P802.3ch D2.0

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

			- •••	# 190	0/ 149	143.3		1 150	L 19	# 208			
Dawe, Piers		Mellanox			Dawe, Piers			Mellanox					
Comment Type TR Comment Status R Registers				Comment Typ	e TR		Comment Status A		Test Modes				
This regi to an a means (i errors? vague is probably	ister should cor accuracy of 0.5 is the PHY supp or) nor is "the not appropriate / difficult and un	tain "the current SNR opera dB", yet there is no indicatio posed to measure the noise slicer input" defined. Trying a. Anyway, providing that ac necessary.	ting margin meas on of what "SNR of the signal!? or to set an accura curacy at the ext	sured at the slicer input operating margin" infer it from FEC acy on something so tremes of the range is	"1.2.6 Accuracy and resolution of numerical quantities Unless otherwise stated, numerical limits in this standard are to be taken as exact, with the number of significant digits and trailing zeros having no significance." Stating otherwise makes life more complicated, and an attempt to enforce test equipment spec is out of scope. Implementers and testers can sort out their measurement accuracy for themselves.								
SuggestedR	emedy	,			Suggesteakemeay								
Delete "t	to an accuracy	of 0.5 dB"		Delete "I he tolerance of resistors shall be +/- 0.1%."									
Pesponse		Beenenee Statue II			Response			Response Status U					
DE IECT	Response Response Status U				ACCEPT IN PRINCIPLE.								
REJECT		P156 L19											
This was the accu	s discussed dur ıracy, which ma	ng a previous meeting and t tches MultiGBASE-T PHY's.	he decision of th	e group was to keep	Delete: The tolerance of resistors shall be +/- 0.1%.								
C/ 149	SC 149.5.1	P 155	L 41	# 200	D157   35								
Dawe. Piers	awe. Piers Mellanox						Add to end of current paragraph: Transmitter electrical tests are specified with a load						
Comment Tv	tolerance	of ± 0.1%											
It's disappointing to see these very artificial test patterns from Clause 94 being brought back when we have moved on to better methods for PAM4 testing in Annex 120D and						SC 149A.	2	P 189	L 26	# 207			
								Mellanox					
subsequ		Comment Typ	e TR		Comment Status R		149A						
SuggestedRe	emedy				This isn't	a test spe	c. Pr	oducts have to work over a r	nuch wider ran	ge than this - how that			
Define jitter and linearity with PRBS13Q, following 120D.3.1.8 Output jitter and 120D.3.1.2						is assured is up the the implementer.							
Transmit	SuggestedRemedy												
Response		Delete "Measurements to be performed at $23 \pm 5^{\circ}$ C and relative humidity of 25% to 75%."											
ACCEPT	Response			Response Status U									
In the ca	ase of a bidirect	onal PHY with echo cancella	ation, the JP03A	and JP03B signals are	REJECT.								
sufficient other jitte	It to check for ever er found by the	ven/odd jitter. The echo can PRBS13Q sequence.	r requirements for	This specification does not use a standardized cable. Instead, it defines the link segment characteristics and testing methodologies for the link segment.									
Commer transmitt	nts 39, 40, 41, 1 ter linearity and	17, 119, 120, 121, and 200 jitter test modes.	xt related to the	While it is true that products need to work over a much wider range, testing needs to be done under a defined condition to ensure comparable results in different labs.									
Modify th	he text as define	ed in wienckowski_3ch_02e_	_0719.pdf.										

C/ 149A SC 149A.2

## P802.3ch D2.0

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

C/ 149B	SC 149B	P 19	96	L <b>4</b>	# 199					
Dawe, Pier	S	Mella	nox							
Comment 7 An info	<i>Type</i> <b>TR</b> rmative annex v	Comment Status with state diagrams - t	A hat's crazy!		OAM					
Suggestedl Remov presum	R <i>emedy</i> re the state diag nably)	rams or change the a	nnex's status	to norma	ative (but optional,					
Response ACCEF	PT IN PRINCIPI	<i>Response Status</i> .E.	U							
Add a r	Add a new first subclause (149B.1) with all others renumbered after.									
149B.1	Purpose									
This on	nov dogorihog	a suggested assignme	ont of the OAI	Actatuc	hite for use with the					

This annex describes a suggested assignment of the OAM status bits for use with the Clause 149 MultiGBASE-T1 PHYs. Suggested bit behaviors, shown in state diagrams, and bit assignments in the OAM frame are detailed in this annex for informative purposes to enable consistent use of the OAM channel. Use of these specific assignments and the behaviors described by the state diagrams is implementation dependent.

C/ 149B SC 149B