 149 SC	149.3.8.2	P <b>118</b>	L13	# <u>1</u> 57		C/ 149	SC	149.3.2.3	P <b>118</b>	L <b>23</b>	Ŧ	# <u>1</u> 73	
Law, David		Hewlett Packar	d Enterprise			Regev, Alc	on		Keysight Tech	nologies			
Comment Type	т	Comment Status A			ΕZ	Comment	Туре	TR	Comment Status A				EEE
		Int assigned to rx_raw in the I there is however an IBLOCK				•			unter lpi_rxw_err_cnt is used	which was not	previou	sly define	ed.
149.3.7.2. th						Suggested	Remed	dy					
SuggestedReme	dy						tion 149 w_err_0	· ·	Counters) add the following o	definition for Ipi	_rxw_err	_cnt:	
		C_R in the RX_R state to IBLC DI_BLOCK_R.	OCK_R, or char	nge IBLOCK_R in		lpi_rxv	v_err_c	nt is reset	unts the number of receive v to zero during PCS_TEST.				er 3.22
Response		Response Status C				,	5.2.3.1	2)."					
ACCEPT IN	PRINCIPLE					Response			Response Status W				
Change IBLC	OCK R in s	ubclause 149.3.7.2.1 to I_BL	OCK R.			ACCE	PT IN I	PRINCIPLE	Ξ.				
	149.3.8.2	P118	L19	# 158		"lpi_rx	w_err_	cnt	Counters) add the following o			_	
Law, David	_	Hewlett Packar	d Enterprise						unts the number of receive v S_TEST. The counter is refle				
Comment Type Typo.	E	Comment Status A			EZ	C/ 149	SC	149.3.8.2	P118	L <b>23</b>	i	# 159	
SuggestedReme	dv					Law, David	ł		Hewlett Packa	ard Enterprise			
00	-	x_coded)=I' be changed to re	ad 'R_TYPE(rx	_coded) = I' (add a	а	Comment	Туре	т	Comment Status A	·			EEE
space before	e and after t	he '=') on both exit conditions	from the RX_V	V state.		The lp	i_rxw_e	err_cnt cou	inter incremented in the RX_	WE state of Fi	gure 149	)–19 'PCS	S
Response		Response Status C				64B/6	5B Rec	eive state	diagram, part b' is not define	ed or used anyv	vhere.		
ACCEPT.						Suggested	Reme	dy					
						Define	the lpi	_rxw_err_c	ont counter and it's use, or de	elete from the F	RX_WE	state.	
						Response			Response Status C				
						ACCE	PT IN I	PRINCIPLE	≣.				
						Impler	nent so	olution to co	omment #173.				
						"lpi_rx	w_err_	cnt	Counters) add the following o			_	-
									unts the number of receive v S_TEST. The counter is refle				

Pa **118** Li **23** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149	SC 149.3.8.2	P119	L <b>20</b>	# 161		C/ 149	SC 149.3.9.2.1	P <b>121</b>	L <b>2</b>	# 57	
_aw, David		Hewlett Packar	d Enterprise			Wienckows	ki, Natalie	General Motors	;		
Comment T	ype E	Comment Status A			ΕZ	Comment 7	уре Е	Comment Status A			EZ
	he spurious ANI SLEEP to SEND	D symbol from the end of the D_QR.	equation for the	transition from		poor ali Su <u>q</u> gestedl	gnment of lines in Remedy	n figure			
SuggestedF Change	-	!pi_req*'. to read ' * tx_lpi_req	ľ.			Adjust I	•	re 149-21 so they are prope	ly aligned and	I there don't appea	r to
Response ACCEP	Т.	Response Status C				Response ACCEF	РТ.	Response Status C			
C/ 149	SC 149.3.9	P <b>120</b>	L <b>20</b>	# <u>1</u> 94		C/ 149	SC 149.3.9.2.1	P121	L <b>38</b>	# <u>1</u> 06	
Brandt, Dav	id	Rockwell Autor	nation			Lo, William		Axonne Inc.			
Comment T Missing		Comment Status A			ΕZ	Comment 7 Gramm	51	Comment Status A			EZ
	Remedy : "OAM10-bit" .M 10-bit"					Suggested Change	-	" to "can be packed into"			
Response ACCEP		Response Status <b>C</b>				Response ACCEF	ΥТ.	Response Status C			
C/ 149	SC 149.3.9	P <b>120</b>	L <b>23</b>	# 58		C/ 149	SC 149.3.9.2.1	P <b>121</b>	L <b>38</b>	# 56	
		-	-	# 50		Wienckows	ki, Natalie	General Motors	;		
Vienckowsl	,	General Motors Comment Status A	5		ΕZ	Comment 7 typo	<i>уре</i> Е	Comment Status A			EZ
	0,	u.				Suggested	Remedy				
	exchange, at a	a minimum, the link partner he						e can packed into 8 super fra be packed into 8 super frame			
Response ACCEP	<b>U</b>	imum, the link partner OAM s Response Status <b>C</b>	tatus.			Response ACCEF	РТ.	Response Status C			
ACCEP	1.					C/ 149	SC 149.3.9.2.1	P121	L <b>52</b>	# 258	
						den Besten <i>Comment T</i> typo: sy	ype E	NXP Semicond Comment Status A	uctors		ΕZ
						Suggestedl replace	Re <i>medy</i> by: symbols				
						Response ACCEF		Response Status C			
COMMENT	•	d ER/editorial required GR/gr patched A/accepted R/reject					U/unsatisfied Z/	Pa 121 withdrawn Li 52		Page 38 0 7/17/2019	of 61 9 7:45:55 A

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C/ 149 SC 149.3.9.2.1	P <b>121</b>	L <b>52</b>	# 257		C/ 149 SC 14	9.3.9.2.13	P <b>125</b>	L <b>6</b>	# 288	
len Besten, Gerrit	NXP Semicone	ductors			Tu, Mike		Broadcom			
Comment Type E	Comment Status A			EZ	Comment Type	r Comme	ent Status A			PCS
typo: symbol									his is mathematically	
SuggestedRemedy replace by: symbols					interpretations ir		on Equation 149-8 people look at this		use confusions and	mis-
					SuggestedRemedy					
Response ACCEPT.	Response Status C					straight line conne			arrowed line into tha er. Also replace the	
C/ 149 SC 149.3.9.2.1	P <b>122</b>	L13	# 134		Response	Respons	se Status <b>C</b>			
Grau, Olaf	Robert Bosch	GmbH			ACCEPT.					
Comment Type E Bold OAM Bitfield delimi	Comment Status A			EZ	C/ 149 SC 14	9.3.9.2.13	P125	L <b>38</b>	# 59	
SuggestedRemedy					Wienckowski, Natali	e	General Moto	rs		
Only Bold delimiter for a	OAM Superframe field				Comment Type	E Comme	ent Status A			EZ
Response	Response Status C				poor wording					
ACCEPT.					SuggestedRemedy					
							e EEE is impleme	nted.		
C/ 149 SC 149.3.9.2.1	P <b>122</b>	L <b>28</b>	# 107		•	only when EEE is	•			
Lo, William	Axonne Inc.				Response ACCEPT.	Respons	se Status C			
Comment Type TR	Comment Status A			EZ	ACCEPT.					
OAM field no longer has	parity				C/ 149 SC 14	9.3.9.2.14	P <b>125</b>	L <b>42</b>	# 135	
SuggestedRemedy					Grau, Olaf		Robert Bosch	GmbH		
Delete the clause " and the symbol parity v	"Il not change"				Comment Type	E Comme	ent Status A			OAM
	0					-T1 OAM Frame	Acceptance Criteri	a: Which Speed	Igrade is mentioned	
Response ACCEPT.	Response Status C				here ?					
ACCEPT.					SuggestedRemedy MultiGBASE-T1	OAM Frame Acc	eptance Criteria			
					Response ACCEPT IN PR		se Status C			
					Change: BASE-	T1 OAM Frame A	cceptance Criteria			
					•		•			

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 Pa 125

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 Li
 42

 SORT ORDER: Page, Line
 Pa
 125

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	SC 149.3.9.3	P128	L1	# 195		C/ 149	50 14	9.3.9.4.6		L <b>26</b>	# <u>2</u> 70	
andt, David Somment Type		Rockwell Auto	omation		OAM	Tu, Mike <i>Comment</i> 7	νρε Τ	r	Broadcom Comment Status A			OAM
Should this	is refer to the "State	Variables to OAM Re hy do they need to ap		that were edited	-	In Figu	re 149-24	, the OA	M receive state diagram, the OAD" may cause an errono			0/11/
		97 Table 97-6 for the E	BASE-T1 mapp	ings and then de	efine the	Suggested See pa		u_3ch_0	5_0719.pdf".			
esponse	Resp	ponse Status C				Response ACCEF	РТ.		Response Status C			
	IN PRINCIPLE.					C/ 149	SC 149	9.4.2.1	P139	L <b>16</b>	# 262	
To: Table	Table 149–9 describ	bes the MDIO register 9–9 describe the MDIC		-		den Besten <i>Comment T</i> typo: sa	Туре Е	E	NXP Semicono Comment Status A	luctors		EZ
Message 7	7".	DAM Message Valid" t	0		OAM	Suggested	R <i>emedy</i> e by: shal	II	Response Status C			
		ugh 3.2318.0 and 3.23	0			C/ 149	SC 149	9.4.2.1	P139	L16	# 172	
row 1, befo MultiGBAS MultiGBAS 3.2318.7:0	ore MultiGBASE-T1 SE-T1 OAM status M SE-T1 OAM status re					Suggested	<i>ype</i> <b>T</b> s misspe		Keysight Tech Comment Status A sall"	nologies		EZ
MultiGBAS	er MultiGBASE-T1 O SE-T1 OAM status M SE-T1 OAM status re		9:			Response ACCEF	РТ.		Response Status W			
3.2319.7:0 mr_tx_mes	0 essage[95:88]					C/ <b>149</b> Lo, William	SC 149	9.4.2.1	P <b>139</b> Axonne Inc.	L <b>16</b>	# 108	1
MultiGBAS	er row 2 above: SE-T1 OAM status M SE-T1 OAM status re					Comment 7 Typo	<i>уре</i> Е	ĒR	Comment Status A			EZ
3.2318.15:		<b>.</b>				Suggested Change	R <i>emedy</i> e "sall" to	"shall"				
						Response ACCEF	РТ.		Response Status C			
DMMENT ST		editorial required GR/ ed A/accepted R/reje				ACCEF		sfied Z/v	Pa 139		5	e 40 7/2019

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C/ 149 SC 149.4.	2.1 P139	L16	# 60		C/ 149	SC 149.4.2.4	l.5 <i>P</i> 141	L <b>50</b>	# 285
Wienckowski, Natalie	General Motors	S			Farjadrad,	Ramin	Aquantia		
Comment Type E	Comment Status A			ΕZ	Comment	Туре Т	Comment Status A		Vendor inf
misspelled word, sa	ll -> shall						PHY Vendors need to commu		
SuggestedRemedy							artners. Most previous BASE- does not provide it.	T standards prov	vided such capability,
	GBASE-T1 PMA sall take no long E-T1 PMA shall take no longer	er			Suggested				
Response ACCEPT.	Response Status C				The fo Oct10-	ormat of PHY cap <4:3> = Precode	page 141, line 50 with the foll bability bits is Oct10<0> = OA Sel, Oct10<5> = SlowWakeR ecificMessage. EEEen and O	Men, Oct10<2:1: equest, Oct10<6	S> = EEEen and
C/ 149 SC 149.4.	2.2 P139	L <b>32</b>	# 61		T1 OA	M capability ena	able, respectively. The PHY sh	nall indicate the s	sup-port of these two
Wienckowski, Natalie	General Motors	S					v setting the corresponding ca ge bit is set to 1 then the rema		
Comment Type T	Comment Status A			ΕZ	vendo	r specific data. C	Otherwise when VendorSpecifi		
The clock jitter requ	irements are in 149.5.2.3, not 149	9.5.2.2.			be res	erved and set to	0.		
SuggestedRemedy					Response		Response Status C		
	ting the transmit jitter requirement the transmit jitter requirements of					PT IN PRINCIPL	_E. ed changes in Farjadrad_3ch	02a 0719.pdf v	vith editorial license to
Response	•				format	., number, correc	ct spelling etc. as needed to fi	t the draft.	
ACCEPT.	Response Status C				Straw	Poll - Chicago R	ulos		
ACCEPT.					Ollaw	Toll - Officago IV	alos		
C/ 149 SC 149.4.	2.3 P139	L <b>48</b>	# 26		What	do you think sho	uld be done with Comment 2	85?	
Anslow, Pete	Ciena				1. Reje	ect - 4			
Comment Type E In "less than 2x10-1	Comment Status <b>A</b> 0" the "x" should be a multiply sig	gn (Ctrl-q 0) and	the minus sign s	<i>EZ</i> hould	2. Use	the available re	maining bits (17) for Vendor S	Specific commun	ication - 13
be an en-dash (Ctrl- Same issue in 149.	q Shft-p). I1.4.3.3 item PMAR1		-				apability bits and a new state r endor Specific communicatior		
SuggestedRemedy						d bits - 1			work with the outlentity
sign to an en-dash (	0" change the "x" to a multiply sig Ctrl-q Shft-p). nges in 149.11.4.3.3 item PMAR		d change the minu	IS					
Response ACCEPT.	Response Status C								

Pa **141** Li **50** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

2/ <b>149</b> S	SC 149.4.2.5	P142	L25	# 2		C/ 149	SC 149.4.2.4		P143	L6	# 109	
arjadrad, Ran		Aquantia				Lo, William	-		Axonne Inc.	-•		
Comment Type		nent Status R			Vendor info	Comment		Commen	t Status A			E
	ability Bits]: Table 149-				49-12b) to	Туро іг	n bit index					
	ate the change propose ecificMessage mode. A				tor Q for	Suggested	Remedy					
	ecine incluessage mode. /	riso, group an rrese				Chang	je "Oct8<1:0>, 0	Oct9<1:0>, Oc	t10<7:0>" to "Oc	t8<7:0>, Oct9<	:7:0>, Oct10<7:0	)>"
uggestedRen	medy					Response		Response	Status C			
	49-12a (when Vendors					ACCE	PT.					
Change O	Octer9<6> from SlowWa Octer9<6> from SlowWa	akeReques to Rese	rved			C/ 149	SC 149.4.2.4	4.8	P143	L14	# 62	
	octer10<5> from Reserve		equest			Wienckows	ski, Natalie		General Motor	e		
	octer10<6> from Reservice from Reservice from Reservice		ficMessage=0			Comment	,	Commen	t Status A	5		EZ
U		·	0				g comma					
	49-12b (when Vendors octer8<7:0>, Octer9<7:0			fic Data		Suggested	Remedy					
	octer10<7> VendorSpe			Julia			-	erwards" in: A	fterwards Oct4 tl	nrough Oct10		
esponse	Respor	nse Status <b>C</b>				Response		Response	Status C			
	the straw poll for comr	nent 285, this comn	nent is not need	ded as there	e won't be a	ACCEI Chang		LE. Oct4 through (	Oct10 are used to		CRC16 with the	switch
Based on t second tab	ble. SC 149.4.2.4.5	P142	nent is not need		e won't be a	ACCEI Chang connec to: "Aft	e: "Afterwards ( cted, which is se ter initialization,	LE. Oct4 through ( etting CRCger the switch is		0." s shown in Fig		
Based on t second tab / 149 S puvignier, To	ble. SC 149.4.2.4.5 om	P142 Broadcom			280	ACCEI Chang connec to: "Aft	e: "Afterwards ( cted, which is se ter initialization,	LE. Oct4 through ( etting CRCger the switch is ed to compute	Dct10 are used to n in Figure 149–3 set to CRCgen, a	0." s shown in Fig		
Based on t second tab 7 149 S ouvignier, To comment Type	ble. SC <b>149.4.2.4.5</b> om e <b>TR</b> Comm	P142 Broadcom nent Status A	L <b>45</b>	# [	280 Precoder	ACCEI Chang connee to: "Aft throug C/ 149	ge: "Afterwards ( cted, which is se ter initialization, h Oct10 are use	LE. Oct4 through ( etting CRCger the switch is ed to compute	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	
Based on tase second tab <b>/ 149</b> Souvignier, To <i>omment Type</i> In D2.0, th in these re robust to o	ble. SC 149.4.2.4.5 om le TR Comm ne "Precoder requested egister bit values and s optionally allow the PH'	P142 Broadcom nent Status A " bit values are con ends to the link par	L <b>45</b> Ifigured by user ther via InfoFiel	# [ . The PHY s d. It may be	280 Precoder simply reads e more	ACCEI Chang connec to: "Aft throug <i>Cl</i> <b>149</b> Wienckows <i>Comment</i>	ge: "Afterwards ( cted, which is se ter initialization, h Oct10 are use SC <b>149.4.2.4</b> ski, Natalie	LE. Oct4 through ( etting CRCger the switch is ed to compute 4.8	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp P <b>143</b>	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	Oct4
Based on tas second tab at 149 S convignier, To comment Type In D2.0, th in these re robust to o noise cond	ble. SC 149.4.2.4.5 om e TR Comm re "Precoder requested egister bit values and s optionally allow the PH' ditions.	P142 Broadcom nent Status A " bit values are con ends to the link par	L <b>45</b> Ifigured by user ther via InfoFiel	# [ . The PHY s d. It may be	280 Precoder simply reads e more	ACCEI Chang connec to: "Aft throug <i>Cl</i> <b>149</b> Wienckows <i>Comment</i>	ge: "Afterwards ( cted, which is set ter initialization, h Oct10 are use SC 149.4.2.4 ski, Natalie <i>Type</i> <b>E</b> essary article	LE. Oct4 through ( etting CRCger the switch is ed to compute 4.8	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp P143 General Motor	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	Oct4
Based on tase second tab 149 S ouvignier, To comment Type In D2.0, th in these re robust to o noise conc uggestedRem	ble. SC 149.4.2.4.5 om e TR Comm re "Precoder requested egister bit values and s optionally allow the PH' ditions.	P142 Broadcom ment Status A I" bit values are con ends to the link par Y to choose the pre	L <b>45</b> Ifigured by user ther via InfoFiel	# [ . The PHY s d. It may be	280 Precoder simply reads e more	ACCEI Chang connec to: "Aft throug C/ 149 Wienckows Comment unnecc Suggested Chang	ge: "Afterwards ( cted, which is set ter initialization, h Oct10 are use SC 149.4.2.4 ski, Natalie <i>Type</i> <b>E</b> essary article	LE. Oct4 through ( etting CRCger the switch is ed to compute 4.8 <i>Commen</i>	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp P143 General Motor	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	Oct4
Based on tas second tab 149 S puvignier, To omment Type In D2.0, th in these re robust to o noise conc uggestedRen See page s esponse	ble. SC 149.4.2.4.5 om e TR Comm e "Precoder requested egister bit values and s optionally allow the PH ditions. medy 5 of "tu_3ch_01_0719 Respor	P142 Broadcom ment Status A I" bit values are con ends to the link par Y to choose the pre	L <b>45</b> Ifigured by user ther via InfoFiel	# [ . The PHY s d. It may be	280 Precoder simply reads e more	ACCEI Chang connec to: "Aft throug C/ 149 Wienckows Comment unnecc Suggested Chang	ge: "Afterwards ( cted, which is set ter initialization, h Oct10 are use SC 149.4.2.4 ski, Natalie Type E essary article IRemedy ge: After all the fter all 7 octets	LE. Oct4 through ( etting CRCger the switch is ed to compute 4.8 <i>Commen</i> 7 octets	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp P143 General Motor	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	Oct4
Based on tas second tab 149 S puvignier, To omment Type In D2.0, th in these re robust to o noise conc uggestedRen See page s esponse	ble. SC 149.4.2.4.5 om le TR Comm ne "Precoder requested egister bit values and s optionally allow the PH ditions. medy 5 of "tu_3ch_01_0719.	P142 Broadcom ment Status A " bit values are com ends to the link part Y to choose the pre	L <b>45</b> Ifigured by user ther via InfoFiel	# [ . The PHY s d. It may be	280 Precoder simply reads e more	ACCEI Chang connec to: "Aft throug C/ 149 Wienckows Comment unnece Suggested Chang To: Af	ge: "Afterwards ( cted, which is set ter initialization, h Oct10 are use SC 149.4.2.4 ski, Natalie Type E essary article IRemedy ge: After all the fter all 7 octets	LE. Oct4 through ( etting CRCger the switch is ed to compute 4.8 <i>Commen</i> 7 octets	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp P143 General Motor <i>t Status</i> <b>A</b>	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	Oct4
Based on tas second tab 7/ 149 S ouvignier, To Comment Type In D2.0, th in these re robust to o noise conc SuggestedRem See page Response ACCEPT I Implement	ble. SC 149.4.2.4.5 om e TR Comm e "Precoder requested egister bit values and s optionally allow the PH ditions. medy 5 of "tu_3ch_01_0719 Respor	P142 Broadcom ment Status A " bit values are con ends to the link part Y to choose the pre	L45 hfigured by user tner via InfoFiel coder on-the-fly	# [ . The PHY s d. It may be y based on o	280 Precoder simply reads e more	ACCEI Chang connec to: "Aft throug C/ 149 Wienckows Comment unnece Suggested Chang To: Af Response	ge: "Afterwards ( cted, which is set ter initialization, h Oct10 are use SC 149.4.2.4 ski, Natalie Type E essary article IRemedy ge: After all the fter all 7 octets	LE. Oct4 through ( etting CRCger the switch is ed to compute 4.8 <i>Commen</i> 7 octets	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp P143 General Motor <i>t Status</i> <b>A</b>	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	
Based on tas second tab 2/ 149 S ouvignier, To comment Type In D2.0, th in these re robust to o noise cond cuggestedRem See page Response ACCEPT I Implement tu_3ch_01	ble. SC 149.4.2.4.5 om the TR Comm the "Precoder requested egister bit values and s optionally allow the PH' ditions. medy 5 of "tu_3ch_01_0719 Respon IN PRINCIPLE. t the new registers and 1a_0719.pdf.	P142 Broadcom ment Status A " bit values are com ends to the link par Y to choose the pre pdf". nse Status C	L45 afigured by user ther via InfoFiel coder on-the-fly icense, as defin	# [ . The PHY s d. It may be y based on o	280 Precoder simply reads e more	ACCEI Chang connec to: "Aft throug C/ 149 Wienckows Comment unnece Suggested Chang To: Af Response	ge: "Afterwards ( cted, which is set ter initialization, h Oct10 are use SC 149.4.2.4 ski, Natalie Type E essary article IRemedy ge: After all the fter all 7 octets	LE. Oct4 through ( etting CRCger the switch is ed to compute 4.8 <i>Commen</i> 7 octets	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp P143 General Motor <i>t Status</i> <b>A</b>	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	Oct4
Based on tas second tab / 149 S ouvignier, To omment Type In D2.0, th in these re robust to o noise conc uggestedRem See page ACCEPT I Implement tu_3ch_01	ble. SC 149.4.2.4.5 om le TR Comm he "Precoder requested egister bit values and s optionally allow the PH' ditions. medy 5 of "tu_3ch_01_0719 Respon IN PRINCIPLE. t the new registers and	P142 Broadcom ment Status A " bit values are com ends to the link par Y to choose the pre pdf". nse Status C	L45 afigured by user ther via InfoFiel coder on-the-fly icense, as defin	# [ . The PHY s d. It may be y based on o	280 Precoder simply reads e more	ACCEI Chang connec to: "Aft throug C/ 149 Wienckows Comment unnece Suggested Chang To: Af Response	ge: "Afterwards ( cted, which is set ter initialization, h Oct10 are use SC 149.4.2.4 ski, Natalie Type E essary article IRemedy ge: After all the fter all 7 octets	LE. Oct4 through ( etting CRCger the switch is ed to compute 4.8 <i>Commen</i> 7 octets	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp P143 General Motor <i>t Status</i> <b>A</b>	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	Oct4
Based on tas second tab / 149 S ouvignier, To omment Type In D2.0, th in these re robust to o noise conc uggestedRem See page esponse ACCEPT I Implement tu_3ch_01	ble. SC 149.4.2.4.5 om the TR Comm the "Precoder requested egister bit values and s optionally allow the PH' ditions. medy 5 of "tu_3ch_01_0719 Respon IN PRINCIPLE. t the new registers and 1a_0719.pdf.	P142 Broadcom ment Status A " bit values are com ends to the link par Y to choose the pre pdf". nse Status C	L45 afigured by user ther via InfoFiel coder on-the-fly icense, as defin	# [ . The PHY s d. It may be y based on o	280 Precoder simply reads e more	ACCEI Chang connec to: "Aft throug C/ 149 Wienckows Comment unnece Suggested Chang To: Af Response	ge: "Afterwards ( cted, which is set ter initialization, h Oct10 are use SC 149.4.2.4 ski, Natalie Type E essary article IRemedy ge: After all the fter all 7 octets	LE. Oct4 through ( etting CRCger the switch is ed to compute 4.8 <i>Commen</i> 7 octets	Dct10 are used to n in Figure 149–3 set to CRCgen, a the CRC16 outp P143 General Motor <i>t Status</i> <b>A</b>	0." s shown in Fig ut." <i>L</i> 15	ure 149-30, and	Oct4

Pa **143** Li **15** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC ·	149.4.2.4.10	P144	L <b>25</b>	# 64		C/ 149	SC 149.4.2	.6 P145	L <b>20</b>	# <u>1</u> 10	
Wienckowski, Nat	alie	General Motor	6			Lo, William	ı	Axonne In	с.		
Comment Type repeated word		nment Status A			EZ	Comment Missin	<i>Type</i> <b>TR</b> g subscript	Comment Status A			EZ
SuggestedRemed	ły					Suggested	Remedy				
	Y Control state di trol state diagram	agram state diagram n					e S[7:0] to Sn[ nat the n in Sn	7:0] should be subscripted.			
Response ACCEPT.	Resp	oonse Status C				Response ACCE		Response Status C			
C/ 149 SC ·	149.4.2.5	P144	L <b>42</b>	# 65		C/ 149	SC 149.4.2	.8 P149	L11	# 263	
Wienckowski, Nat	alie	General Motor	6			den Bester	n, Gerrit	NXP Semi	conductors		
Comment Type Subject verb a		nment Status A			EZ	Comment RS FE	51	Comment Status A ER at other places in the sp	ec		EZ
SuggestedRemed Change: and Monitor state		monitoring					e RS FER by				
To: and the L Monitor state	₋ink machine begins	monitoring				Response ACCE		Response Status C			
Response ACCEPT.	Resp	oonse Status C				C/ 149	SC 149.1.3	P <b>149</b>	L <b>27</b>	# 92	
ACCEPT.						D'Ambrosia	a, John	Futurewei	U.S. Subsidiary	of Huawei	
C/ 149 SC <sup>·</sup>	149.4.2.6	P <b>145</b>	L19	# 111		Comment	Туре Е	Comment Status A			ΕZ
Lo, William Comment Type		Axonne Inc. Inment Status <b>A</b>			ΕZ	in Fig 4	44-1 (PDF Pag	CS block in Fig 149-1 is inco e 28, Line 37), which incluc 14) which also includes the	les "64B/65B", an		
	Sn subscript style	It the n in Sn where ev	onwhoro also			Suggested	Remedy				
the n is in sub			erywnere eise			Chang	e the naming o	of the PCS block in Fig 149-	-1 to read "64B/6	5B RS-FEC PCS"	
SuggestedRemed	ly					Response		Response Status C			
	n in Sn in lines 1	9 and 20				, ACCEI		, .			
Response ACCEPT.	Resp	oonse Status C									

Pa **149** Li **27** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.4.3.1	P149	L <b>27</b>	# 66		C/ 149 SC 149.4.4	4.1 <i>P</i> 150	L <b>44</b>	# <u>1</u> 60
Nienckowski, Natalie	General Motors				Law, David	Hewlett Pack	ard Enterprise	
Comment Type E	Comment Status A			ΕZ	Comment Type E	Comment Status A		
It appears that in hT(t),	"h" and "(t)" are superscripts ar	nd "T" is a su	bscript.			DDE.indicate' should read 'PCS		dication', see IEEE Std
SuggestedRemedy						2.2.1 'Classification of service pr	imitives'.	
Change "h" and "(t)" to	normal with "T" as a subscript.				SuggestedRemedy			
Response	Response Status C				See comment.			
ACCEPT.					Response	Response Status C		
C/ 149 SC 149.4.4.1	P150	L <b>32</b>	# 68		ACCEPT.			
		LJZ	# 08		C/ 149 SC 149.4.4	4.1 <i>P</i> 151	L <b>7</b>	# <u>1</u> 12
Nienckowski, Natalie Comment Type E	General Motors Comment Status A			EZ	Lo, William	Axonne Inc.		
Comment Type E Missing return				EZ	Comment Type TR	Comment Status A		
3						ion is removed from the state di		
SuggestedRemedy Move "OK:" to be on	the line after "\/alues:					need for the watchdog variable		
					SuggestedRemedy			
Response ACCEPT.	Response Status C				Remove the entire p	paragraph on PMA_watchdog_s	tatus	
ACCEPT.				;	Response	Response Status C		
C/ 149 SC 149.4.4.1	P <b>150</b>	L <b>38</b>	# 69		ACCEPT.			
Nienckowski, Natalie	General Motors				C/ 149 SC 149.4.4	4.1 <i>P</i> 151	L <b>25</b>	# 67
Comment Type E	Comment Status A			ΕZ	Wienckowski, Natalie	General Moto	re	
Missing return					Comment Type E	Comment Status A		
SuggestedRemedy					Missing return			
Move "OK:" to be on	the line after "Values:				SuggestedRemedy			
Response	Response Status C				•• •	on the line after "Values:		
ACCEPT.					Response	Response Status <b>C</b>		
C/ 149 SC 149.4.4.1	P150	L <b>43</b>	# 27		ACCEPT.			
Anslow, Pete	Ciena	- 10						
Comment Type E	Comment Status A			EZ				
	Id not be split across two lines							
SuggestedRemedy								
Prevent "pcs_data_mod	de" from being split across lines n "pcs_data_mode" and type Es							
Response	Response Status <b>C</b>	,						

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Page, Line Pa **151** Li **25**  Page 44 of 61 7/17/2019 7:45:55 AM

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

, William					C/ 149	SC 149.5.1	P155			
	Axonne Inc.				Wienckows	ski, Natalie	General Moto	ors		
omment Type TR Comment	Status A			ΕZ	Comment	Туре Е	Comment Status R			EZ
The maxwait timer was removed in p	revious drafts but	t all reference t	o this was not cle	anly	Add no	on-breaking spa	ce in the number per the IEE	E-SA Style Manu	ıal.	
removed. Side note: the maxwait_timer functio	nality is actually in	n the autonea :	and Link		Suggested	Remedy				
Synchronization state diagrams so it						e: 175.78125 N 75.781 25 MHz.	/Hz.			
lggestedRemedy						5.761 Z5 IVINZ.				
Page 151 line 45 - Delete maxwait_ti					Response		Response Status C			
Page 144 line 21 - Delete ", until max Page 144 lines 24 to 27 - Delete para		es"			REJEC	51.				
Page 153 line 13 - Delete INIT_MAX arrow from DISABLE_TRANSMITTE Page 153 line 51 - Delete "stop max Page 182 line 35 - Delete maxwait_ti	WAIT_TIMER sta R to SILENT wait_timer" in box	,	arrow and recon	nect	The cu	irrent format is o	correct per 802.3 style for nur	nbers.		
esponse Response	Status C									
ACCEPT.										
149 SC 149.4.5	P154	L <b>12</b>	# 281							
puvignier, Tom	Broadcom									
omment Type <b>TR</b> Comment	Status A		State Dia	agrams						
There is a corner case in the Link Mo unnecessary delays in the startup pro branch condition from the LINK_DO	ocess. This can b	e fixed by a sir	nple change in th							
IggestedRemedy										
See page 4 of "tu_3ch_02_0719.pdf	-									
esponse Response	Status W									
ACCEPT IN PRINCIPLE.										
In Figure 149-34, change the transition pcs_data_mode = true.	on condition from	LINK_DOWN	to LINK_UP to be	9						
Also, change the transition condition = NOT_OK + PMA_refresh_status =		DUNK_DOWN	to be loc_rcvr_s	tatus						
In Figure 149-33, in State PCS_DAT	A, remove start n	ninwait_timer.								

Pa **155** Li **38** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

/ 149 SC 149.5.1 P155 L40 # 39	C/ 149 SC 149.5.1 P155 L41 # 116
arjadrad, Ramin Aquantia	Dudek, Mike Marvell
Comment Type T Comment Status A Test Modes	Comment Type T Comment Status R Test Mode
[JITTER TEST MODE] The description of test mode 2 needs to be expanded to allow the multiple test patterns. Comments tagged JITTER TEST MODE should be treated as a group. uggestedRemedy	Further work on PAM4 systems after Claue 94 was completed decided that the JP03A and JP03B signals were too un-representative of normal traffic. Instead the PRBS13Q pattern is used for jitter testing. The dual dirac jitter specification methodology has also been replaced by a more direct measure of jitter at the probability relevant to the clause. (Called J?U where ? is the probability of interest) and the Jrms value. The test methodology is defined in Clause 120D.3.1.8.1
Change the fourth paragraph of 149.5.1. to read:	SuggestedRemedy
Test mode 2 is for transmitter jitter testing on MDI when transmitter is in MASTER timing mode. When test mode 2 is enabled, the PHY shall transmit the pattern controlled by bits	Replace the reference to JP03A and JP03B with a reference to PRBS13Q described in sub clause 120.5.11.2.1 and change the references in 149.5.2.3.2 as well.
1.2313.1:0, as shown in Table 149-15a, with the transmitted symbols timed from its local clock source	Response Response Status C
	REJECT.
Insert Table 149-15a Jitter test modes         Table 149-15a Jitter test modes         Bit 1.2313.1   Bit 1.2313.0   Test Pattern         0         0         0         Square wave: a continuous pattern of 16*S {+1}	In the case of a bidirectional PHY with echo cancellation, the JP03A and JP03B signals are sufficient to check for even/odd jitter. The echo canceller has stricter requirements for other jitter found by the PRBS13Q sequence.
0   0   Square wave: a continuous pattern of 16*S {+1} symbols followed by 16*S {-1} symbols	C/ 149 SC 149.5.1 P155 L41 # 200
0   1   JP03A: a continuous pattern of JP03A (as specified in	Dawe, Piers Mellanox
94.2.9.1) 1   0   JP03B: a continuous pattern of JP03B (as specified in	Comment Type TR Comment Status A Test Mode
94.2.9.2)	It's disappointing to see these very artificial test patterns from Clause 94 being brought
1   1   Reserved	back when we have moved on to better methods for PAM4 testing in Annex 120D and subsequent clauses such as 136.
esponse Response Status C	SuggestedRemedy
ACCEPT IN PRINCIPLE. Comments 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the	Define jitter and linearity with PRBS13Q, following 120D.3.1.8 Output jitter and 120D.3.1.2 Transmitter linearity. Make JP03A and JP03B optional.
transmitter linearity and jitter test modes.	Response Response Status W
Modify the text as defined in wienckowski_3ch_02e_0719.pdf.	ACCEPT IN PRINCIPLE.
	In the case of a bidirectional PHY with echo cancellation, the JP03A and JP03B signals are sufficient to check for even/odd jitter. The echo canceller has stricter requirements for other jitter found by the PRBS13Q sequence.
	Comments 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.
	Modify the text as defined in wienckowski_3ch_02e_0719.pdf.

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īu, Mike	.5.1 <i>P</i> 155	L <b>44</b>	# 289	C/ 149	SC 149.5.1	P155	L <b>50</b>	# 120
u, wike	Broadcom			Sedarat, Hoss	ein	Ethernovia		
Comment Type T	Comment Status A		Test Modes	Comment Typ	e T	Comment Status A		Test Modes
The precoder out	e PCS generates continuous patte put is then mapped into PAM4. Thi e proposed change is based on dis	s paragraph sho	ould be rephrased to	short patte PRBS pat	ern to measu tern to meas	est, as defined in 149.5.2.2, re re the accuracy of the PAM4 I ure the transmit SNDR. Test r s. Since the nonlinearity of the	evels, and a hig mode 4 does no	gh-frequency and long ot provide a provision to
Change this para "Test mode 3 is f shall generate a specified in 149.3	graph to: or testing the precoder operation. V continuous pattern of {0, 3} symbols 3.2.2.19, to be precoded according e value set in register 1.2309:10:9,	s to be input to t to the Transmit	he transmit precoder precoder settings as	the long h peculiar w the test pa	igh-frequenc ay which ma attern is as e	M4 levels, the short test patte y pattern of QPRBS13, as def y be more fitting for a 100G-K fective, more efficient to imple specifications in another star	ined in 94.2.12. P4 transmitter. ement and less	.7, is constructed in a A simple PRBS13 as
	and transmitted by the PMA timed			SuggestedRe	medy			
Response ACCEPT.	Response Status C			as defined	d in equation I of first sente	nearity test pattern defined in 94-3 and figure 94-6". And in ence: "using ideal PAM4 level	subclause 149.	5.2.2, add the following
C/ 149 SC 149	.5.1 P155	L <b>46</b>	# 264	Response		Response Status C		
den Besten, Gerrit	NXP Semicon	ductors		ACCEPT	IN PRINCIPI	E.		
Comment Type T	Comment Status R		Test Modes	0	- 00 40 44	447 440 400 404	- 11 - 1	and malate data data
	n of {-1,+1} symbols" The meaning ing to toggling pattern or something		tinuous' is not very			117, 119, 120, 121, and 200 a d jitter test modes.	all change the to	ext related to the
SuggestedRemedy				Modify the	e text as defir	ed in wienckowski_3ch_02e_	0719.pdf.	
If this is about a t more specifically	oggline pattern, say toggling instea what was meant.	d of continuous.	If otherwise, specify	C/ 149	SC 149.5.1	P155	L <b>51</b>	# 117
Response	Response Status C			Dudek, Mike		Marvell		
response					e T			
REJECT.				Comment Typ		Comment Status A		
REJECT.	age is consistent with IEEE802.3 ι	isage.		Further we	ork on PAM4 est pattern is	Comment Status A systems after Claue 94 was o too un-representative of norm arity testing. TThe test metho	al traffic. Inste	ded that the transmitter ead the PRBS13Q
REJECT.	lage is consistent with IEEE802.3 ι	isage.		Further we	ork on PAM4 est pattern is used for line	systems after Claue 94 was o too un-representative of norm	al traffic. Inste	ded that the transmitter ead the PRBS13Q
REJECT.	age is consistent with IEEE802.3 ι	isage.		Further wi linearity te pattern is SuggestedRe Replace ti	ork on PAM4 est pattern is used for line medy he reference	systems after Claue 94 was o too un-representative of norm	al traffic. Inste dology is define	ead the PRBS13Q ed in Clause 120D.3.1.2
REJECT.	age is consistent with IEEE802.3 u	isage.		Further wi linearity te pattern is SuggestedRe Replace ti	ork on PAM4 est pattern is used for line medy he reference	systems after Claue 94 was of too un-representative of norm arity testing. The test metho to the transmitter linearity test	al traffic. Inste dology is define	ded that the transmitter ead the PRBS13Q ed in Clause 120D.3.1.2
REJECT.	age is consistent with IEEE802.3 υ	isage.		Further with linearity te pattern is SuggestedRed Replace t described Response	ork on PAM4 est pattern is used for line medy he reference	systems after Claue 94 was of too un-representative of norm arity testing. TThe test metho to the transmitter linearity test e 120.5.11.2.1 <i>Response Status</i> <b>C</b>	al traffic. Inste dology is define	ded that the transmitter ead the PRBS13Q ed in Clause 120D.3.1.2
REJECT.	age is consistent with IEEE802.3 υ	isage.		Further willinearity to pattern is SuggestedRea Replace to described Response ACCEPT Comment	ork on PAM4 est pattern is used for line: <i>medy</i> he reference in sub-claus IN PRINCIPI s 39, 40, 41,	systems after Claue 94 was of too un-representative of norm arity testing. TThe test metho to the transmitter linearity test e 120.5.11.2.1 <i>Response Status</i> <b>C</b>	al traffic. Inste dology is define t pattern with a	ded that the transmitter ad the PRBS13Q ed in Clause 120D.3.1.2 reference to PRBS13Q
REJECT.	age is consistent with IEEE802.3 u	isage.		Further will linearity to pattern is SuggestedRe Replace to described Response ACCEPT Comment transmitte	ork on PAM4 est pattern is used for line: medy he reference in sub-claus IN PRINCIPI is 39, 40, 41, or linearity and	systems after Claue 94 was of too un-representative of norm arity testing. TThe test metho to the transmitter linearity test e 120.5.11.2.1 <i>Response Status</i> <b>C</b> E. 117, 119, 120, 121, and 200 a	al traffic. Inste dology is define t pattern with a all change the to	ded that the transmitter ad the PRBS13Q ed in Clause 120D.3.1.2 reference to PRBS13Q
REJECT.	age is consistent with IEEE802.3 u	isage.		Further will linearity to pattern is SuggestedRe Replace to described Response ACCEPT Comment transmitte	ork on PAM4 est pattern is used for line: medy he reference in sub-claus IN PRINCIPI is 39, 40, 41, or linearity and	systems after Claue 94 was of too un-representative of norm arity testing. TThe test metho to the transmitter linearity test e 120.5.11.2.1 <i>Response Status</i> <b>C</b> E. 117, 119, 120, 121, and 200 and d jitter test modes.	al traffic. Inste dology is define t pattern with a all change the to	ded that the transmitter ead the PRBS13Q ed in Clause 120D.3.1.2 reference to PRBS13Q

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C/ 149	SC 149.5.1.1	P <b>156</b>	L19	# 208	C/ 149	SC 149.5.1.1	P <b>156</b>	L <b>33</b>	# <u>1</u> 18
Dawe, Pier	rs	Mellanox			Dudek, Mike		Marvell		
Comment		Comment Status A		Test Modes	Comment Typ		Comment Status A		Test Mode
		solution of numerical quantiti d, numerical limits in this sta		taken as exact. with the	1p⊢ is on signal	ly 50 Ohm at	3GHz. This probe will signifi	cantly degrade	the performance of the
numbe	er of significant d	igits and trailing zeros having	g no significance	e." Stating otherwise	SuggestedRe	medy			
		icated, and an attempt to enf nd testers can sort out their i			00	-	and use Figure 149-38 for the	se tests.	
Suggested	Remedy			·	Response		Response Status W		
Delete	The tolerance	of resistors shall be +/- 0.1%			ACCEPT	IN PRINCIPL	E.		
Response ACCE	PT IN PRINCIPL	Response Status W E.					ire states that "equivalent" fixi and leave it up to the impleme		
P156 I	-				Modify Fig	gure 149-36 a	and delete "with resistance > "	10 kOhm and c	apacitance < 1 pF"
Delete	: The tolerance of	of resistors shall be +/- 0.1%.			C/ 149	SC 149.5.2	P157	L <b>31</b>	# 202
P157 l	L35				Dawe, Piers		Mellanox		
	end of current p nce of $\pm 0.1\%$ .	aragraph: Transmitter elect	rical tests are sp	pecified with a load	Comment Typ		Comment Status A mean by "The PMA shall oper	rate with AC-co	Test Modes
C/ 149	SC 149.5.1.1	P156	L19	# 201	you sayin	g the transmi	tter is AC coupled? The rece y something else?		
Dawe, Pier	rs	Mellanox			SuggestedRe	medy			
Comment Not a t	<i>Type</i> <b>TR</b> test spec	Comment Status A		Test Modes	86A.4.1 n	PPI host to m	for this situation) might be use nodule electrical specification nput shall be AC-coupled, i.e	S	nt a high DC common-
Suggested Chang		" to "are defined for"			mode imp	edance	various methods for AC-coup	•	-
Response		Response Status W			Response		Response Status W		
ACCE	PT.				ACCEPT	IN PRINCIPL	.E.		
					From: Th	e PMA shall	operate with AC-coupling to the	he MDI.	
					To: The e	lectrical input	t shall be AC-coupled, i.e., it s	shall present a	high DC common mode

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C/ 149 SC 149	.5.2.2	P157	L <b>46</b>	# 121	C/ 149	SC 14	9.5.2.3.1	P158	L16	# 40
Sedarat, Hossein		Ethernovia			Farjadrad,	Ramin		Aquantia		
Comment Type <b>T</b>	Comm	nent Status A		Test Modes	Comment	Туре	r Com	ment Status A		Test Mode
the input noise o	the far-end rec		able impact on o	ignificant contributor to perating margin and	there a	are multip	le test patterns	available.		odified to reflect that
SuggestedRemedy					Comm	nents tagg	ed JITTER TES	ST MODE should be	treated as a gro	up.
Replace the sen	ence "The trans	mitter shall meet th	e SNDR distorti	on as specified in	Suggested	Remedy				
94.3.12.7" with "	The transmit SN	DR, as defined in 9	4.3.12.7 shall be	e greater than 38 dB"						urement for transmit
Response ACCEPT IN PRI	,	nse Status C				MDI jitter 149-38.	is measured wr	nen in test mode 2 a	nd using test fixt	ure 3 as shown in
Comments 39, 4 transmitter linear		120, 121, and 200 modes.	all change the te	ext related to the	mode		square wave p			measured when in test g test fixture 3 as showr
Modifv the text a	s defined in wier	nckowski 3ch 02e	0719.pdf.		Response		Respo	onse Status <b>C</b>		
, , , , , , , , , , , , , , , , , , , ,				"	ACCE	PT IN PR	INCIPLE.			
C/ 149 SC 149	.5.2.2	P <b>157</b>	L <b>46</b>	# 119	Comm	nents 39 /	40 41 117 110	9, 120, 121, and 200	all change the te	ext related to the
Dudek, Mike		Marvell					rity and jitter te		an onlange the t	
Comment Type T		nent Status A		Test Modes					0740 14	
for measuring SI	IDR. TThe test reference to Cla	t methodology is de	fined in Clause	oved the methodology 120D.3.1.6. Note also BS13 which was not	Modify	ine text a	as defined in wi	enckowski_3ch_02e	_0719.pdf.	
SuggestedRemedy										
Replace the test	methodology wi	th that from 120D.3	.1.6.							
Response	Respor	nse Status <b>C</b>								
ACCEPT IN PRI	NCIPLE.									
Comments 39, 4 transmitter linear		120, 121, and 200 modes.	all change the te	ext related to the						

Modify the text as defined in wienckowski\_3ch\_02e\_0719.pdf.

Pa **158** Li **16** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

[JITTER TEST MODE] Deterministic jitter test description needs to be modified to reflect that there are multiple test patterns available.       The word "Clause" doesn't belong before a subclause reference.         Comments tagged JITTER TEST MODE should be treated as a group.       SuggestedRemedy       Change first sentence of 149.5.2.3.2 from: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode with a local clock."       Clause 94.3.12.6.1 to 94.3.12.6.1. Also, "1" should be made part of the "External reference".         To: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode in test mode 2, with either the JP03A or JP03B pattern, and timed with a local clock."       Cl 149       SC 149.5.2.3.2       P158       L35       # 72         Comment 3.9, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Modify the text as defined in wienckowski_3ch_02e_0719.pdf.       Cl 149       SC 149.5.2.4       P158       L41       # 285         C/ 149       SC 149.5.2.4       P158       L41       # 285         Moslow, Pete       Ciena       Ci 149       SC 149.5.2.4       P158       L41       # 285	7 149 SC 14	9.5.2.3.2	P <b>158</b>	L <b>26</b>	# 41	C/ 149	SC 149.5.2.3	2 P158	L <b>29</b>	#	71	
[JTE2 TEST MODE] Deterministic jitter test description needs to be modified to reflect that there are multiple test patterns available.       Comments tagged JITER TEST MODE should be treated as a group.         Comments tagged JITER TEST MODE should be treated as a group.       Suggested/Remedy         Change first sentence of 140.52.3.2 from: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode with a local clock."       Response Status C         To: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode with a local clock."       Response Status C         To: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode with a local clock."       Response Status C         ACCEPT IN PRINCIPLE.       Comment Say. 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Response Status A       Et         'Itag SC 149.52.3.2       P158       L29       # 28         'Itag SC 149.52.3.2       P158       L41       # 26         'Itag SC 149.52.3.2       P158       L41       # 26         'Itag SC 149.52.3.2       P158       L41       # 26         'Itag SC 149.52.3.4       P158       L41       # 26         'Itag SC 149.52.3.4       P158       L41       # 26         'Itag SC 149.52.4       P158       L41       # 26	arjadrad, Ramin		Aquantia			Wienckow	ski, Natalie	General Motors	6			
that there are multiple test patterns available.         Comments tagged JITTER TEST MODE should be treated as a group.         SuggestedRemedy         Change fits sentence of 149.5.2.3.2 from: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode in test med 2 with either the JP03A or JP03B pattern, and timed with a local clock."         To: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode in test med 2 with either the JP03A or JP03B pattern, and timed with a local clock."         Coll clock."       Response Status C         ACCEPT IN PRINCIPLE.       Comment Sag, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.         Modify the text as defined in wienckowski.3ch_02e_0719.pdf.       Z2         Z/149       SC 149.5.2.3.2       P158       L29       # 28         maskow. Pete       Ciana       Comment Type       E       Comment Type       Comment Type       To comment Status A       P55         'as specified in Clause 94.3.12.6.1" should be "as specified in 94.3.12.6.1" and apply the character tag External to the final "1"       NXP Semiconductors       P55         Change is specified in Clause 94.3.12.6.2" should be "as specified in 94.3.12.6.1" and apply the character tag External to the final "1"       NXP Semiconductors       P55         'as specified in Clause 94.3.12.6.2" to 'as specified in 94.3.12.6.1" and apply the character tag Exte	Comment Type	T Comm	ment Status A		Test Modes	Comment	Туре Е	Comment Status A				Ež
Suggested/Remedy       Change first sentence of 149.5.2.3.2 from: "Jitter measurements in this subclause are performed with a local clock."       Response       Response Status C         To: "Jitter measurements in this subclause are performed with a local clock."       Response       Response Status C         To: "Jitter measurements in this subclause are performed with a local clock."       Cl 149 SC 149.5.2.3.2 P158 L35 # [2]         Response       Response Status C         ACCEPT IN PRINCIPLE.       Comment 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       The word "Clause 40.3.12.6.1 to 94.3.12.6.0"         Modify the text as defined in wienckowski.3ch_02e_0719.pdf.       Cl 149 SC 149.5.2.3.2 P158 L41 # [265]         Cl 149 SC 149.5.2.3.2 P158 L41 # [265]       Comment Type E Comment Status A         Suggested/Remedy       Change 'ns specified in Clause 94.3.12.6.1" and the final "1" should be in closes 94.3.12.6.1" and specified in 94.3.12.6.1" and apply the charace tag External to the final "1".       On line 35 ras specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2" to "as specified in Clause 94.3.12.6.2" to "as specified in Glause 94.3.12.6.2" to "as specified in Glause 94.3.12.6.2" to "as specified in 94.3.12.6.2" to "as specified in Glause 94.3.12.6.2" to "as specified in G				ription needs to I	be modified to reflect			sn't belong before a subclause	e reference.			
SuggestedRemedy       Response       Response Status C         Change first sentence of 149.5.2.3.2 from: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode with a local clock."       Response Status C         To: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode with a local clock."       C1 149 SC 149.5.2.3.2 P158 L.35 # TZ         Response       Response Status C         ACCEPT IN PRINCIPLE.       Comments 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter interint and jitter test modes.       Response Response Status C         Modify the text as defined in wienckowski. 3ch_02e_0719.pdf.       Clause 94.3.12.6.1 to 94.3.12.6.1 to 94.3.12.6.1 to 94.3.12.6.1 and the final '1' should be 'as specified in 94.3.12.6.1 and the final '1' should be 'as specified in 94.3.12.6.2 to 94.3.12.6.2 to 94.3.12.6.4 to	Comments tage	ed JITTER TES	T MODE should be	treated as a gro	up.			2.6.1 to 94.3.12.6.1. Also, "1'	should be m	ade part c	of the "Exter	nal
Clarge ints selected of 145.02.02.01014. Site interaction mode with a local clock."         To: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode with a local clock."         To: "Jitter measurements in this subclause are performed with the transmitter enabled in Master timing mode with a local clock."         Response       Response Status C         ACCEPT IN PRINCIPLE.         Comments 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.         Modify the text as defined in wienckowski.3ch_02e_0719.pdf.         C/ 149       SC 149.5.2.3.2       P158       L35       # [72]         Wienckowski, Natalie       General Motors       SuggestedRemedy         Change: Clause 94.3.12.6.1" should be 'as specified in Status A       EX         SuggestedRemedy       Change 'as specified in Clause 94.3.12.6.1" to 'as specified in 94.3.12.6.1" and apply the character tag External to the final '1''. So line 35 change 'as specified in Clause 94.3.12.6.1" to 'as specified in 94.3.12.6.1" and apply the character tag External to the final '1''. On line 35 change 'as specified in Clause 94.3.12.6.2" to 'as specified in Clause 94.3.12.6.1" to 'as specified in 94.3.12.6.1" and apply the character tag External to the final '1''. On line 35 change 'as specified in Clause 94.3.12.6.2" to 'as specified in 94.3.12.6.2"         Response       Response Status C         ACCEPT.       Cange the upper limit back to +2dB.         Response Status C       ACC	SuggestedRemedy											
Master timing mode in test mode 2, with either the JP03A or JP03B pattern, and timed with a local clock."       Wienckowski, Natalie       General Motors         Response       Response Status C       The word "Clause" doesn't belong before a subclause reference.       E         ACCEPT IN PRINCIPLE.       Comment 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Modify the text as defined in wienckowski_3ch_02e_0719.pdf.       E       Comment Status A       E         C/ 149       SC 149.5.2.3.2       P158       L29       # 28       C       ACCEPT.         C/ 149       SC 149.5.2.4       P158       L41       # 265         Anslow, Pete       Ciena       E       Comment Status A       E         Comment Type       E       Comment Status A       E         "as specified in Clause 94.3.12.6.1" should be "as specified in 94.3.12.6.1" and the final "1" should be "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       On line 35 change "as specified in Glause 94.3.12.6.2" to "as specified in 94.3.12.6.2".       SuggestedRemedy         Change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       On line 35 change "as specified in Glause 94.3.12.6.2" to "as specified in 94.3.12.6.2".<						•		Response Status C				
a local clock."       General Motors         Response       Response Status C         ACCEPT IN PRINCIPLE.       Comment 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Comment Say, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Comment Say, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Comment Say, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Comment Say, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Comment Say, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Comment Say, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Comment Say, 40, 41, 41, 41, 42, 42, 42, 42, 44, 44, 44, 44, 44, 44						C/ 149	SC 149.5.2.3	2 P158	L <b>35</b>	#	7 <u>2</u>	
Response       Response Status C         ACCEPT IN PRINCIPLE.       Comment 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       The word "Clause" doesn't belong before a subclause reference.         Modify the text as defined in wienckowski.jach_02e_0719.pdf.       Change: Clause 94.3.12.6.2 to 94.3.12.6.2.         C/ 149       SC 149.5.2.3.2       P158       L29       # 28         Comment Type       E       Comment Status A       CCEPT.         C/ 149       SC 149.5.2.4       P158       L41       # 265         comment Type       E       Comment Status A       PSI         "as specified in Clause 94.3.12.6.1" should be "as specified in 94.3.12.6.1" and the final "1".       On line 35 "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       On line 35 change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       SuggestedRemedy         Change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.2" to "as specified in 94.3.12.6.2" to "as specified in 94.3.12.6.2" to "as specified in 94.3.12.6.2".       SuggestedRemedy         Change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2".         Response       Response Sta		node in test mode	e 2, with either the J	IP03A or JP03B	pattern, and timed with	Wienckow	ski, Natalie	General Motors	6			
ACCEPT IN PRINCIPLE.       The word "Clause" doesn't belong before a subclause reference.         Comments 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       Suggested/Remedy         Modify the text as defined in wienckowski_3ch_02e_0719.pdf.       C/       149       SC 149.5.2.3.2       P158       L29       # 28         C/       149       SC 149.5.2.4       P158       L41       # 265         Comment Type       E       Comment Status       A       EZ         "as specified in Clause 94.3.12.6.1" should be "as specified in 94.3.12.6.1" and the final "1" should be in forest green font.       NXP Semiconductors         On line 35 ras specified in Clause 94.3.12.6.2" should be "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       Suggested/Remedy         Change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       C       Suggested/Remedy         Character Tag External to the final "1".       C       ACCEPT.       Suggested/Remedy       C         Character Tag External to the final "1".       C       C       ACCEP		Respo	nsa Status <b>C</b>			Comment	Туре Е	Comment Status A				EZ
Comments 39, 40, 41, 117, 119, 120, 121, and 200 all change the text related to the transmitter linearity and jitter test modes.       SuggestedRemedy         Modify the text as defined in wienckowski_3ch_02e_0719.pdf.       C/ 149       SC 149.5.2.3.2       P158       L29       # 28         Anslow, Pete       Ciena       C/ 149       SC 149.5.2.4       P158       L41       # 265         Comment Type       E       Comment Status       A       EZ       C/ 149       SC 149.5.2.4       P158       L41       # 265         Comment Type       E       Comment Status       A       EZ       C/ 149       SC 149.5.2.4       P158       L41       # 265         Modify the text as getified in Clause 94.3.12.6.1" should be "as specified in 94.3.12.6.1" and the final "1"       Sc 149.5.2.4       P158       L41       # 265         Comment Type       E       Comment Status       A       EZ       C/ 149       SC 149.5.2.4       P158       L41       # 265         Modify the text as specified in Clause 94.3.12.6.2" should be "as specified in 94.3.12.6.1" and the final "1"       Sc 149.5.2.4       P158       L41       # 265         Comment Type       T       Comment Type       Sc 14		•				The w	ord "Clause" doe	sn't belong before a subclause	e reference.			
Anslow, Pete Ciena Comment Type E Comment Status A EZ "as specified in Clause 94.3.12.6.1" should be "as specified in 94.3.12.6.1" and the final "1" should be in forest green font. On line 35 "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1". On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2" to "as specified in 94.3.12.6.2". SuggestedRemedy Change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1". On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2". Response Response Status C ACCEPT.	transmitter linea	arity and jitter tes	t modes.	-		Response						
Comment Type       E       Comment Status       A       EZ         "as specified in Clause 94.3.12.6.1" should be "as specified in 94.3.12.6.1" and the final "1" should be in forest green font.       Contract reases the upper limit for 10Gbps operation. However this shift makes the upper limit on the lower limit for 10Gbps operation. However this shift makes the upper limit on the lower limit for 10Gbps operation. However this shift makes the upper limit on the lower limit for 10Gbps operation. However this shift makes the upper limit on the lower limit for 10Gbps operation. However this shift makes the upper limit on the lower limit for 10Gbps operation. However this shift makes the upper limit on the lower limit for 10Gbps operation. However this shift makes the upper limit on the lower limit for 10Gbps operation. However this shift makes the upper limit on the lower limit for 10Gbps operation. However this shift makes the upper limit on the lower limit for 10Gbps operation. However this shift makes the upper limit unnessarilly more critical for lower speed operation.         SuggestedRemedy       SuggestedRemedy </td <td></td> <td>9.5.2.3.2</td> <td></td> <td>L<b>29</b></td> <td># 28</td> <td>C/ 149</td> <td>SC 149.5.2.4</td> <td>P158</td> <td>L<b>41</b></td> <td>#</td> <td>265</td> <td></td>		9.5.2.3.2		L <b>29</b>	# 28	C/ 149	SC 149.5.2.4	P158	L <b>41</b>	#	265	
"as specified in Clause 94.3.12.6.1" should be "as specified in 94.3.12.6.1" and the final "1"       "The transmit power range was shifted from -1dB/+2dB to -1.5dB/+1.5dB based on concerns on the lower limit for 10Gbps operation. However this shift makes the upper limit for 10Gbps operation. However this shift makes the upper limit unnessarilly more critical for lower speed operation.         SuggestedRemedy       Change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1". On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2".       SuggestedRemedy         Change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1". On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2".       Response Response Status C         Response       Response Status C       ACCEPT.         ACCEPT.       Change: the transmit power shall be in the range of -1.5 dBm to 1.5 dBm	,					den Bester	n, Gerrit	NXP Semicono	luctors			
should be in forest green font. On line 35 "as specified in Clause 94.3.12.6.2" should be "as specified in 94.3.12.6.2" SuggestedRemedy Change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1". On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2". Response Response Status C ACCEPT. ACCEPT.						Comment	Туре Т	Comment Status A				PSL
SuggestedRemedy       Change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       SuggestedRemedy       Change the upper limit back to +2dB.         On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2".       Response       Response Status       C         ACCEPT.       Change: the transmit power shall be in the range of -1.5 dBm to 1.5 dBm	should be in for	est green font.				conce	rns on the lower I	imit for 10Gbps operation. Ho				mit
Change "as specified in Clause 94.3.12.6.1" to "as specified in 94.3.12.6.1" and apply the character tag External to the final "1".       Change the upper limit back to +2dB.         On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2".       Response       Response Status       C         Response       Response Status       C       ACCEPT.       ACCEPT.       Change: the transmit power shall be in the range of -1.5 dBm to 1.5 dBm	SuggestedRemedy						-					
On line 35 change "as specified in Clause 94.3.12.6.2" to "as specified in 94.3.12.6.2" .       Response       Response Status       C         Response       Response Status       C       ACCEPT IN PRINCIPLE.       ACCEPT.         ACCEPT.       Change: the transmit power shall be in the range of -1.5 dBm to 1.5 dBm	Change "as spe	cified in Clause	94.3.12.6.1" to "as s	specified in 94.3	.12.6.1" and apply the	00		back to +2dB.				
Response       Response Status       C       ACCEPT IN PRINCIPLE.         ACCEPT.       Change: the transmit power shall be in the range of -1.5 dBm to 1.5 dBm	On line 35 char	xternal to the fina	al "1". in Clause 94.3.12.6	.2" to "as specifi	ied in 94.3.12.6.2" .	_						
Change: the transmit power shall be in the range of -1.5 dBm to 1.5 dBm						ACCE	PT IN PRINCIPL	•				
To: the transmit power shall be in the range of -1 dBm to 2 dBm	ACCEPT.					Chang	e: the transmit p	ower shall be in the range of	-1.5 dBm to 1	.5 dBm		
						To: th	e transmit power	shall be in the range of -1 dE	m to 2 dBm			

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: Page, Line

Pa **158** Li **41** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC ·	149.5.2.4	P <b>158</b>	L <b>42</b>	# <u>7</u> 3		C/ 149	SC 149.5.3.	2	P160	L <b>20</b>	# 187	
Wienckowski, Nat	talie	General Motor	S			Brandt, David			Rockwell Auto	omation		
Comment Type	Е	Comment Status A			ΕZ	Comment Typ	be T	Comment	Status R		Tes	st Modes
unnecessary a	article										t wouldn't these f	
SuggestedRemed	ły										en they get to the ame link segmen	
Change: using		ture 4				specified						
To: using test		_				SuggestedRe	medy					
Response		Response Status C					whether the	same terminolo	ogy, packet size	es and measure	ement points can	be
ACCEPT.						used.						
C/ 149 SC ·	149.5.3.1	P160	L11	# 186		Response		Response S	Status C			
Brandt, David		Rockwell Auto	mation			REJECT.						
Comment Type	т	Comment Status R		Tes	t Modes	The comr	ment descript	tion does not co	ontain sufficient	t detail so that t	he TF can unders	stand
	d FCS, I get	ne error ratio comes from. I FER = 1e-12 * (800 + 22)				the comm	nent does not		ent detail so the		suggested remed nderstand the spe	
	/IAC farme o	verhead.										
not add any N SuggestedRemed		verhead.				C/ 149	SC 149.8.2.	1	P163	L <b>20</b>	# 249	
not add any N SuggestedRemed	ły	verhead. describe better.						1			# 249	
not add any N SuggestedRemed	<i>ly</i> the math or					Cl <b>149</b> den Besten, C Comment Typ	Gerrit	1 Comment	NXP Semicon		# 249	MDI
not add any M SuggestedRemed Please check	<i>ly</i> the math or	describe better.				den Besten, O Comment Typ The MDI	Gerrit De <b>TR</b> return loss at	Comment	NXP Semicon Status <b>A</b> / is tighter than	ductors necessary IMC	D. The MDI is far-	end
not add any M SuggestedRemed Please check Response REJECT. The comment the specific ch the comment	<i>ty</i> the math or t description hanges requ does not co	describe better. <i>Response Status</i> <b>C</b> does not contain sufficient ested by the commenter. In ntain sufficient detail so tha	n addition, the s	suggested remedy	y in	den Besten, C Comment Typ The MDI return los therefore loss and	Gerrit De <b>TR</b> return loss at s which gets doesn't wors MDI return lo	Comment t high frequency twice attenuate sen the RL/IL ra	NXP Semicon Status <b>A</b> / is tighter than ed by insertion tio. I think the c	ductors necessary IMC loss. This returr currently specifi		end t
not add any M SuggestedRemed Please check Response REJECT. The comment the specific ch	<i>ty</i> the math or t description hanges requ does not co	describe better. <i>Response Status</i> <b>C</b> does not contain sufficient ested by the commenter. In ntain sufficient detail so tha	n addition, the s	suggested remedy	y in	den Besten, C Comment Typ The MDI return los therefore loss and	Gerrit De <b>TR</b> return loss at s which gets doesn't wors MDI return lo o relax the M	Comment t high frequency twice attenuate sen the RL/IL ra ss are not well	NXP Semicon Status <b>A</b> / is tighter than ed by insertion tio. I think the c	ductors necessary IMC loss. This returr currently specifi	). The MDI is far- n loss component ed link segment r	end t
not add any M SuggestedRemed Please check Response REJECT. The comment the specific ch the comment changes requi	the math or t description hanges requ does not co lested by the 149.5.3.2	describe better. <i>Response Status</i> <b>C</b> does not contain sufficient ested by the commenter. In ntain sufficient detail so that commenter. <i>P</i> 160	n addition, the s at the TF can ur <i>L</i> 17	suggested remedy	y in	den Besten, C Comment Typ The MDI return los therefore loss and l propose t SuggestedRe Formula	Gerrit be <b>TR</b> return loss at s which gets doesn't wors MDI return lo o relax the <i>W</i> <i>medy</i> 12-10log(f/30	Comment of thigh frequency twice attenuate sen the RL/IL ra iss are not well IDI return loss.	NXP Semicon Status <b>A</b> y is tighter than ad by insertion tio. I think the of balanced for a	ductors necessary IMC loss. This returr currently specifi	D. The MDI is far- n loss component ed link segment r st. I would like to	end t
not add any M SuggestedRemed Please check Response REJECT. The comment the specific ch the comment changes requi	the math or t description hanges requ does not co lested by the <b>149.5.3.2</b> talie	describe better. <i>Response Status</i> <b>C</b> does not contain sufficient ested by the commenter. In ntain sufficient detail so that commenter. <i>P</i> 160 General Motor	n addition, the s at the TF can ur <i>L</i> 17	suggested remedy nderstand the spe	y in ccific	den Besten, C Comment Typ The MDI return los therefore loss and l propose t SuggestedRe Formula	Gerrit be <b>TR</b> return loss at s which gets doesn't wors MDI return lo o relax the <i>W</i> <i>medy</i> 12-10log(f/30	Comment of thigh frequency twice attenuate sen the RL/IL ra iss are not well IDI return loss.	NXP Semicon Status <b>A</b> y is tighter than ed by insertion tio. I think the o balanced for a 0 10-10*log(f/30 to 10-20*log(f/3	ductors necessary IMC loss. This return currently specifi low relative cos	D. The MDI is far- n loss component ed link segment r st. I would like to	end t
not add any M SuggestedRemed Please check Response REJECT. The comment the specific ch the comment changes requi	the math or t description hanges requidoes not co lested by the <b>149.5.3.2</b> talie <b>E</b>	describe better. <i>Response Status</i> <b>C</b> does not contain sufficient ested by the commenter. In ntain sufficient detail so that commenter. <i>P</i> 160	n addition, the s at the TF can ur <i>L</i> 17	suggested remedy nderstand the spe	y in	den Besten, C Comment Typ The MDI return los therefore loss and l propose t SuggestedRe Formula Formula	Gerrit be <b>TR</b> return loss at s which gets doesn't wors MDI return lo o relax the <i>W</i> <i>medy</i> 12-10log(f/30	Comment of thigh frequency twice attenuate sen the RL/IL rans are not well 1DI return loss. 100) change into 000) change into Response S	NXP Semicon Status <b>A</b> y is tighter than ed by insertion tio. I think the o balanced for a 0 10-10*log(f/30 to 10-20*log(f/3	ductors necessary IMC loss. This return currently specifi low relative cos	D. The MDI is far- n loss component ed link segment r st. I would like to	end t
not add any M SuggestedRemed Please check Response REJECT. The comment the specific ch the comment changes required Cl 149 SC - Wienckowski, Nat Comment Type	the math or t description hanges requidoes not co lested by the <b>149.5.3.2</b> talie <b>E</b> rd comma.	describe better. <i>Response Status</i> <b>C</b> does not contain sufficient ested by the commenter. In ntain sufficient detail so that commenter. <i>P</i> 160 General Motor	n addition, the s at the TF can ur <i>L</i> 17	suggested remedy nderstand the spe	y in ccific	den Besten, C Comment Typ The MDI return los therefore loss and l propose t SuggestedRe Formula Formula Response ACCEPT Implemer	Gerrit be <b>TR</b> return loss at s which gets doesn't wors MDI return lo o relax the <i>W</i> <i>medy</i> 12-10log(f/30 12-20*log(f/31 IN PRINCIP nt changes to	Comment of thigh frequency twice attenuate sen the RL/IL rates are not well IDI return loss. (000) change into (000) cha	NXP Semicon Status <b>A</b> y is tighter than ed by insertion tio. I think the of balanced for a 0 10-10*log(f/30 to 10-20*log(f/30 Status <b>C</b> shown on pag	aductors necessary IMC loss. This return currently specifi low relative cos 2000S) for 300S- 2000S) for 3000 for 3000	D. The MDI is far- n loss component ed link segment r st. I would like to cf<3000S S <f<fmax en_3ch_03a_071</f<fmax 	end t return 9.pdf
not add any M SuggestedRemed Please check Response REJECT. The comment the specific ch the comment changes requi Cl 149 SC Wienckowski, Nat Comment Type Missing Oxfor SuggestedRemed Change: Gau	the math or t description hanges requidoes not co- lested by the <b>149.5.3.2</b> talie <b>E</b> rd comma.	describe better. <i>Response Status</i> <b>C</b> does not contain sufficient ested by the commenter. In ntain sufficient detail so that commenter. <i>P</i> 160 General Motor	n addition, the s at the TF can ur <i>L</i> 17 s	suggested remedy nderstand the spe	y in ccific	den Besten, C Comment Typ The MDI return los therefore loss and l propose t SuggestedRe Formula Response ACCEPT Implemer with edito	Gerrit De TR return loss at s which gets doesn't wors MDI return lo o relax the M medy 12-10log(f/30 12-20*log(f/30 IN PRINCIP nt changes to rial license to	Comment of thigh frequency twice attenuate sen the RL/IL rates are not well IDI return loss. (000) change into (000) cha	NXP Semicon Status <b>A</b> y is tighter than ad by insertion tio. I think the of balanced for a 0 10-10*log(f/3) to 10-20*log(f/3) Status <b>C</b> shown on pag- uation correctly	aductors necessary IMC loss. This return currently specifi low relative cos 2000S) for 300S- 2000S) for 3000 for 3000	D. The MDI is far- n loss component ed link segment r st. I would like to cf<3000S S <f<fmax< td=""><td>end t return 9.pdf</td></f<fmax<>	end t return 9.pdf
not add any M SuggestedRemed Please check Response REJECT. The comment the specific ch the comment changes requi Cl 149 SC Wienckowski, Nat Comment Type Missing Oxfor SuggestedRemed Change: Gau	the math or the math or hanges requidoes not co- lested by the <b>149.5.3.2</b> talle <b>E</b> rd comma.	r describe better. <i>Response Status</i> <b>C</b> does not contain sufficient ested by the commenter. In ntain sufficient detail so that commenter. <i>P</i> 160 General Motor <i>Comment Status</i> <b>A</b> bution, bandwidths and mage	n addition, the s at the TF can ur <i>L</i> 17 s	suggested remedy nderstand the spe	y in ccific	den Besten, C Comment Typ The MDI return los therefore loss and l propose t SuggestedRe Formula Response ACCEPT Implemer with edito	Gerrit De TR return loss at s which gets doesn't wors MDI return lo o relax the M medy 12-10log(f/30 12-20*log(f/30 IN PRINCIP nt changes to rial license to	Comment of thigh frequency twice attenuate sen the RL/IL ra- iss are not well IDI return loss. (000) change into (000) c	NXP Semicon Status <b>A</b> y is tighter than ad by insertion tio. I think the of balanced for a 0 10-10*log(f/3) to 10-20*log(f/3) Status <b>C</b> shown on pag- uation correctly	aductors necessary IMC loss. This return currently specifi low relative cos 2000S) for 300S- 2000S) for 3000 for 3000	D. The MDI is far- n loss component ed link segment r st. I would like to cf<3000S S <f<fmax en_3ch_03a_071</f<fmax 	end t return 9.pdf

Pa **163** Li **20** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.8.2	2.1 P163	L <b>23</b>	# 248		C/ 149	SC 1	149.8.2.1		P168	L1	#	<sup>‡</sup> 268	
den Besten, Gerrit	NXP Semicor	nductors			Stewart, He	eath			Analog Devic	es			
Comment Type T	Comment Status D			MDI	Comment	Туре	TR	Comment	Status D				MDI
The MDI curve is dis	continous at 500MHz: 20dB ve	rsus 19.78dB.							sidering a 2uH				
SuggestedRemedy									cy MDI return I undermines the				n this
Implicitly fixed by pro	posal to relax MDI return loss	a bit. See next ite	em.		Suggested			specification				•	
Proposed Response	Response Status <b>C</b>				00	,	,	719" Slide 13	and 16				
REJECT.						_							
					Proposed I	•	se	Response S	Status C				
This comment was V	VITHDRAWN by the commenter	ər.			REJEC	CT.							
C/ 149 SC 149.7.1	l.4 P164	L <b>32</b>	# 244		This co	omment	t was WIT	HDRAWN by	the commenter	er.			
Zimmerman, George	ADI, APL Gp	, Aquantia, BMW,	, Cisco, Commsco	ope. S	C/ 149	SC 1	149.8.2.1		P168	L1	#	# 269	
Comment Type T	Comment Status A			EZ		ooth				05			
"The coupling attenu	ation is tested Additional cou	pling attenuation	test methodologi	<i>EZ</i> es"	Stewart, He		TR		Analog Device	es			MDI
"The coupling attenu seems contradictory	ation is tested Additional course it implies that the annex cont	pling attenuation ains other ways to	n test methodologie to test the coupling	<i>EZ</i> es" g	Stewart, He	Туре	TR W Return I	Comment	Status A		performan	ce of powe	
"The coupling attenu seems contradictory attenuation. I believe	ation is tested Additional cou	pling attenuation ains other ways to pass testing acc	n test methodologie to test the coupling cording to the IEC	<i>EZ</i> es" g	Stewart, He Comment High fr couplin	<i>Type</i> requency ng induc	y Return L ctors and M	Comment S oss was pres MDI connecto	Status <b>A</b> sented conside ors. However, to	ering the best p o provide addit	tional prot	ection to t	er he
"The coupling attenu seems contradictory attenuation. I believe	ation is tested Additional cou - it implies that the annex cont a we are requiring that the cable	pling attenuation ains other ways to pass testing acc	n test methodologie to test the coupling cording to the IEC	<i>EZ</i> es" g	Stewart, He Comment High fr couplin PHY, a	<i>Type</i> requency ng induc allowanc	ey Return L ctors and M ce needs t	Comment S oss was pres MDI connecto o be made fo	Status <b>A</b> sented conside ors. However, to or ESD clampin	ering the best p o provide addit ng devices. Ne	tional prot ed to revis	ection to t se the high	he า
"The coupling attenu seems contradictory attenuation. I believe spec, with the param	ation is tested Additional cou - it implies that the annex cont a we are requiring that the cable	pling attenuation ains other ways to pass testing acc	n test methodologie to test the coupling cording to the IEC	<i>EZ</i> es" g	Stewart, He Comment High fr couplin PHY, a frequen	<i>Type</i> requency ng induc allowance ncy mas	ey Return L ctors and M ce needs t sk to acco	Comment S oss was pres MDI connecto o be made fo	Status <b>A</b> sented conside ors. However, to	ering the best p o provide addit ng devices. Ne	tional prot ed to revis	ection to t se the high	er he n
"The coupling attenu seems contradictory attenuation. I believe spec, with the param normative) SuggestedRemedy Change "In order to I	ation is tested Additional cou - it implies that the annex cont e we are requiring that the cable interes specified in Annex 149A. limit the noise at the receiver as	pling attenuation ains other ways to pass testing acc (or else Annex 1	n test methodologie to test the coupling cording to the IEC 149A can't be	<i>EZ</i> es" g	Stewart, He Comment High fr couplir PHY, a frequen Suggested	Type requency ng induc allowanc ncy mas	ey Return L ctors and M ce needs t sk to acco	Comment s oss was pres MDI connecto o be made fo modate for ac	Status A sented conside ors. However, to or ESD clampin dditional capac	ering the best p o provide addit ng devices. Ne	tional prot ed to revis	ection to t se the high	er he n
"The coupling attenu seems contradictory attenuation. I believe spec, with the param normative) SuggestedRemedy Change "In order to I link segment shall m	ation is tested Additional cou - it implies that the annex cont e we are requiring that the cable interes specified in Annex 149A. limit the noise at the receiver as eet	pling attenuation ains other ways to pass testing acc (or else Annex 1 s well as emission	n test methodologie to test the coupling cording to the IEC 149A can't be ons, the MultiGBAS	<i>EZ</i> es" g SE-T1	Stewart, He Comment High fr couplir PHY, a frequen Suggested	Type requency ng induc allowanc ncy mas	ey Return L ctors and M ce needs t sk to acco	Comment S oss was pres MDI connecto o be made fo	Status A sented conside ors. However, to or ESD clampin dditional capac	ering the best p o provide addit ng devices. Ne	tional prot ed to revis	ection to t se the high	er he n
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"The coupling attenu seems contradictory attenuation. I believe spec, with the param normative) SuggestedRemedy Change "In order to I link segment shall m the coupling attenuat attenuation is tested as specified in IEC 6 attenuation test meth	ation is tested Additional cou - it implies that the annex cont we are requiring that the cable leters specified in Annex 149A. limit the noise at the receiver at eet tion values determined by using 2153-4-7 using triaxial tube in the hodologies	pling attenuation ains other ways to pass testing acc (or else Annex 1 s well as emission g Equation (149–2	n test methodologie to test the coupling cording to the IEC 149A can't be ons, the MultiGBAS -24). The coupling	<i>EZ</i> es" g SE-T1	Stewart, He Comment High fr couplin PHY, a frequen Suggested See "s Response ACCEF	Type requency ng induc allowanc ncy mas dRemedy stewart_3 PT IN P	y Return L ctors and M ce needs t sk to acco y 3ch_01_0 PRINCIPLE	Comment S Loss was pres MDI connecto o be made fo modate for ac 719" Slide 15 Response S	Status A sented conside ors. However, tr or ESD clampin dditional capac 5 and 16 Status C	ering the best p o provide addit g devices. Ne itive loading d	tional prot ed to revis lue to thes	ection to ti se the high se devices	er he n
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"The coupling attenu seems contradictory attenuation. I believe spec, with the param normative) SuggestedRemedy Change "In order to I link segment shall m the coupling attenuat attenuation is tested as specified in IEC 6 attenuation test meth are defined in Annex to: "In order to limit th IEC 62153-4-7 triaxia	ation is tested Additional cou - it implies that the annex cont we are requiring that the cable leters specified in Annex 149A. limit the noise at the receiver at eet tion values determined by using 2153-4-7 using triaxial tube in the bodologies 149A." he noise at the receiver as well al tube in tube method as speci	pling attenuation ains other ways to pass testing acc (or else Annex 1 s well as emission g Equation (149–2 tube method. Add as emissions, wh fied in Annex 149	a test methodologie to test the coupling cording to the IEC 149A can't be ons, the MultiGBAS -24). The coupling ditional coupling when tested using to 9A, the MultiGBAS	EZ es" g SE-T1 sE-T1	Stewart, He Comment High fr couplin PHY, a frequen Suggested See "si Response ACCEF	Type requency ng induc allowanc nncy mas <i>IRemedy</i> stewart_3 PT IN P PT IN P ment cha ditorial li	y Return L ctors and M ce needs t sk to acco y 3ch_01_0 PRINCIPLE anges to E icense to f	Comment 3 Loss was pres MDI connecto o be made fo modate for ac 719" Slide 15 <i>Response S</i> E. Eq. 149-27 as ormat the equ	Status A sented conside ors. However, to or ESD clampin dditional capac and 16 Status C	ering the best p o provide addit g devices. Ne itive loading d e 3 of DenBes	tional prot ed to revis lue to thes sten_3ch_	ection to ti se the high se devices 03a_0719	er he n

Pa **168** Li **1** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

den Besten, Gerrit       NXP Semiconductors         Comment Type       TR       Comment Status A       MDI         There is currently only one MDI return loss template for all speeds. I think we should differentiate requirements for different speeds to allow looser spec for 2.5Gbps and 5Gbps. Otherwise these lower speeds will be overspecified. The easiest way to achieve this is by scaling all frequency values by S except for the 1MHz lower bound.       MDI         SuggestedRemedy       Change:       10> 10S       Comment Type       E       Comment Type       Comment Type       The Comment Type       The Comment Status A       "AN" and "EEE" appear in the Status column in 149.11.4.1, so they should be "*AN" at "EEE" (preceded by "*")         SuggestedRemedy       Change:       10> 10S       Southerwise the search and the status column in 149.11.4.1, so they should be "*AN" at "EEE" (preceded by "*")       SuggestedRemedy         0000> 5000S       5000> 500S       Remove:       Response       Response Status C         For 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 × S MHz.       Comment Type       Comment Type       Comment Type	149 SC 149.8.2.1 P168 L2	# <u>2</u> 90		C/ 149	SC	149.9.2.2	P169	L <b>41</b>	# <u>1</u> 88	
The MDI return loss specification as shown in Equation 149-27 is unnecessarily restrictive. SuggestedRemedy See the proposal on the last page of "vakilian_3ch_01_0719.pdf". Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf with editorial license to format the equation correctly. In addition, update associated Figure 149-47 to reflect the updated equation. The MDI return loss is a shown on page 3 of DenBesten_3ch_03a_0719.pdf There is currently only one MDI return loss is a shall in other Clauses. There is currently only one MDI return loss is 4000 × S MHz. Remove: For 2.SGBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 × S MHz. Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	, Mike Broadcom			Brandt, Da	vid		Rockwell Auto	mation		
SuggestedRemedy         See the proposal on the last page of "vakilian_3ch_01_0719.pdf".         Cesponse       Response Status C         ACCEPT IN PRINCIPLE.         Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf         27/ 149       SC 149.8.2.1         P168       L2       # 247         Change 2nd: "shall be tested". To: "is expected to allow products to be tested"         Delete: ES4 and ES5.         Item Besten, Gerrit       NXP Semiconductors         Comment Type       TR         Comment Status A       MDI         There is currently only one MDI return loss template for all speeds. I think we should differentiate requirements for different speeds will be overspecified. The easiest way to achieve this is by scaling all requency values by secopt for the 1MHz lower bound.         SuggestedRemedy       Change:         Change:       Change:         10 -> 10S       Sourcent MDI return loss is 4000 x S MHz.         Remove:       Response Response Status C         ACCEPT IN PRINCIPLE.       Change: AN' and "EEE" is the status column in 149.114.1, so they should be "*AN" at "EE" (preceded by "")         SuggestedRemedy       Change: AN' and "EEE" is the "AN" and "EEE" is the "AN" and "EEE"         Change:       Change:       Change: AN' and "EEE" is the "AN" and "EEE"         10 -> 10S       Souro -	mment Type T Comment Status A		MDI	Comment	Туре	т	Comment Status R			EM
See the proposal on the last page of "vakilian_3ch_01_0719.pdf". Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf with editional license to format the equation correctly. In addition, update associated Figure 149-47 to reflect the updated equation. C/ 149 SC 149.8.2.1 P168 L2 # 247 There is currently only one MDI return loss template for all speeds. I think we should differentiate requirements for different speeds will be overspecified. The easiest way to bachieve this is by scaling all frequency values by S except for the 1MHz lower bound. Suggested/Remedy Change: 10 -> 10S 500 -> 500S 3000 -> Finax Remove: For 2.5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 x S MHz. Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	The MDI return loss specification as shown in Equation 149-27 is u	nnecessarily restri	ictive.	This p	aragrap	h has 2 sh	alls that apply to entire produ	ucts. The seen	ns out of our sc	ope.
Response       Response Status       C         ACCEPT IN PRINCIPLE.       Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf       with editorial license to format the equation.       Change 1st. "shall". To: "is expected be able to"         Change 2nt. "shall be tested", To: "is expected be able to"       Change 2nt. "shall be tested", To: "is expected to allow products to be tested"         Cl 149       SC 149.8.2.1       P168       L2       # 247         Implement changes not correctly. In addition, update associated Figure       The devices are required to meet applicable laws. This is a shall in other Clauses.         Cornment Type       TR       Comment Status A       MDD         There is currently only one MDI return loss template for all speeds. I think we should differentiate requirements for different speeds to allow looser specific 7.2.5Gbps and 5Gbps.       Ansiow, Pete       Clena         Change 2nt: "10 ~-> 108       SuggestedRemedy       Change 2nt: the Status column in 149.11.4.1, so they should be "*AN" at "EEE" (preceded by "**)         SuggestedRemedy       Change 2nt: the Status C       ACCEPT IN PRINCIPLE.         Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf       SuggestedRemedy	ggestedRemedy			Suggested	Remed	ły				
desponse       Response Status C         ACCEPT IN PRINCIPLE.         Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf         149       SC 149.82.1       P 168       L 2       # 247         Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf       Model       Response Status C         7/149       SC 149.82.1       P 168       L 2       # 247         Implement changes to reflect the updated equation.       NXP Semiconductors       Model         Change 2nt: "shall be tested", To: "is expected to allow products to be tested"       Detext: ES4 and ES5.         Response Transe       Response Status C       Response Status C         Change 2nt: "shall be tested", To: "is expected to allow products to be tested"       Detext: ES4 and ES5.         Response Transe       Comment Type TR       Comment Type TR       Comment Type TR         Change:       Comment Type E       Comment Type E       Comment Type Comment Type Transe         10 -> 10S       SuggestedRemedy       Change:       Change:       Change:       Change:         10 -> 10S       Status C       ACCEPT IN PRINCIPLE.       Response Status C       ACCEPT.         Model -> Status       C       ACCEPT IN PRINCIPLE.       Change AN* and "EEE" to "*AN* and "*EEE"         Response St	See the proposal on the last page of "vakilian_3ch_01_0719.pdf".			Sugge	st the "	shalls" be	replaced with text in the spiri	t of the last se	ntence of the pa	aragraph.
ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf with editorial license to format the equation correctly. In addition, update associated Figure 149-47 to reflect the updated equation. CI 149 SC 149.82.1 P168 L2 # 247 Jen Besten, Gerrit NXP Semiconductors Comment Type TR Comment Status A MDDI There is currently only one MDI return loss template for all speeds. I think we should differentiate requirements for different speeds to allow loser speed to 2.5Gbps and 5Gbps. Otherwise these lower speeds will be overspecified. The easiest way to achieve this is by scaling all frequency values by S except for the 1MHz lower bound. SuggestedRemedy Change: 10 -> 108 500 -> 500S 3000 -> 3000S 4000 -> 500S 3000 -> SMHz. Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	sponse Response Status C									
Implement changes to Eq. 149-27 as shown on page 3 of DerBester_3ch_03a_0719.pdf         Implement changes to Eq. 149-27 as shown on page 3 of DerBester_3ch_03a_0719.pdf	· · ·						ested", Io: "is expected to all	ow products to	be tested"	
with editorial license to format the equation correctly. In addition, update associated Figure 149-47 to reflect the updated equation.       REJECT.         C1 149       SC 149.8.2.1       P168       L2       # 247         den Besten, Gerrit       NXP Semiconductors       MDI         Comment Type       TR       Comment Status A       MDI         differentiate requirements for different speeds to allow looser spee for 2.5Gbps and 5Gbps.       Cl 149       SC 149.11.3       P172       L6       # 29         Anslow, Pete       Ciena       Comment Status A       MDI         SuggestedRemedy       Change:       10 -> 10S       500 -> 500S       3000 -> 500S       S000 -> 500S       Change: NHD return loss is 4000 x S MHz.       Change * Response Status C         Remove:       For 2.5GBASE-T1, sGBASE-T1, the maximum applicable frequency for the MD return loss is 4000 x S MHz.       Response Status C       ACCEPT.         Response       Response Status C       ACCEPT IN PRINCIPLE.       Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf       ACCEPT.	Implement changes to Eq. 149-27 as shown on page 3 of DenBest	an 3ch 03a 0710	) ndf	Response			Response Status C			
Cl 149       SC 149.8.2.1       P168       L2       # 247         den Besten, Gerrit       NXP Semiconductors       MDI         Comment Type       TR       Comment Status       A         There is currently only one MDI return loss template for all speeds. I think we should differentiate requirements for different speeds will be overspecified. The easiest way to achieve this is by scaling all frequency values by S except for the 1MHz lower bound.       Cl 149       SC 149.11.3       P172       L6       # 29         SuggestedRemedy       Change:       NAN* and "EEE" appear in the Status column in 149.11.4.1, so they should be "*AN" and "EEE" (preceded by ***)       SuggestedRemedy         Change:       So00> 500S       So00 ->> 500S       Remove:       For 2.5GBASE-T1, sGBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 x S MHz.       Response       Response Status       C         Response       Response Status       C       ACCEPT IN PRINCIPLE.       Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf       So1 49.21.3       P172       L6       # 29				-						
C/ 149       SC 149.8.2.1       P168       L2       # 247         den Besten, Gerrit       NXP Semiconductors       MDI         Comment Type       TR       Comment Status A       MDI         There is currently only one MDI return loss template for all speeds. I think we should differentiate requirements for different speeds to allow losser spec for 2.5Gbps and 5Gbps. Otherwise these lower speeds will be overspecified. The easiest way to achieve this is by scaling all frequency values by S except for the 1MHz lower bound.       MDI         SuggestedRemedy       Change:       10 -> 10S       500 -> 500S       S000S       4000 -> Fmax         Remove:       For 2.5GBASE-T1, sGBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 x S MHz.       C       Response       Response Status       C         Response       Response Status       C       ACCEPT IN PRINCIPLE.       Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	149-47 to reflect the updated equation.									
Comment Type TR Comment Status A MDT There is currently only one MDI return loss template for all speeds. I think we should differentiate requirements for different speeds to allow looser spec for 2.5Gbps and 5Gbps. Otherwise these lower speeds will be overspecified. The easiest way to achieve this is by scaling all frequency values by S except for the 1MHz lower bound. SuggestedRemedy Change: 10> 10S 500> 500S 3000> 500S 3000> 500S 3000> Fmax Remove: For 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 × S MHz. Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	149 SC 149.8.2.1 P168 L2	# 247						becine setup a		alaie
There is currently only one MDI return loss template for all speeds. I think we should       Anslow, Pete       Ciena         There is currently only one MDI return loss template for all speeds. I think we should       differentiate requirements for different speeds to allow looser spec for 2.5Gbps and 5Gbps.       Otherwise these lower speeds will be overspecified. The easiest way to achieve this is by scaling all frequency values by S except for the 1MHz lower bound.       Anslow, Pete       Ciena         SuggestedRemedy       ************************************				C/ 149	SC	149.11.3	P <b>172</b>	L <b>6</b>	# 29	
There is currently only one MDI return loss template for all speeds. I think we should differentiate requirements for different speeds to allow looser spec for 2.5Gbps and 5Gbps. Otherwise these lower speeds will be overspecified. The easiest way to achieve this is by scaling all frequency values by S except for the 1MHz lower bound. SuggestedRemedy Change: 10> 10S 500> 500S 3000> 3000S 4000> Fmax Remove: For 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 x S MHz. Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	5,1		MDI	Anslow. Pe	ete		Ciena			
Otherwise these lower speeds will be overspecified. The easiest way to achieve this is by scaling all frequency values by S except for the 1MHz lower bound.       "AN" and "EEE" appear in the Status column in 149.11.4.1, so they should be "*AN" a "*EEE" (preceded by "*")         SuggestedRemedy       Change:       "AN" and "EEE" (preceded by "*")         10> 10S       SuggestedRemedy       Change "AN" and "EEE" to "*AN" and "*EEE"         3000> 500S       3000> 3000S       Change         4000> Fmax       Remove:       For 2.5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 x S MHz.       Change 3000> Sons       C         Response       Response Status       C         ACCEPT IN PRINCIPLE.       Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf       Songeston> 3002			Chao	Comment	Type	Е	Comment Status A			E
Change:       Change "AN" and "EEE" to "*AN" and "*EE"         10> 10S       Response         500> 500S       Response         3000> 3000S       ACCEPT.         4000> Fmax       ACCEPT.         Remove:       For 2.5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 × S MHz.       ACCEPT IN PRINCIPLE.         Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf       Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	Otherwise these lower speeds will be overspecified. The easiest wa	ay to achieve this i						11.4.1, so they	v should be "*Al	N" and
Change:       Change "AN" and "EEE" to "*AN" and "*EE"         10> 10S       Response       Response Status       C         3000> 3000S       ACCEPT.       ACCEPT.         4000> Fmax       ACCEPT.       ACCEPT.         Remove:       For 2.5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 x S MHz.       Kesponse       Response Status       C         Response       Response Status       C       ACCEPT IN PRINCIPLE.       Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf       For 2.903_0719.pdf       For 2.903_0719.pdf	ggestedRemedy			Suggested	Remed	ły				
500> 500S       Response       Response Status       C         3000> 500S       ACCEPT.         4000> Fmax       ACCEPT.         Remove:       For 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 × S MHz.       Response       Response Status       C         Response       Response Status       C         ACCEPT IN PRINCIPLE.       Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf				Chang	e "AN"	and "EEE'	' to "*AN" and "*EEE"			
S00> S00S       ACCEPT.         3000> Fmax       ACCEPT.         Remove:       For 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 × S MHz.         Response       Response Status         C       ACCEPT IN PRINCIPLE.         Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf				Response			Response Status <b>C</b>			
4000> Fmax Remove: For 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 × S MHz. Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf				, ACCE	PT.					
For 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, the maximum applicable frequency for the MDI return loss is 4000 × S MHz. Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf										
Response Response Status C ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	For 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, the maximum	applicable frequer	ncy for							
ACCEPT IN PRINCIPLE. Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	the MDI return loss is 4000 × S MHz.									
Implement changes to Eq. 149-27 as shown on page 3 of DenBesten_3ch_03a_0719.pdf	sponse Response Status C									
	ACCEPT IN PRINCIPLE.									
149-47 to reflect the updated equation.	with editorial license to format the equation correctly. In addition, u									

Pa **172** Li **6** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149	9.11.4.1	P <b>172</b>	L <b>28</b>	# 30		C/ 149 SC 149.11.4.2.2 P175 L10 # 1	40
Anslow, Pete		Ciena				Donahue, Curtis UNH-IOL	
Comment Type T	r Cor	nment Status A			ΕZ	Comment Type E Comment Status A	EZ
"Support" colum	n.	49.11.4.1 do not have			•	Shall statement missing associated PICS item SuggestedRemedy	
PICS	very other suc	oclause of the Clause	149 PICS and a	liso the Annex 149/	4	Insert new PICS entry after PCR2 of Draft 2.0, with the following content: Feature: Frame and block synchronization	
SuggestedRemedy						Subclause: 149.3.2.3.1	
PICS for items w "M" change the S	vith status of: Support entry		49 PICS and a	lso the Annex 149A	A	Value/Comment: Described in 149.3.2.3.1 Status: M Support: Yes[] N/A[]	
"O" change the S						Response Response Status C	
"Something:0" c	change the Su	pport entry to "Yes [] pport entry to "Yes []	N/A [ ]" No [ ] N/A [ ]"			ACCEPT.	
Response	•	ponse Status C				C/ 149 SC 149.11.4.2.2 P175 L17 # 1	41
ACCEPT.						Donahue, Curtis UNH-IOL	TI I
C/ 149 SC 149	9.11.4.2.1	P173	L <b>5</b>	# 139		Comment Type E Comment Status A	EZ
Donahue, Curtis		UNH-IOL				Incorrect subclause reference.	
Comment Type E		mment Status A			ΕZ	SuggestedRemedy	
Shall statement	missing assoc	ciated PICS item				Change '149.3.2.3.2' to '149.3.2.3.3'.	
SuggestedRemedy Insert new PICS Feature: PCS Re		PCT1 of Draft 2.0, with	the following o	content:		Response     Response Status     C       ACCEPT.     C	
Subclause: 149.3 Value/Comment	3.2.1	140 2 2 1				C/ 149 SC 149.11.4.2.7 P177 L16 # 1	42
Status: M	Described in	149.3.2.1				Donahue, Curtis UNH-IOL	
Support: Yes[] N	I/A[]					Comment Type E Comment Status A	EZ
Response	Res	ponse Status <b>C</b>				Туро.	
ACCEPT.						SuggestedRemedy	
C/ 149 SC 149	9.11.4.2.1	P174	L <b>3</b>	# 31		Capitalize the 'i' in 'ignore' in the Value/Comment field of PCSL4.	
	5.11.4.2.1		23	# 31		Response Response Status C	
Anslow, Pete	-	Ciena				ACCEPT.	
Comment Type E The entries in the		<i>mment Status</i> <b>A</b> column on page 174 w	rap across two	lines	EZ		
SuggestedRemedy widen the subcla	ause column s	o that the entries do n	ot wrap across	two lines.			
Response ACCEPT.	Resp	ponse Status C					
		editorial required GR/g					je 54 of 61 7/2019  7:45:5

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

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.11.4	. <b>2.8</b> <i>P</i> 177	L33	# 143		C/ 149 SC	C 149.11.4.	.4.3	P <b>184</b>	L <b>6</b>	# 205	
Donahue, Curtis	UNH-IOL				Dawe, Piers		Ν	lellanox			
Comment Type E	Comment Status A			ΕZ	Comment Type	TR	Comment St	atus A			PICS
Shall statement missir	ng associated PICS item						er electrical spec				
SuggestedRemedy					TES1 AC-c		e Value/Comme he MDI	nt Status Su	pport		
	before OAM2 of Draft 2.0, w	ith the following c	content:		SuggestedRem						
Feature: Partially trans Subclause: 149.3.9.2.					Means? Se	•	comment				
Value/Comment: Desc	cribed in 149.3.9.2.1				Response		Response Sta	atus W			
Status: M Support: Yes[] N/A[]					ACCEPT IN		•				
Response ACCEPT.	Response Status C				PICS Editor	to have ed	litorial license to	update to ma	atch draft.		
							to "Coupling"				
C/ 149 SC 149.11.4	.3.2 P178	L15	# 144		Change TE	S1 Value/C	comment to "Ope	erate with AC	coupling to the	MDI"	
Donahue, Curtis	UNH-IOL						to "Resistive dif				
						00 \/-		ببا مما سلم ما م		della stanna suddh a 40	20
Comment Type E Duplicate PICS entry.	Comment Status A			ΕZ						this clause with a 10 ad is not specified	00
Duplicate PICS entry.				ΕZ	(ohm) resis		tial load connec				
51				ΕZ	(ohm) resis	tive differen	tial load connec	ted to transm	itter output if lo	ad is not specified	
Duplicate PICS entry. SuggestedRemedy Remove PMAT1. Response				ΕZ	(ohm) resist Cl 149 SC Donahue, Curtis Comment Type	tive differen C 149.11.4. E	tial load connec 4.3 Comment St	ted to transm P <b>184</b> JNH-IOL	itter output if lo	ad is not specified	EZ
Duplicate PICS entry. SuggestedRemedy Remove PMAT1.				ΕZ	(ohm) resis C/ 149 S( Donahue, Curtis	tive differen C 149.11.4. E	tial load connec 4.3 Comment St	ted to transm P <b>184</b> JNH-IOL	itter output if lo	ad is not specified	
Duplicate PICS entry. SuggestedRemedy Remove PMAT1. Response ACCEPT.	Response Status C	L35	# 145	EZ	(ohm) resist Cl 149 SC Donahue, Curtis Comment Type Update sub SuggestedRem	tive differen C 149.11.4. E Clause refe edy	4.3 Comment St	ted to transm P184 JNH-IOL atus A	itter output if lo	ad is not specified # <u>146</u>	EZ
Duplicate PICS entry. SuggestedRemedy Remove PMAT1. Response ACCEPT. Cl 149 SC 149.11.4	Response Status C	L35	# 145	EZ	(ohm) resist Cl 149 SC Donahue, Curtis Comment Type Update sub SuggestedRem Change the	E Clause refe edy subclause	tial load connect 4.3 <i>Comment St</i> rence reference in the	P184 P184 JNH-IOL atus A Subclause c	itter output if lo	ad is not specified	EZ
Duplicate PICS entry. SuggestedRemedy Remove PMAT1. Response ACCEPT. Cl 149 SC 149.11.4 Donahue, Curtis	Response Status C	L35	# 145	EZ	(ohm) resis <i>Cl</i> <b>149</b> <i>St</i> Donahue, Curtis <i>Comment Type</i> Update sub <i>SuggestedRem</i> Change the for TES12,	E Clause refe edy subclause	tial load connect 4.3 Comment St rence reference in the S14, and TES15	P184 P184 JNH-IOL atus A Subclause c	itter output if lo	ad is not specified # <u>146</u>	EZ
Duplicate PICS entry. SuggestedRemedy Remove PMAT1. Response ACCEPT. Cl 149 SC 149.11.4 Donahue, Curtis	Response Status C I.3.10 P182 UNH-IOL	L35	# <u>145</u>		(ohm) resist Cl 149 SC Donahue, Curtis Comment Type Update sub SuggestedRem Change the	E Clause refe edy subclause	tial load connect 4.3 <i>Comment St</i> rence reference in the	P184 P184 JNH-IOL atus A Subclause c	itter output if lo	ad is not specified # <u>146</u>	EZ
Duplicate PICS entry. SuggestedRemedy Remove PMAT1. Response ACCEPT. C/ 149 SC 149.11.4 Donahue, Curtis Comment Type E Typo.	Response Status C .3.10 P182 UNH-IOL Comment Status A	L35	# 145		(ohm) resiss Cl 149 SC Donahue, Curtis Comment Type Update sub SuggestedRem Change the for TES12, Response	E Clause refe edy subclause	tial load connect 4.3 Comment St rence reference in the S14, and TES15	P184 P184 JNH-IOL atus A Subclause c	itter output if lo	ad is not specified # <u>146</u>	EZ
Duplicate PICS entry. SuggestedRemedy Remove PMAT1. Response ACCEPT. CI 149 SC 149.11.4 Donahue, Curtis Comment Type E Typo. SuggestedRemedy	Response Status C .3.10 P182 UNH-IOL Comment Status A	L35	# <u>145</u>		(ohm) resiss Cl 149 SC Donahue, Curtis Comment Type Update sub SuggestedRem Change the for TES12, Response	E Clause refe edy subclause	tial load connect 4.3 Comment St rence reference in the S14, and TES15	P184 P184 JNH-IOL atus A Subclause c	itter output if lo	ad is not specified # <u>146</u>	EZ

Pa **184** Li **35** 

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.11.4	4.4.3 <i>P</i> 185	L <b>1</b>	# <u>1</u> 48		C/ 149 SC 149.11.4	l.5 <i>P</i> 186	L18	# <u>1</u> 50
onahue, Curtis	UNH-IOL				Donahue, Curtis	UNH-IOL		
Comment Type E Shall statement missi	Comment Status A ng associated PICS item			<i>EZ</i> 2	Comment Type E Typo.	Comment Status A		EZ
SuggestedRemedy					SuggestedRemedy			
Insert new PICS entry	/ after TSE15 of Draft 2.0, with	n the following c	ontent:			oss' to '2.5GBASE-T1 return lo	oss'	
Feature: EOJpk-pk Ji Subclause: 149.5.2.3					Response	Response Status C		
Value/Comment: Less					ACCEPT.			
Status: M					0.440 00.440.44	D400	/ 20	# 454
Support: Yes[] N/A[]					C/ 149 SC 149.11.4		L <b>20</b>	# 151
Response ACCEPT.	Response Status C				Donahue, Curtis	UNH-IOL		
ACCEPT.					Comment Type E	Comment Status A		EZ
C/ 149 SC 149.11.4	4.4.3 P185	L1	# 147		Туро			
Donahue, Curtis	UNH-IOL				SuggestedRemedy	s' to '5GBASE-T1 return loss'		
Comment Type E	Comment Status A			EZ	-			
					Response	Response Status <b>C</b>		
Shall statement missi	ng associated PICS item				1			
	ng associated PICS item				ACCEPT.			
SuggestedRemedy Insert new PICS entry	/ after TSE15 of Draft 2.0, with	n the following c	ontent:		1		L <b>22</b>	# 152
SuggestedRemedy	/ after TSE15 of Draft 2.0, with er	n the following c	ontent:		ACCEPT.		L <b>22</b>	# 152
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less	/ after TSE15 of Draft 2.0, with er .2	n the following c	ontent:		ACCEPT.	.5 <i>P</i> 186	L <b>22</b>	# [ <u>152</u>
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M	/ after TSE15 of Draft 2.0, with er .2	n the following c	ontent:		ACCEPT. C/ 149 SC 149.11.4 Donahue, Curtis	.5 <i>P</i> 186 UNH-IOL	L <b>22</b>	
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[]	/ after TSE15 of Draft 2.0, with er .2 s than 9/S ps	n the following c	ontent:		ACCEPT. C/ 149 SC 149.11.4 Donahue, Curtis Comment Type E	.5 <i>P</i> 186 UNH-IOL	L <b>22</b>	
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[]	/ after TSE15 of Draft 2.0, with er .2	n the following c	ontent:		ACCEPT. <i>Cl</i> <b>149</b> <i>SC</i> <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i>	.5 <i>P</i> 186 UNH-IOL		
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[] Response ACCEPT.	/ after TSE15 of Draft 2.0, with er .2 s than 9/S ps <i>Response Status</i> <b>C</b>				ACCEPT. <i>Cl</i> <b>149</b> <i>SC</i> <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i>	.5 P186 UNH-IOL Comment Status A		
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[] Response	y after TSE15 of Draft 2.0, with er .2 s than 9/S ps <i>Response Status</i> <b>C</b> 4.4.3 <i>P</i> 185	n the following ca	ontent: # <u>149</u>		ACCEPT. <i>CI</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i> Change '10G return lo	S.5 P186 UNH-IOL Comment Status A		
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[] Response ACCEPT. C/ 149 SC 149.11.4 Donahue, Curtis	v after TSE15 of Draft 2.0, with er .2 s than 9/S ps <i>Response Status</i> <b>C</b> 4.4.3 <i>P</i> 185 UNH-IOL				ACCEPT. <i>Cl</i> <b>149</b> <i>SC</i> <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i> Change '10G return log <i>Response</i>	S.5 P186 UNH-IOL Comment Status A Pss' to '10GBASE-T1 return los Response Status C		EZ
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[] Response ACCEPT. C/ 149 SC 149.11.4 Donahue, Curtis Comment Type E	y after TSE15 of Draft 2.0, with er .2 s than 9/S ps <i>Response Status</i> <b>C</b> <b>4.4.3</b> <i>P</i> <b>185</b> UNH-IOL <i>Comment Status</i> <b>D</b>			PSD	ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i> Change '10G return lo <i>Response</i> ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b>	5 P186 UNH-IOL Comment Status A sss' to '10GBASE-T1 return los Response Status C 5.5 P186	ss'	EZ
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[] Response ACCEPT. C/ 149 SC 149.11.4 Donahue, Curtis Comment Type E Incorrect dBm values	y after TSE15 of Draft 2.0, with er .2 s than 9/S ps <i>Response Status</i> <b>C</b> <b>4.4.3</b> <i>P</i> <b>185</b> UNH-IOL <i>Comment Status</i> <b>D</b>			PSD	ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i> Change '10G return lo <i>Response</i> ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis	5 P186 UNH-IOL Comment Status A UNH-IOL UNH-IOL	ss'	EZ
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[] Response ACCEPT. Cl 149 SC 149.11.4 Donahue, Curtis Comment Type E Incorrect dBm values SuggestedRemedy	y after TSE15 of Draft 2.0, with er .2 s than 9/S ps <i>Response Status</i> <b>C</b> <b>4.4.3</b> <i>P</i> 185 UNH-IOL <i>Comment Status</i> <b>D</b> in TSE16.	L3		PSD	ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i> Change '10G return lo <i>Response</i> ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b>	5 P186 UNH-IOL Comment Status A sss' to '10GBASE-T1 return los Response Status C 5.5 P186	ss'	# [ <u>153</u>
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[] Response ACCEPT. CI 149 SC 149.11.4 Donahue, Curtis Comment Type E Incorrect dBm values SuggestedRemedy Change '-1 dBm' to '-	y after TSE15 of Draft 2.0, with er .2 s than 9/S ps <i>Response Status</i> <b>C</b> <b>4.4.3</b> <i>P</i> <b>185</b> UNH-IOL <i>Comment Status</i> <b>D</b> in TSE16. 1.5 dBm', and change '2 dBm'	L3		PSD	ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i> Change '10G return lo <i>Response</i> ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo.	5 P186 UNH-IOL Comment Status A UNH-IOL UNH-IOL	ss'	# [ <u>153</u>
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[] Response ACCEPT. C/ 149 SC 149.11.4 Donahue, Curtis Comment Type E Incorrect dBm values SuggestedRemedy Change '-1 dBm' to '- Proposed Response	y after TSE15 of Draft 2.0, with er .2 s than 9/S ps <i>Response Status</i> <b>C</b> <b>4.4.3</b> <i>P</i> 185 UNH-IOL <i>Comment Status</i> <b>D</b> in TSE16.	L3		PSD	ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i> Change '10G return lo <i>Response</i> ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i>	5 P186 UNH-IOL Comment Status A UNH-IOL UNH-IOL	ss'	# [ <u>153</u>
SuggestedRemedy Insert new PICS entry Feature: DJpk-pk Jitte Subclause: 149.5.2.3 Value/Comment: Less Status: M Support: Yes[] N/A[] Response ACCEPT. C/ 149 SC 149.11.4 Donahue, Curtis Comment Type E Incorrect dBm values SuggestedRemedy	y after TSE15 of Draft 2.0, with er .2 s than 9/S ps <i>Response Status</i> <b>C</b> <b>4.4.3</b> <i>P</i> <b>185</b> UNH-IOL <i>Comment Status</i> <b>D</b> in TSE16. 1.5 dBm', and change '2 dBm'	L3		PSD	ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i> Change '10G return lo <i>Response</i> ACCEPT. <i>Cl</i> <b>149</b> SC <b>149.11.4</b> Donahue, Curtis <i>Comment Type</i> <b>E</b> Typo. <i>SuggestedRemedy</i>	<ul> <li>P186 UNH-IOL Comment Status A</li> <li>P186 UNGBASE-T1 return loss Response Status C</li> <li>P186 UNH-IOL Comment Status A</li> </ul>	ss'	# [ <u>153</u>

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalPa 186COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnLiSORT ORDER: Page, Line

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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149 SC 149.11.4.5 P186	L <b>29</b>	# <u>1</u> 55		C/ 149A SC	149A.1	P189	L12	# 206
onahue, Curtis UNH-IOL				Dawe, Piers		Mellanox		
Comment Type E Comment Status A			EZ	Comment Type	TR	Comment Status A		149
Shall statement missing associated PICS item						he test methodologies that sh	nall be used to	measure": not a test
SuggestedRemedy				spec, no requ		) measure.		
Insert new PICS entry after LSC6 of Draft 2.0, wi	th the following con	ntent:		SuggestedRemed	•			
Feature: PSAACR-F Subclause: 149.7.2.2				Change to "m	ay be use	:d".		
Value/Comment: See Equation (149-26)				Response		Response Status W		
Status: M				ACCEPT IN F	PRINCIPL	E.		
Support: Yes[] N/A[]				Change: This	s annex de	escribes the test methodologi	es that shall be	e used to measure
Response Response Status C				-		-		
ACCEPT.				To: This anne	ex describ	es the test methodologies us	ed to measure	
C/ 149 SC 149.11.4.5 P186	L <b>29</b>	# 154		C/ 149 SC	149.A.2	P <b>189</b>	L <b>18</b>	# 130
Donahue. Curtis UNH-IOL				Shariff, Masood		CommScope		-
				0	TR	Comment Status A		F
			ΕZ	Comment Type	IK	Common Clattic A		
			EZ	Incorrect state	ement. Ali	en Crosstalk defines coupling		urbed and disturber link
Comment Type E Comment Status A Shall statement missing associated PICS item			EZ	Incorrect state segments and	ement. Ali d cannot b	en Crosstalk defines coupling e measured using coupling a	ttenuation test	urbed and disturber link fixtures. Figure 149-41
Comment Type E Comment Status A Shall statement missing associated PICS item SuggestedRemedy	th the following con	ntent.	EZ	Incorrect state segments and in Clause 149	ement. Ali d cannot b ).7.2 show	en Crosstalk defines coupling e measured using coupling a s an illustration for alien cross	ttenuation test s talk measure	urbed and disturber link fixtures. Figure 149-41 ments and also refers to
Comment Type E Comment Status A Shall statement missing associated PICS item	th the following con	ntent:	EZ	Incorrect state segments and in Clause 149 Clause 97B fo	ement. Ali d cannot b ).7.2 show or addition	en Crosstalk defines coupling e measured using coupling a	ttenuation test s talk measure	urbed and disturber link fixtures. Figure 149-41 ments and also refers to
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C/ 149A SC 149A	A.2 P189	L <b>26</b>	# 207	C/ 149A SC 149	9 <b>A.</b> 3 F	<sup>&gt;</sup> 189	L <b>31</b>	# <u>7</u> 6	
Dawe, Piers	Mellanox			Wienckowski, Natalie	e Ge	neral Motors			
Comment Type TR	Comment Status R		149A	Comment Type E	Comment State	us A			ΕZ
	ec. Products have to work ove	r a much wider ra	nge than this - how that	unnecessary con	mma				
	e the implementer.			SuggestedRemedy					
SuggestedRemedy					ied representation of the				
Delete "Measurem	tents to be performed at $23 \pm 5$	°C and relative hu	umidity of 25% to 75%."	To: simplified re	epresentation of the comp	onents that are	used		
Response	Response Status W			Response	Response Statu	is C			
REJECT.				ACCEPT.					
	does not use a standardized ca		efines the link segment	C/ 149A SC 149	9 <b>A.</b> 3 F	<sup>&gt;</sup> 189	L <b>32</b>	# 132	1
characteristics and	d testing methodologies for the	link segment.		Shariff, Masood	Сог	mmScope			
	t products need to work over a ned condition to ensure compar	•			ER Comment State ambiguous statement	us <b>A</b>			EZ
C/ 149A SC 149A	A.2 P189	L <b>26</b>	# 75	SuggestedRemedy					
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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: Page, Line

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C/ 149A SC 149A.	5 P192	L <b>2</b>	# 32	C/ 149B SC 149B	P <b>196</b>	L <b>4</b>	# 199
Anslow, Pete	Ciena			Dawe, Piers	Mellanox		
Comment Type E	Comment Status A		I		Comment Status A		OAM
The annex title is qu annex title.	oted in four places in the PICS a	and each shoul	d match the actual	An informative annex with	state diagrams - that's cra	azy!	
SuggestedRemedy				SuggestedRemedy			
	, the first sentence of 149A.5.1,	the top row of t	the table in 149A.5.2.2,	Remove the state diagram presumably)	is or change the annex's s	status to normati	ve (but optional,
"Coupling attenuatio	on test methodology" to: ening attenuation test methodolog	ду"		Response I ACCEPT IN PRINCIPLE.	Response Status W		
Response ACCEPT.	Response Status C			Add a new first subclause	(149B.1) with all others re	enumbered after.	
C/ 149A SC 149A.	5.4 <i>P</i> 194	L <b>4</b>	# 1	149B.1 Purpose			
			#	This annex describes a su			
lajduczenia, Marek Comment Type E	Charter Comm Comment Status A	nunications		Clause 149 MultiGBASE-1 and bit assignments in the			
51	ure seems to be a few points lar	ger than the otl	-	to enable consistent use o behaviors described by the	f the OAM channel. Use	of these specific	assignments and the
uggestedRemedy Please align the for	t size			C/ 149B SC 149B.1	P196	L12	# 181
Response	Response Status <b>C</b>			Baggett, Tim	Microchip Comment Status A		EZ
ACCEPT.				Comment Type E Mispelling: "MutliGBase-T Occurs also on line 46			EZ
C/ 149A SC 149A.	5.4 P195	L <b>1</b>	# 33	SuggestedRemedy			
Anslow, Pete	Ciena			Search document for "Mut	liGBASE" anre replace wi	th "MultiGBASE	"
•	Comment Status A ublished by IEEE (and the 802.3 pages, so there should be no bl	• •		Response H ACCEPT.	Response Status C		
SuggestedRemedy				C/ 149B SC 149B.1	P <b>196</b>	L17	# 283
Remove the blank p	ages between clauses			Souvignier, Tom	Broadcom		
Response ACCEPT.	Response Status <b>C</b>			0	Comment Status A		EZ
				SuggestedRemedy Change from "is loaded To ""is loaded to 3.2318			,
					Response Status C		

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn Li 17 7/17/2019 7:45:56 AM SORT ORDER: Page, Line

Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

C/ 149B SC 149B.1	P <b>196</b>	L18	# <u>2</u> 84		C/ 149B	SC 149B.3.2.	1 P199	L1	# 274	
Souvignier, Tom	Broadcom				Tu, Mike		Broadcom			
Comment Type ER	Comment Status A			ΕZ	Comment 7	Гуре Т	Comment Status A			OAN
There is a typo on line	18.						t_rec_clear" does not matc	h to any register	bits in Table 149-9	. It
SuggestedRemedy						•	te of the "tx_clear_rec".			
Change from "is read To "is read from 3.23	I from 3.2320 and 3.23.21"				Suggestedl	<i>Remeay</i> e to delete line 1	to 5			
Response	Response Status C				Response		Response Status <b>C</b>			
ACCEPT.	Response Status C				ACCEF	РТ.	Response Status C			
C/ 149B SC 149B.2.7	P197	L <b>49</b>	# 182		C/ 149B	SC 149B.3.2.	1 P199	L <b>7</b>	# <u>2</u> 71	
Baggett, Tim	Microchip				Tu, Mike		Broadcom			
Comment Type E	Comment Status A			ΕZ	Comment 7		Comment Status A			OAN
REC hasn't been define parenthesis.	ed yet before this section, and	would benefit	from being defined	in	Variabl	e name should b	e consistent with Table 149	9-9 PCS control/	status variable nam	ie
SuggestedRemedy					Suggestedl	•				
Change:					Change	e variable name	from "rx_clear_rec" to "mr_	tx_clear_rec".		
"REC in OAM<13:12><	7:0>"				Response		Response Status C			
To: "REC (Receive Error C	ounter) in OAM<13:12><7:0>"				ACCEF	PT IN PRINCIPLI				
					Change	e variable name	from "rx_clear_rec" to "mr_	rx_clear_rec".		
Or: add a line referring	the reader to section 149B.2.9	9			C/ 149B	SC 149B.3.2.	1 <i>P</i> 199	L13	# 272	
Also on Page 198, Line	4				Tu, Mike	00 1430.3.2.	Broadcom	213	" 212	
Response	Response Status C				Comment 7	Tvpe <b>T</b>	Comment Status A			OAM
ACCEPT.						51	e consistent with Table 14	9-9 PCS control/s	status variable nam	
C/ 149B SC 149B.2.9	P198	L13	# 203		Suggested	Remedy				
Dawe, Piers	Mellanox				Change	e variable name	rom "tx_clear_rec" to "mr_	tx_clear_rec".		
Comment Type T	Comment Status R			OAM	Response		Response Status C			
How is the error count I	oaded into these two bytes?				ACCEF	РТ.				
SuggestedRemedy										
Which is most significa	nt byte and bit?									
Response	Response Status C									
REJECT.										
	ngement of the bits in these by ISB are in 3.2319.15:8, the 8									

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: Page, Line

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Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet Initial W

	SC 149B.3.2.	1 P199	L <b>21</b>	# 273	C/ 149B	SC 149B.3.2.3	P <b>200</b>	L <b>3</b>	# 275
Tu, Mike	_	Broadcom			Tu, Mike		Broadcom		_
Comment Variab		Comment Status A e consistent with Table 149-	9 PCS control/s	<i>OAM</i> tatus variable name	0	re 149B-2, the variable v	<i>iment Status</i> <b>A</b> values and variable n	ames should be	O consistent with
S <i>uggested</i> Chang	2	rom "tx_rec" to "mr_tx_rec".			definiti Suggested				
Response		Response Status <b>C</b>			See pa	ge 4 of "tu_3ch_04_071	9.pdf".		
ACCE	PT.				Response ACCEI	Resp PT IN PRINCIPLE.	onse Status C		
C/ 149B	SC 149B.3.2.	3 P199	L <b>26</b>	# 2	Implom	ent changes marked in	rod on page 4 of tu 5	Reb 04 0710 pc	44
lajduczeni	a, Marek	Charter Comn	nunications		Implen	ient changes marked in	red on page 4 or tu_c	5ch_04_0719.pt	
Comment	Type <b>TR</b>	Comment Status A		OAM	C/ 149B	SC 149B.3.2.3	P <b>200</b>	L <b>38</b>	# 276
		an informative annex would OAM functions needed for t			Tu, Mike <i>Comment</i> 3	Type <b>T</b> Com	Broadcom Iment Status A		0
Suggested Seems	•	ught to be normative			In Figu definition	re 149B-3, the variable vons.	values and variable n	ames should be	consistent with
Response		Response Status <b>C</b>			Suggested	Remedy			
ACCE	PT IN PRINCIPLI	≣.			See pa	ge 5 of "tu_3ch_04_071	9.pdf".		
Add a	new first subclau	se (149B.1) with all others re	enumbered after		Response ACCEI	Resp PT IN PRINCIPLE.	onse Status C		
149B.1	Purpose				Implen	ent changes on page 5	of tu_3ch_04_0719.p	odf.	
Clause and bit to enal	e 149 MultiGBASI assignments in to ble consistent use	suggested assignment of the E-T1 PHYs. Suggested bit the he OAM frame are detailed it of the OAM channel. Use of the state diagrams is implent	behaviors, show in this annex for of these specific	n in state diagrams, informative purposes assignments and the					
C/ 149B	SC 149B.3.2.	3 P199	L <b>26</b>	# 183					
Baggett, Ti	m	Microchip							
	51	Comment Status A 3.2.3 State Diagrams" is orp	haned from the	<i>EZ</i> diagrams it contains.					
Suggested	neading "149B.3.	2.3 State Diagrams" to top of	f page 200 with	diagrams 149B-2 and					
Move I 149B-3									

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: Page, Line

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