C/ 00 SC 0	P <b>0</b>	L <b>0</b>	# r01-5	C/ 01 SC 1.4.	390	P <b>20</b>	L <b>50</b>	# r01-7
Turner, Michelle				Law, David		Hewlett-Pack	kard Ltd	
Comment Type E	Comment Status X			Comment Type E	Comme	ent Status X		
This draft meets all e	editorial requirements.							eems to be incorrect
SuggestedRemedy Proposed Response	Response Status <b>0</b>			state diagram' an cases the SSD is definition states '.	d 96.3.3.3.5 'Ger described in terr the SSD consis	neration of ternary ms of symbols rat sts of three code-	y pair (TAn, TBn)' ther than code-gro -groups'. A bett	oups, and I note the ter subclause therefore
				may be 96.3.3.2. SuggestedRemedy	l 'Variables' as it	defines the three	e SSD code-group	DS.
C/ 01 SC 1.4.193	3 P 20	L 10	# r01-6	Suggest 96.3.2.4	.5 should read ei	ither 96.3.3.2, 96.	.3.3.3.5 or 96.3.3.	2.1.
_aw, David	Hewlett-Pa	ackard Ltd		Proposed Response	Respons	se Status <b>O</b>		
Comment Type E	Comment Status X							
	to subclause 96.3.2.4.5 in reause 96.3.2.4.5 reference			C/ 01 SC 1.4.	392a	P 21	L 39	# r01-4
	96.3.3.3.5 'Generation of tern			Healey, Adam		Avago Techr	nologies	
						-	•	
	escribed in terms of symbols			Comment Type F	Comme	ent Status X		
definition states ' th may be 96.3.3.2.1 'V	he SSD consists of three coc /ariables' as it defines the thr	de-groups'. A bett	ter subclause therefore	Comment Type E SYMB_1D is a pa Definitions subcla	arameter of a ser	ent Status X vice interface prir	mitive and it does	not belong in the
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy	he SSD consists of three coo /ariables' as it defines the thr	de-groups'. A bett ee ESD code-group	ter subclause therefore	SYMB_1D is a pa Definitions subcla	arameter of a ser		mitive and it does	not belong in the
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy Suggest 96.3.2.4.5 s	the SSD consists of three coordinates of three coordinates of the the three coordinates of the t	de-groups'. A bett ee ESD code-group	ter subclause therefore	SYMB_1D is a pa	arameter of a ser ause.		mitive and it does	not belong in the
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy Suggest 96.3.2.4.5 s	he SSD consists of three coo /ariables' as it defines the thr	de-groups'. A bett ee ESD code-group	ter subclause therefore	SYMB_1D is a pa Definitions subcla SuggestedRemedy	arameter of a ser ause. ID definition.		mitive and it does	not belong in the
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy Suggest 96.3.2.4.5 s Proposed Response	the SSD consists of three coo /ariables' as it defines the thr should read either 96.3.3.2 o <i>Response Status</i> <b>O</b>	de-groups'. A bett ee ESD code-group	ter subclause therefore	SYMB_1D is a pa Definitions subcla SuggestedRemedy Remove SYMB_1 Proposed Response	arameter of a ser ause. ID definition. <i>Respons</i>	vice interface prin	mitive and it does	
definition states ' th may be 96.3.3.2.1 'V uggestedRemedy Suggest 96.3.2.4.5 s roposed Response	the SSD consists of three coo /ariables' as it defines the thr should read either 96.3.3.2 o <i>Response Status</i> <b>O</b>	de-groups'. A bett ree ESD code-group r 96.3.3.2.1. <i>L</i> <b>46</b>	ter subclause therefore	SYMB_1D is a pa Definitions subcla SuggestedRemedy Remove SYMB_1 Proposed Response	arameter of a ser ause. ID definition. <i>Respons</i>	vice interface printerface printer se Status <b>0</b>	L 8	not belong in the # <u>r01-1</u>
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy Suggest 96.3.2.4.5 s Proposed Response C/ 01 SC 1.4.390 aw, David	the SSD consists of three coc /ariables' as it defines the thr should read either 96.3.3.2 o <i>Response Status</i> <b>O</b> <b>0</b> <i>P</i> <b>20</b>	de-groups'. A bett ree ESD code-group r 96.3.3.2.1. <i>L</i> <b>46</b>	ter subclause therefore	SYMB_1D is a pa Definitions subcla SuggestedRemedy Remove SYMB_1 Proposed Response	arameter of a ser ause. ID definition. <i>Respons</i>	vice interface prin	L 8	
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy Suggest 96.3.2.4.5 s Proposed Response Cl 01 SC 1.4.390 aw, David Comment Type ER	the SSD consists of three coc /ariables' as it defines the thr should read either 96.3.3.2 o <i>Response Status</i> <b>O</b> <b>0</b> <i>P</i> <b>20</b> Hewlett-Pa	de-groups'. A bett ree ESD code-group r 96.3.3.2.1. <i>L</i> 46 ackard Ltd	ter subclause therefore os. # <u>r01-8</u>	SYMB_1D is a pa Definitions subcla SuggestedRemedy Remove SYMB_1 Proposed Response Cl 01 SC 1.4. Healey, Adam Comment Type E	arameter of a ser ause. ID definition. <i>Respons</i> <b>394</b> <i>Comme</i>	vice interface prin se Status <b>O</b> P 21 Avago Techn ent Status <b>X</b>	L 8 nologies	# [ <u>r01-1</u>
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy Suggest 96.3.2.4.5 s Proposed Response Cr 01 SC 1.4.390 aw, David Comment Type ER The base text does r	the SSD consists of three coc /ariables' as it defines the thr should read either 96.3.3.2 of <i>Response Status</i> <b>O</b> <b>0</b> <i>P</i> <b>20</b> Hewlett-Pa <i>Comment Status</i> <b>X</b>	de-groups'. A bett ree ESD code-group r 96.3.3.2.1. <i>L</i> 46 ackard Ltd rd 802.3-2012 or IER	ter subclause therefore os. # <u>r01-8</u> EE 802.3bx, for some	SYMB_1D is a pa Definitions subcla SuggestedRemedy Remove SYMB_1 Proposed Response C/ 01 SC 1.4. Healey, Adam	arameter of a ser ause. ID definition. <i>Respons</i> <b>394</b> <i>Comme</i>	vice interface prin se Status <b>O</b> P 21 Avago Techn ent Status <b>X</b>	L 8 nologies	# [ <u>r01-1</u>
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy Suggest 96.3.2.4.5 s Proposed Response Cl 01 SC 1.4.390 aw, David Comment Type ER The base text does r reason 'sosb' has be	the SSD consists of three coc /ariables' as it defines the thr should read either 96.3.3.2 o <i>Response Status</i> <b>O</b> <b>0</b> <i>P</i> <b>20</b> Hewlett-Pa <i>Comment Status</i> <b>X</b> not match the text in IEEE St	de-groups'. A bett ree ESD code-group r 96.3.3.2.1. <i>L</i> 46 ackard Ltd rd 802.3-2012 or IER	ter subclause therefore os. # <u>r01-8</u> EE 802.3bx, for some	SYMB_1D is a pa Definitions subcla SuggestedRemedy Remove SYMB_1 Proposed Response Cl 01 SC 1.4. Healey, Adam Comment Type E	arameter of a ser ause. ID definition. <i>Respons</i> <b>394</b> <i>Comme</i>	vice interface prin se Status <b>O</b> P 21 Avago Techn ent Status <b>X</b>	L 8 nologies	# [ <u>r01-1</u>
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy Suggest 96.3.2.4.5 s Proposed Response C/ 01 SC 1.4.390 .aw, David Comment Type ER The base text does r reason 'sosb' has be SuggestedRemedy Restore the base tex	the SSD consists of three coc /ariables' as it defines the thr should read either 96.3.3.2 o <i>Response Status</i> <b>O</b> <b>0</b> <i>P</i> <b>20</b> Hewlett-Pa <i>Comment Status</i> <b>X</b> not match the text in IEEE St	de-groups'. A bett ree ESD code-group r 96.3.3.2.1. <i>L</i> 46 ackard Ltd ackard Ltd s in relation to 100B 02.3-2012 or IEEE	# <u>r01-8</u> EE 802.3bx, for some BASE-T4. 802.3bx, change the	SYMB_1D is a pa Definitions subcla SuggestedRemedy Remove SYMB_1 Proposed Response C/ 01 SC 1.4. Healey, Adam Comment Type E In IEEE P802.3/D SuggestedRemedy Change the base amended text to b	arameter of a ser ause. ID definition. <i>Respons</i> <b>394</b> 03.1, "eight nanos text to align with	vice interface prin se Status <b>O</b> P <b>21</b> Avago Techr ent Status <b>X</b> seconds" has bee n the current draft	L 8 nologies en changed to "8 i c of the IEEE 802.3	# <u>r01-1</u> ns". 3 revision. Change the
definition states ' th may be 96.3.3.2.1 'V SuggestedRemedy Suggest 96.3.2.4.5 s Proposed Response C/ 01 SC 1.4.390 Law, David Comment Type ER The base text does r reason 'sosb' has be SuggestedRemedy Restore the base tex	the SSD consists of three coo /ariables' as it defines the thr should read either 96.3.3.2 of <i>Response Status</i> <b>O</b> <b>0</b> <i>P</i> <b>20</b> Hewlett-Pa <i>Comment Status</i> <b>X</b> not match the text in IEEE St een deleted from code-group xt to that found in IEEE Std 8	de-groups'. A bett ree ESD code-group r 96.3.3.2.1. <i>L</i> 46 ackard Ltd ackard Ltd s in relation to 100B 02.3-2012 or IEEE	# <u>r01-8</u> EE 802.3bx, for some BASE-T4. 802.3bx, change the	SYMB_1D is a pa Definitions subcla SuggestedRemedy Remove SYMB_1 Proposed Response C/ 01 SC 1.4. Healey, Adam Comment Type E In IEEE P802.3/D SuggestedRemedy Change the base	arameter of a ser ause. ID definition. <i>Respons</i> <b>394</b> Comme 03.1, "eight nanos text to align with be consistent with	vice interface prin se Status <b>O</b> P <b>21</b> Avago Techr ent Status <b>X</b> seconds" has bee n the current draft	L 8 nologies en changed to "8 i c of the IEEE 802.3	# [ <u>r01-1</u>

C/ 01 SC 1.4.394

C/ 01         SC 1.4.87a         P 21         L 29         # [r01-9]           Law, David         Hewlett-Packard Ltd         Hewl	C/         45         SC         45.2.1.7         P 24         L 36         # [r01-49]           Law, David         Hewlett-Packard Ltd         Hewle
Comment Type E Comment Status X The cross reference to subclause 96.3.2.2.2 in respect to 4B/3B seems to be incorrect, I can't find subclause 96.3.2.2.2, and 4B/3B conversion is defined in subclause 96.3.3.1.	Comment Type E Comment Status X In both IEEE Std 802.3-2012 and in IEEE 802.3bx the 'PMA/PMD control 2 register (Register 1.7)' is subclause 45.2.1.6.
SuggestedRemedy Suggest 96.3.2.2.2 should read 96.3.3.1.	SuggestedRemedy Change 45.2.1.7 to read 45.2.1.6.
Proposed Response Response Status O	Proposed Response Response Status O
C/ 01         SC 1.5         P 21         L 51         # [r01-10]           Law, David         Hewlett-Packard Ltd         Hewlett	C/ 96         SC 96.1         P 28         L 7         # [r01-52]           Law, David         Hewlett-Packard Ltd         Hewlett
	Comment Type T Comment Status X
The items are not in alphabetical order, for example DPI, EMC, DUT, RMS then LCL. SuggestedRemedy Place in in alphabetical order.	I acknowledge that this comment is out of scope on this recirculation as it is on unchang text, however the introduction should also state how the optional management registers accesses, in particular since it is not through the Clause 22 management interface. SuggestedRemedy The 100BASE-T1 Physical Layer supports standard media access controller (MAC) interfaces via the MII defined in Clause 22 with the exception of the MII Management
The items are not in alphabetical order, for example DPI, EMC, DUT, RMS then LCL. SuggestedRemedy Place in in alphabetical order. Proposed Response Response Status O	I acknowledge that this comment is out of scope on this recirculation as it is on unchang text, however the introduction should also state how the optional management registers accesses, in particular since it is not through the Clause 22 management interface. SuggestedRemedy The 100BASE-T1 Physical Layer supports standard media access controller (MAC)
The items are not in alphabetical order, for example DPI, EMC, DUT, RMS then LCL. SuggestedRemedy Place in in alphabetical order. Proposed Response Response Status O Cl 45 SC 45.2.1.10.a P 25 L 52 # r01-2 Healey, Adam Avago Technologies	I acknowledge that this comment is out of scope on this recirculation as it is on unchang text, however the introduction should also state how the optional management registers accesses, in particular since it is not through the Clause 22 management interface. SuggestedRemedy The 100BASE-T1 Physical Layer supports standard media access controller (MAC) interfaces via the MII defined in Clause 22 with the exception of the MII Management interface defined 22.2.4. The 100BASE-T1 management functions are optionally
The items are not in alphabetical order, for example DPI, EMC, DUT, RMS then LCL. SuggestedRemedy Place in in alphabetical order. Proposed Response Response Status O Cl 45 SC 45.2.1.10.a P 25 L 52 # r01-2 Healey, Adam Avago Technologies Comment Type E Comment Status X Something seems to have gone wrong with the subclause and table numbering. It seems that the inserted sublcause should be 45.2.1.14a and the inserted table should be Table 45-17a. The instruction says to insert Table 45-16a but this should be Table 45-17a (assuming the table number is corrected).	I acknowledge that this comment is out of scope on this recirculation as it is on unchang text, however the introduction should also state how the optional management registers accesses, in particular since it is not through the Clause 22 management interface. <i>SuggestedRemedy</i> The 100BASE-T1 Physical Layer supports standard media access controller (MAC) interfaces via the MII defined in Clause 22 with the exception of the MII Management interface defined 22.2.4. The 100BASE-T1 management functions are optionally accessible through the management interface defined in Clause 45.
The items are not in alphabetical order, for example DPI, EMC, DUT, RMS then LCL. SuggestedRemedy Place in in alphabetical order. Proposed Response Response Status O Cl 45 SC 45.2.1.10.a P 25 L 52 # r01-2 Healey, Adam Avago Technologies Comment Type E Comment Status X Something seems to have gone wrong with the subclause and table numbering. It seems that the inserted sublcause should be 45.2.1.14a and the inserted table should be Table 45-17a. The instruction says to insert Table 45-16a but this should be Table 45-17a (assuming the table number is corrected).	I acknowledge that this comment is out of scope on this recirculation as it is on unchang text, however the introduction should also state how the optional management registers accesses, in particular since it is not through the Clause 22 management interface.SuggestedRemedy The 100BASE-T1 Physical Layer supports standard media access controller (MAC) interfaces via the MII defined in Clause 22 with the exception of the MII Management interface defined 22.2.4. The 100BASE-T1 management functions are optionally accessible through the management interface defined in Clause 45.Proposed ResponseResponse StatusOCl 96SC 96.1P 29L 2#Healey, AdamAvago Technologies
The items are not in alphabetical order, for example DPI, EMC, DUT, RMS then LCL. SuggestedRemedy Place in in alphabetical order. Proposed Response Response Status O Cl 45 SC 45.2.1.10.a P 25 L 52 # r01-2 Healey, Adam Avago Technologies Comment Type E Comment Status X Something seems to have gone wrong with the subclause and table numbering. It seems that the inserted sublcause should be 45.2.1.14a and the inserted table should be Table 45-17a. The instruction says to insert Table 45-16a but this should be Table 45-17a (assuming the table number is corrected). SuggestedRemedy	I acknowledge that this comment is out of scope on this recirculation as it is on unchang text, however the introduction should also state how the optional management registers accesses, in particular since it is not through the Clause 22 management interface.         SuggestedRemedy       The 100BASE-T1 Physical Layer supports standard media access controller (MAC) interfaces via the MII defined in Clause 22 with the exception of the MII Management interface defined 22.2.4. The 100BASE-T1 management functions are optionally accessible through the management interface defined in Clause 45.         Proposed Response       Response Status       O         Cl 96       SC 96.1       P 29       L 2       # r01-3         Healey, Adam       Avago Technologies         Comment Type       E       Comment Status       X         In Figure 96-2, the righhand stack is labeled "LAN CSMA/CD LAYERS". Does 100BASE

C/ 96 SC 96.1

C/ 96         SC 96.1.1         P 31         L 40         # r01-50           aw, David         Hewlett-Packard Ltd         Hewlett	C/         96         SC         96.1.2.2         P 32         L 52         #         r01-48           Law, David         Hewlett-Packard Ltd         Hewlett-Packard Ltd
omment Type T Comment Status X	Comment Type T Comment Status X
I acknowledge that this comment is out of scope on this recirculation as it is on unchanged text, however in the first two paragraphs of this subclause, there different descriptions of the twisted-pair cabling supported by 100BASE-T1, 100BASE-TX and 1000BASE-T are used.	The second paragraph of subclause 96.1.2.2 'State Diagram Timer specifications' that starts 'The 100BASE-T1 PHY supports normal operation and link training operation' doesn't seem to relate to state diagram times, and instead to normal and training operation <i>SuggestedRemedy</i>
In respect to 100BASE-T1 the cabling is described as 'single balanced twisted-pair', in the case of 100BASE-TX the cabling is described as 'two pairs of a channel comprising	Suggest that this text be moved to the third paragraph of subclause 96.3.4.2 PCS 'Transmit state diagram'.
unshielded copper cabling or better', in the case of 1000BASE-T the cabling is described as '4-pair balanced cabling system compliant with 40.7'.	Proposed Response Response Status O
Subclause 25.1 'Overview' of IEEE Std 802.3 states 'This clause specifies the 100BASE-X PMD (including MDI) and baseband medium for twisted-pair wiring, 100BASE-TX.' Based on this I'd suggest that a better description for 100BASE-TX would simply be 'two pairs of balanced twisted-pair'.	C/       96       SC       96.1.2.2       P 32       L 52       # r01-14         Law, David       Hewlett-Packard Ltd       Hewlett-Packard Ltd         Comment Type       T       Comment Status X
Subclause 40.1 'Overview' of IEEE Std 802.3 states ' The 1000BASE-T Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) and baseband medium specifications are intended for users who want 1000 Mb/s performance over Category 5 balanced twisted-pair cabling systems.'. Based on this I'd suggest a better description for 1000BASE-T	The second paragraph of this subclause doesn't seem to be related to State Diagram Timer specifications. SuggestedRemedy
would be 'four pairs of balanced twisted-pair'. I also both paragraphs state that 100BASE-T1 operates over a single balanced twisted-pair channel which seems to be repetitively redundant.	Consider moving the second paragraph of this subclause elsewhere.Proposed ResponseResponse StatusO
uggestedRemedy	C/ 96 SC 96.11.4.1 P 92 L 1 # r01-26
Suggest the first two paragraphs be replaced with 'The 100BASE-T1 PHY operates using	Law, David Hewlett-Packard Ltd
full-duplex communications (using echo cancellation) over a single balanced twisted-pair. In contrast, the IEEE 802.3 100BASE-TX PHY, specified in Clause 25, operates on two	Comment Type E Comment Status X
pairs of balanced twisted-pair cabling. Like the 100BASE-TX PHY, this PHY uses ternary signaling and interfaces to the Clause 22 MII. The 1000BASE-T PHY is specified in Clause 40, and it operates over four pairs of balanced twisted-pair cabling.'.	There is one 'shall' statement in subclause 96.3.4.1.1 'Control signals in 4B/3B conversion' and two in subclause 96.3.4.1.2 '4B/3B conversion for MII data' that appear to be missing PICS entries that apply to them.
roposed Response Response Status O	SuggestedRemedy
	Add if required.
	Proposed Response Response Status <b>O</b>

C/ 96 SC 96.11.4.1

C/ 96 SC 96.11.4.1	P 92	L <b>3</b>	# r01-25		SC 96.11.4.4	P		L <b>34</b>	# r01-17
aw, David	Hewlett-Packar	d Ltd		Law, David		Hew	ett-Packar	d Ltd	
Comment Type E	Comment Status X			Comment Type	e E	Comment Status	Х		
I think the reference for rather than to 96.3.4.2.	item PCT1 should be to 96.3.4 1 'Variables'.	4.2 'PCS Trans	mit state diagram'			dicate condition de Yes [] N/A []'. Fo			
SuggestedRemedy				SuggestedRer	nedy				
In the subclause colum	n change '96.3.4.2.1' to read '9	6.3.4.2'.		Update the	e 'Support' file	d for the PICS item	PMF2 and	I PMF3 to read	
Proposed Response	Response Status <b>O</b>			Yes [ ] N/A [ ]					
C/ 96 SC 96.11.4.2 .aw, David	P <b>92</b> Hewlett-Packar	<i>L</i> <b>54</b> d Ltd	# r01-43	Proposed Res	ponse	Response Status	0		
Comment Type E	Comment Status X			C/ 96 S	SC 96.11.4.4	P	4	L 41	# r01-18
51	tatements in subclause 96.3.5	.5 'PCS Receiv	e MII signal 3B/4B	Law, David		-	ett-Packar		
conversion' that appear	to be missing PICS entries the	at apply to then	η.	Comment Type	e E	Comment Status	x		
SuggestedRemedy								shall statement	to subclause 96.4.5
Add if required.						r operation, as show			
Proposed Response	Response Status <b>O</b>			provided to	o support PH	Control.' however	a PICS ite	m was not adde	ed.
				SuggestedRer	medy				
				Suggest th	nat a new PIC	S item be included	as follows:		
C/ 96 SC 96.11.4.4	P <b>94</b>	L 29	# r01-16	Itom: DME	5 (ronumbor	ollowing items)			
aw, David	Hewlett-Packar	d Ltd			ink Monitor fu				
Comment Type E	Comment Status X			Subclause					
PICS item PMF1 should	d be updated to match the cha	nges made to §	96.4.1 in response to		nment: See F	gure 96-30			
comment i-55.				Status: M Support: Y	/es[]				
SuggestedRemedy				Proposed Res		Response Status	0		
	nment' field be updated to read d in 36.2.5.1.3 not supported.'	d 'Conform to 4	0.4.2.1, optional low	i ioposed Nes	ponse	Nesponse status	0		
Proposed Response	Response Status O								

C/ 96 SC 96.11.4.4

C/         96         SC         96.11.4.4         P         94         L         44         # r01-15           Law, David         Hewlett-Packard Ltd         Hewlett-P	C/         96         SC         96.11.4.5         P 95         L 21         # [r01-20]           Law, David         Hewlett-Packard Ltd         Hewl
Comment Type       E       Comment Status       X         PICS item PFM5 is missing a 'Status' and 'Support' value, in addition the font used seems different from the other PICS items in this table.       SuggestedRemedy         [1] Add 'M' to the 'Status' column.       [2] Add 'Yes []' to the 'Support' column.       [3] Check the font is the same as the rest of the table.         Proposed Response       Response Status       O	Comment Type       E       Comment Status       X         Item PME3 states that 'The emission of the PMA transmitter to its electrical environment shall be tested according to the 150 Ohm direct coupling method of IEC 61967-4' and marks the item as 'M' (mandatory), yet the text in subclause 96.5.1.2 'Emission - Conducted emission test' states that 'The emission of the PMA transmitter to its electrical environment may be tested according to the 150 Ohm direct coupling method of IEC 61967-4', a 'shall' in the PICS but only a 'may' in the subclause.         SuggestedRemedy       Suggest that the text be updated to match the subclause text, and the 'Status' and 'Support' fields be updated to 'O' and 'Yes [] No []'.
C/         96         SC         96.11.4.5         P         95         L         12         #         r01-19           Law, David         Hewlett-Packard Ltd	Proposed Response Response Status <b>O</b>
Comment Type       E       Comment Status       X         Item PME2 states that 'The sensitivity of the PMA's receiver to radio frequency CM RF noise shall be tested according to the Direct Power Injection (DPI) method of IEC 62132-4' and marks the item as 'M' (mandatory), yet the text in subclause 96.5.1.1 'Immunity - DPI test' states that 'The sensitivity of the PMA's receiver to radio frequency CM RF noise may be tested according to the Direct Power Injection (DPI) method of IEC 62132-4', a 'shall' in the PICS but only a 'may' in the subclause.         Suggest that the text be updated to match the subclause text, and the 'Status' and 'Support' fields be updated to 'O' and 'Yes [] No []'.	Cl 96       SC 96.11.4.5       P 95       L 6       # r01-21         Law, David       Hewlett-Packard Ltd       Hewlett-Packard Ltd         Comment Type       E       Comment Status X         Item PME1 states that '100BASE-T1 PHY shall comply with applicable local and national codes, or as agreed between customer and supplier'. yet the text in subclause 96.5.1       'EMC tests' which states 'A system integrating the 100BASE-T1 PHY shall comply with applicable local and national codes. In addition, the system may need to comply with more stringent requirements as agreed upon between customer and supplier'. I don't think the use of the 'or' statement is correct in the PICS item as the subclause states that the system shall comply with applicable local and national codes but that 'in addition' it may comply with more stringent requirements as agreed.
Proposed Response Response Status <b>O</b>	SuggestedRemedy

Suggest the text be updated to just read "100BASE-T1 PHY shall comply with applicable local and national codes'.

Proposed Response Response Status **O** 

C/ 96 SC 96.11.4.5

	.5 <i>P</i> 96	L 29	# r01-42		SC 96.11.4.6	••	L <b>27</b>	# r01-39
aw, David	Hewlett-Pack	ard Ltd		Law, David		Hewlett-Pa	ckard Ltd	
omment Type E	Comment Status X			Comment Ty	be E	Comment Status X		
32, and Figure 96-33,	st fixtures' states that 'The fixtu , or their equivalents, are used	in the stated res	pective tests for		one 'shall' stat ry that applies	ement in 96.7.2 'Noise env to it.	vironment' that app	bear to be missing a
uses a 'shall' in place	nitter specifications.' however the of the 'are'.	ne 'Feature' filed	of PICS Item PIME12	SuggestedRe	emedy			
uggestedRemedy				Add if red	quired.			
,	tory requirement, consider dele	eting the PICS ite	m	Proposed Re	sponse	Response Status 0		
Proposed Response	Response Status <b>O</b>							
	,			<i>CI</i> 96 Law, David	SC 96.11.4.7	P <b>99</b> Hewlett-Pa	L <b>45</b> ckard I td	# r01-38
C/ 96 SC 96.11.4		L 30	# r01-41	,	na <b>F</b>	Comment Status X		
₋aw, David	Hewlett-Pack	ard Ltd		Comment Ty				
Comment Type E	Comment Status X					ement in 96.8.2.2 'MDI mo at appear to be missing PIC		
	atement in 96.5.6 'Transmitter	peak differential	output' that appear to					
There is one 'shall' sta be missing a PICS en		peak differential	output' that appear to	SuggestedRe	emedy			
be missing a PICS en SuggestedRemedy		peak differential	output' that appear to	SuggestedRe Add if red	emedy quired.			
be missing a PICS en		peak differential	output' that appear to	SuggestedRe	emedy quired.	Response Status <b>O</b>		
be missing a PICS en SuggestedRemedy Add if required.		peak differential	output' that appear to	SuggestedRe Add if red	emedy quired.			
be missing a PICS en SuggestedRemedy Add if required.	ntry that applies to it.	peak differential	output' that appear to	SuggestedRe Add if rec Proposed Re Cl <b>96</b>	emedy quired.	Response Status 0	L 19	# [ <u>r01-28</u>
be missing a PICS en SuggestedRemedy Add if required. Proposed Response	ntry that applies to it. Response Status <b>O</b>	peak differential	output' that appear to	SuggestedRe Add if rec Proposed Re C/ <b>96</b> Law, David	emedy quired. sponse SC 96.11.5	Response Status O P 100 Hewlett-Par	L 19	
be missing a PICS en SuggestedRemedy Add if required. Proposed Response Cl 96 SC 96.11.4.	ntry that applies to it. Response Status <b>O</b>	L <b>30</b>		SuggestedRe Add if red Proposed Re Cl <b>96</b> Law, David Comment Tyj	emedy quired. sponse SC 96.11.5 pe E	Response Status O P 100 Hewlett-Par Comment Status X	L 19 ckard Ltd	# [ <u>r01-28</u>
be missing a PICS en SuggestedRemedy Add if required. Proposed Response Cl 96 SC 96.11.4. Law, David Comment Type E	ntry that applies to it. <i>Response Status</i> <b>O</b> <b>.5</b> <i>P</i> <b>98</b> Hewlett-Pack <i>Comment Status</i> <b>X</b>	<i>L</i> <b>30</b> ard Ltd	# [ <u>r01-40</u> ]	SuggestedRe Add if red Proposed Re Cl <b>96</b> Law, David Comment Tyj Not sure	emedy quired. sponse SC 96.11.5 pe E	Response Status O P 100 Hewlett-Par	L 19 ckard Ltd	# [ <u>r01-28</u>
be missing a PICS en SuggestedRemedy Add if required. Proposed Response Cl 96 SC 96.11.4. Law, David Comment Type E There is one 'shall' sta	ntry that applies to it. <i>Response Status</i> <b>O</b> <b>.5</b> <i>P</i> <b>98</b> Hewlett-Pack <i>Comment Status</i> <b>X</b> tatement in 96.6 'Management	<i>L</i> 30 ard Ltd interface' and two	# <u>r01-40</u> o in 96.6.1 'MASTER-	SuggestedRe Add if red Proposed Re Cl <b>96</b> Law, David Comment Tyj Not sure	ernedy quired. sponse SC 96.11.5 De E what the 'Yes' eant to mean.	Response Status O P 100 Hewlett-Par Comment Status X	L 19 ckard Ltd	# [ <u>r01-28</u>
be missing a PICS en SuggestedRemedy Add if required. Proposed Response Cl 96 SC 96.11.4. Law, David Comment Type E There is one 'shall' sta SLAVE configuration'	ntry that applies to it. <i>Response Status</i> <b>O</b> <b>.5</b> <i>P</i> <b>98</b> Hewlett-Pack <i>Comment Status</i> <b>X</b>	<i>L</i> 30 ard Ltd interface' and two	# <u>r01-40</u> o in 96.6.1 'MASTER-	SuggestedRe Add if rec Proposed Re C/ 96 Law, David Comment Ty Not sure ES6 is m SuggestedRe	emedy quired. sponse SC 96.11.5 De E what the 'Yes' eant to mean. emedy	Response Status O P 100 Hewlett-Par Comment Status X	L <b>19</b> ckard Ltd eld for items ES1, I	# [ <u>r01-28</u>
be missing a PICS en SuggestedRemedy Add if required. Proposed Response Cl 96 SC 96.11.4. Law, David Comment Type E There is one 'shall' sta SLAVE configuration' SuggestedRemedy	ntry that applies to it. <i>Response Status</i> <b>O</b> <b>.5</b> <i>P</i> <b>98</b> Hewlett-Pack <i>Comment Status</i> <b>X</b> tatement in 96.6 'Management	<i>L</i> 30 ard Ltd interface' and two	# <u>r01-40</u> o in 96.6.1 'MASTER-	SuggestedRe Add if rec Proposed Re C/ 96 Law, David Comment Ty Not sure ES6 is m SuggestedRe	emedy quired. sponse SC 96.11.5 De E what the 'Yes' eant to mean. emedy e 'Yes', the ad	Response Status O P 100 Hewlett-Par Comment Status X in the 'Value/Comment' fie	L <b>19</b> ckard Ltd eld for items ES1, I	# [ <u>r01-28</u>
be missing a PICS en SuggestedRemedy Add if required. Proposed Response Cl 96 SC 96.11.4. Law, David Comment Type E There is one 'shall' sta SLAVE configuration'	ntry that applies to it. <i>Response Status</i> <b>O</b> <b>.5</b> <i>P</i> <b>98</b> Hewlett-Pack <i>Comment Status</i> <b>X</b> tatement in 96.6 'Management	<i>L</i> 30 ard Ltd interface' and two	# <u>r01-40</u> o in 96.6.1 'MASTER-	SuggestedRe Add if rec Proposed Re C/ 96 Law, David Comment Ty/ Not sure ES6 is m SuggestedRe Delete th	emedy quired. sponse SC 96.11.5 De E what the 'Yes' eant to mean. emedy e 'Yes', the ad	Response Status O P 100 Hewlett-Par Comment Status X in the 'Value/Comment' fie d new text as required or le	L <b>19</b> ckard Ltd eld for items ES1, I	# [ <u>r01-28</u>

C/ 96 SC 96.11.5

C/ 96 SC 96.11.5 P 100 L 19 # r01-31	C/ 96 SC 96.11.5 P 100 L 19 # r01-32
Law, David Hewlett-Packard Ltd	Law, David Hewlett-Packard Ltd
Comment Type E Comment Status X	Comment Type E Comment Status X
Subclause 96.9.1 'General Safety' states that 'All equipment subject to this clause shall conform to IEC 60950-1 (for IT and motor vehicle applications)' and ' to ISO 26262 (for motor vehicle applications only, if required by the given application).'. While PICS item ES1	Subclause 96.9.1 'General Safety' states that 'All equipment subject to this clause shall conform to IEC 60950-1' yet the 'feature' field of PICS item ES1 reads 'Conformance to applicable sections of IEC 60950-1'.
has covered the requirement to conform to IEC 60950-1 is all cases, there is no PICS item to cover the requirement to conform to ISO 26262 in motor vehicle applications, if required.	SuggestedRemedy
SuggestedRemedy	Suggest that 'Conformance to applicable sections of IEC 60950-1' be changed to read ' Conformance to IEC 60950-1'.
[1] Add a new option to cover the requirement that conformance to ISO 26262 is only if required by the given application.	Proposed Response Response Status O
Item: ES2 (renumbering of following items required) Feature: Application requires conformance to ISO 26262 Subclause: 96.9.1	C/         96         SC         96.11.5         P 100         L 22         # r01-29           Law, David         Hewlett-Packard Ltd         Hewlett
Value/Comment: Status: O	Comment Type E Comment Status X
Support: Yes [] N/A []	Subclause 96.9.2 'Network Safety' states that 'In automotive applications, all 100BASE-T1 cabling shall be routed in way to provide maximum protection by the motor vehicle sheet metal and structural components, following SAE J1292, ISO 14229, and ISO 15764.'. Based on this item ES2 is not mandatory in all cases, but instead should be predicated on an automotive environment installation (AUTO, see 96.11.3).
[2] Add a new item as follows to cover the conditional shall.	SuggestedRemedy
	[1] Change the 'Status' field to read: AUTO:M
Item: ES3 (renumbering of following items required) Feature: Conformance to ISO 26262. Subclause: 96.9.1	[2] Change the 'Support' field to read:
Value/Comment: Status: AUTO*ES2:M	Yes [ ] N/A [ ]
Support:	Proposed Response Response Status O
Yes [ ] N/A [ ]	
Proposed Response Response Status O	

C/ 96 SC 96.11.5

C/ 96 SC 96.11.5	P 100	L 37	# r01-34	C/ 96 SC 96.2.1.2	P 34	L <b>8</b>	# r01-11
Law, David	Hewlett-Packa	rd Ltd		Law, David	Hewlett-Pack	ard Ltd	
Comment Type E 96.9.2.2 'Electromagn PHY shall comply with customer and the sup suggest that the PICS agreement between th SuggestedRemedy Change the text ' lim	Comment Status X etic Compatibility' states that 'A all applicable local and nation blier, for the limitation of electro item ES4 has its 'Feature' field e customer and the supplier. itation of electromagnetic inter erence, or as agreed to betwee <i>Response Status</i> <b>O</b>	system integra al codes, or as magnetic interf l updated to refi ference' to reac	agreed to between the ference.'. Based on this lect the option of an	Comment Type TR The PMA_LINK.indic based on the alternat Force while meeting the Technology Depe PCS as stated in sub by PMA Link Monitor Based on this the PM SuggestedRemedy [1] In Figure 96-2 '100	Comment Status X ation primitive has been delete ive response to comment i-56 n May. While this makes sense ndant Interface, this primitive i clause 96.3.3.1 'Variables' whi and passed to the PCS via the A_LINK.indication primitive ne DBASE-T1 PHY interfaces' add d the PCS with the arrow point	d from the PMA generated by th e from the point s also used to p ch reads 'The lin e PMA_LINK.ind eds to be added	e IEEE P802.3bw Task of view of getting rid of lass link_status to the hk_status parameter se lication primitive.'. d to the PMA service
SuggestedRemedy	P 100 Hewlett-Packa Comment Status X sing text in its 'Status' and 'Sup filed and 'Yes []' to the 'Suppo Response Status O	port' fields.	# <u>r01-33</u>	the list of service prin [3] Add the following 96.2.2 'PMA service i 96.2.2.x PMA_LINK.i This primitive is gene	definition of the PMA_LINK.ind nterface': ndication rated by the PMA to indicate th his primitive informs the PCS a	lication as a sub	underlying medium as
Cl 96 SC 96.11.5 Law, David Comment Type E There are three 'shall' missing PICS entries t SuggestedRemedy Add if required. Proposed Response	P 100 Hewlett-Packa <i>Comment Status</i> X statements in subclause 96.10 hat apply to them. <i>Response Status</i> O		# <u>r01-35</u>	FAIL No valid link ex OK The Link Monit Reliable receptio 96.2.2.x.2 When gene The PMA generates t compliance with the s 96.2.2.x.3 Effect of re	neter can take on one of two vastablished. or function indicates that a vali n of signals transmitted from the erated his primitive continuously to in state diagram given in 96.4.5.	d 100BASE-T1 ne remote PHY i dicate the value	link is established. is possible.

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

C/ 96 SC 96.2.1.2 Page 8 of 12 7/13/2015 2:59:38 AM

C/ 96 SC 96.2.2	P 36 L 17	# r01-22	C/ <b>96</b>	SC 96.3	P <b>41</b>	L 13	# r01-24
.aw, David	Hewlett-Packard Ltd		Law, David			ackard Ltd	
Comment Type T	Comment Status X		Comment T		Comment Status X		
	nt i-56, item 9 removed the primitive PMA_CO nfig was supplied by management. Suggest th odated to reflect this.		respons	se to comment	CS Transmit function is ex i-63 subclause 96.3.2 'PC ow 'PCS Transmit'.	xplained in 96.3.2' S Transmit' has bee	however based on the en removed, and
uggestedRemedy			Suggested	Remedy			
In Figure 96-6 make the			Update	the reference	to subclause 96.3.2 to be	to subclause 96.3.4.	
INTERFACE' between [2] Add a short line vert	led 'config' that crosses the boundary marked the two points where it connects to two other l tical line starting from the 'MANAGEMENT' bo lined marked 'PMA SERVICE INTERFACE'.	ines.	Proposed R	Response	Response Status O		
	e connected the line added in [2].		C/ 96	SC 96.3.4.2	.1 P 44	L <b>41</b>	# r01-27
[4] Add vertical lines at	each end of the line added in [3] to connected	d with the config line	Law, David		Hewlett-P	ackard Ltd	
on the PCS side and P [5] Add the label 'config			Comment T	vpe E	Comment Status X		
[2] Add a box at the top Figure 96-24 fo rexamp	led 'config' from the join to 'PMA SERVICE IN p marked 'MANAGEMENT' with MDIO and MD ole). om management box to exiting 'config' to sign nent.	C connections (see		l ' last nibble R <i>emedy</i> mment.	multiple of three' should at MII RX domain' shou Response Status 0		
In Figure 96-24 make the [1] Delete the line label [2] Add the label 'config	led 'config' from the join to 'PMA SERVICE IN	TERFACE' boundary.	<i>Cl</i> <b>96</b> Law, David	SC 96.4	P 68 Hewlett-P	L <b>2</b> ackard Ltd	# r01-12
Proposed Response	Response Status <b>O</b>		Comment T		Comment Status X font as the rest of the figur	e for the text 'MANA	AGEMENT' in the
96 SC 96.2.8.3	P 39 L 54	# r01-23	upperm	lost box. Pleas	e also center align the text	t left-right an top-bot	tom.
aw, David	Hewlett-Packard Ltd	101 20	Suggested	Remedy			
omment Type E	Comment Status X		See co	mment.			
Subclause 96.2.8.3 'Eff references, however su	iect of receipt' lists subclause 96.2.2 as one of bclause 96.2.2 is 'PMA service interface' which s one, and seems a somewhat circular.		Proposed R	Response	Response Status 0		
SuggestedRemedy							
Remove 96.2.2 from the	e list of references.						
Proposed Response	Response Status <b>O</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: Clause, Subclause, page, line

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	P70 L43	# r01-13	C/ 96 SC 96.5.3	P 78	L <b>6</b>	# r01-47
_aw, David	Hewlett-Packard Ltd		Law, David	Hewlett-Pack	kard Ltd	
omment Type <b>T</b>	Comment Status X		Comment Type E	Comment Status X		
be Master or Slave via control during initializa 'management control', suggest similar change	Y Control function' states that ' PMA_CONFIG a management ation'. I therefore I suggest that a similar state not just 'MANAGEMENT', be made in respect es for the description of the 'config' and the 'lin .4.7.1 'State diagram variables' on page 58.	ement, that to link_control. I	The text in the Balu symbol)'. SuggestedRemedy See comment. Proposed Response	n ' impedance of 100 W' shou <i>Response Status</i> <b>0</b>	ld read ' impeda	ance of 100 Ohm(use
uggestedRemedy						
	xt ' is used to set link_control to ENABLE thr to read 'is used to set link_control to ENABLE age 70, line 43.		C/ 96 SC 96.6 Law, David	P <b>84</b> Hewlett-Pack	L <b>28</b> kard Ltd	# <u>r01-53</u>
[2] Suggest that the te	xt 'The config parameter is set by MANAGEME	ENT and passed to the	Comment Type T	Comment Status X		
be changed to read ' T 72, line 46.	xt 'This variable is generated by MANAGEMEN This variable is generated by management or s Response Status <b>O</b>	NT or set by default.' et by default.' on page	described in the follo	erface as specified in Clause 4 owing section.'. It doesn't seem se the Clause 45 interface.	correct to manda	
roposea kesponse			as specified in Clau	agraph be replaced with '100B se 45. The Clause 45 MDIO ele	ectrical interface is	s optional. Where no
· · ·	P 61 L 6	# <u>r01-51</u>	as specified in Clau	se 45. The Clause 45 MDIO ele the MDIO exists, provision	ectrical interface is	s optional. Where no
C/ 96 SC 96.4.7.1		# [r01-51	as specified in Claus physical embodimer	se 45. The Clause 45 MDIO ele the MDIO exists, provision	ectrical interface is	s optional. Where no
7 96 SC 96.4.7.1 Icclellan, Brett	P61 L6	# <u>r01-51</u>	as specified in Clause physical embodiment the registers is reco	se 45. The Clause 45 MDIO ele the MDIO exists, provision mmended.'.	ectrical interface is	s optional. Where no
/ 96 SC 96.4.7.1 cclellan, Brett omment Type TR This sentence was add PHY supports the optic	P <b>61</b> L <b>6</b> Marvell Semiconducto	E,	as specified in Clause physical embodiment the registers is reco	se 45. The Clause 45 MDIO ele the MDIO exists, provision mmended.'.	ectrical interface is of an equivalent <i>L</i> 35	s optional. Where no
/ 96     SC 96.4.7.1       cclellan, Brett       omment Type       This sentence was add       PHY supports the option       scr_status is set to NC	P 61 L 6 Marvell Semiconducto Comment Status X ded several drafts ago. "Note that when the onal EEE capability and signal_detect is FALS	E,	as specified in Clau physical embodimen the registers is reco Proposed Response	se 45. The Clause 45 MDIO ele to f the MDIO exists, provision mmended.'. Response Status <b>0</b> P <b>84</b>	ectrical interface is of an equivalent <i>L</i> 35	s optional. Where no mechanism to access
<b>96</b> SC <b>96.4.7.1</b> Icclellan, Brett <i>comment Type</i> <b>TR</b> This sentence was add PHY supports the optic scr_status is set to NC <i>uggestedRemedy</i> delete the sentence	P 61       L 6         Marvell Semiconducto         Comment Status       X         ded several drafts ago.       "Note that when the onal EEE capability and signal_detect is FALS DT_OK." There is no other mention of support of the other mention of the other mentis of the other mention of the other mention of the ot	E,	as specified in Clau physical embodimen the registers is reco Proposed Response Cl 96 SC 96.6.1 Law, David Comment Type E Suggest 'In case bo	se 45. The Clause 45 MDIO ele to f the MDIO exists, provision mmended.'. <i>Response Status</i> <b>O</b> <i>P</i> 84 Hewlett-Pack <i>Comment Status</i> <b>X</b> th' be changed to read 'In the	<i>L</i> <b>35</b> <i>L</i> as where both	s optional. Where no mechanism to access # <u>r01-46</u>
Acclellan, Brett Comment Type TR This sentence was add PHY supports the optic scr_status is set to NC SuggestedRemedy	P 61 L 6 Marvell Semiconducto Comment Status X ded several drafts ago. "Note that when the onal EEE capability and signal_detect is FALS	E,	as specified in Clau physical embodimen the registers is reco Proposed Response Cl 96 SC 96.6.1 Law, David Comment Type E Suggest 'In case bo	se 45. The Clause 45 MDIO ele to f the MDIO exists, provision mmended.'. <i>Response Status</i> <b>O</b> <i>P</i> 84 Hewlett-Pack <i>Comment Status</i> <b>X</b>	<i>L</i> <b>35</b> <i>L</i> as where both	s optional. Where no mechanism to access # <u>r01-46</u>

C/ 96 SC 96.6.1

C/ 96 SC 96.9.1	P 88	L 54	# r01-45	C/ 96	SC 96.9.2.1		L 10	# r01-44
Law, David	Hewlett-Pack	ard Ltd		Law, David		Hewlett-Pac	Kard Ltd	
Comment Type T	Comment Status X			Comment 7	<sup>-</sup> уре <b>т</b>	Comment Status X		
additionally required t standards or as agree applications may well	neral Safety' states that 'All eq o conform to any applicable loo ed to between the customer an have to conform to applicable II, state, or national motor vehic	cal, state, or nati d supplier.' While local, state, or n	onal motor vehicle e equipment in IT	environ Specifi	ment' be move cations' as this his to be used	The 100BASE-T1 PHY is d to be a sentence under th statement is applicable to th as the reference for the 'AUT	e subclause head le whole of this se	ling 96.9 'Environmental ection, this would also
SuggestedRemedy				Suggestedl	Remedy			
	any applicable local, state, or d to read ' to any applicable l			enviror	e the text 'The ment' from sul nvironmental S	100BASE-T1 PHY is desigr oclause 96.9.2.1 'Environmer opecifications'.	ned to operate in t ntal Safety' to be t	he automotive he text for subclause
Proposed Response	Response Status 0			[2] In th	e Subclause f	eld of the PICS item 'AUTO'	add '96.9.	
				Proposed F	Response	Response Status 0		
C/ 96 SC 96.9.2.1	P 89	L 10	# r01-30					
Law, David	Hewlett-Packa	ard Ltd						
Comment Type TR	Comment Status X							
I don't think the environ listed here should be an automotive applica	onmental stresses with respect placed on all 100BASE-T appl ation.	to mounting loc ications, only wh	ation requirements ere it is being used in					
SuggestedRemedy								
[1] Change the text 'A	Il equipment subject to this cla ns, all equipment subject to thi							
[2] Update the PICS in	tem ES3 to match the above c	hange as follows	s.					
[2a] Change the 'State	us' field to read: AUTO:M							
[2b] Change the 'Sup	port' field to read:							
Yes [ ] N/A [ ]								
Proposed Response	Response Status O							

C/ 96 SC 96.9.2.1

CI 96	SC 96.9.2.2	P 89	L 25	# r01-37	C/ <b>96</b>
Law, David	d	Hewlett-Pack	ard Ltd		Law, Dav

Comment Type TR Comment Status X

Subclause 96.9.2.2 'Electromagnetic Compatibility' seems to be duplicative, but also contradictory, to subclause 96.5.1 'EMC tests'.

Subclause 96.9.2.2 'Electromagnetic Compatibility' states that 'A system integrating the 100BASE-T1 PHY shall comply with all applicable local and national codes, or as agreed to between the customer and the supplier, for the limitation of electromagnetic interference.' Subclause 96.5.1 'EMC tests' also states 'A system integrating the 100BASE-T1 PHY shall comply with applicable local and national codes.' however states 'In addition, the system may need to comply with more stringent requirements as agreed upon between customer and supplier, for the limitation of electromagnetic interference.'

Hence subclause 96.9.2.2 seems to permit the use of an alternative to applicable local and national codes if it is agreed between the customer and supplier yet subclause 96.5.1 doesn't, only noting that in addition more stringent requirements may be agreed between the customer and supplier. Further, Subclause 96.9.2.2 requires conformance to IEC CISPR 25, while subclause 96.5.1 seems to just note the existence of IEC CISPR 25.

#### SuggestedRemedy

Suggest that subclause 96.5.1 be merged in to subclause 96.9.2.2 as follows.

[1] In subclause 96.9.2.2 change 'A system integrating the 100BASE-T1 PHY shall comply with all applicable local and national codes, or as agreed to between the customer and the supplier, for the limitation of electromagnetic interference.' to read 'A system integrating the 100BASE-T1 PHY shall comply with applicable local and national codes. In addition, the system may need to comply with more stringent requirements as agreed upon between customer and supplier, for the limitation of electromagnetic interference.'.

[2] Delete subclause 96.5.1.

[3] Delete PICS item PME1.

[4] Ensure that PICS item ES4 is aligned to this new text since this change would overcome my other comment on ES4.

Proposed Response Response Status O

C/ <b>96</b>	SC 96.9.2.2	P <b>89</b>	L <b>28</b>	# r01-36
Law, David		Hewlett-Packard Ltd		

### Comment Type TR Comment Status X

Subclause 96.9.2.2 'Electromagnetic Compatibility' states that 'A 100BASE-T1 PHY shall be tested according to IEC CISPR 25 test methods defined to measure the PHY's EMC performance in terms of RF immunity and RF emissions.'. The following sentence in this subclause then states that 'When used in an automotive environment, a 100BASE-T1 PHY shall meet the following motor vehicle EMC requirements:' and then lists IEC CISPR 25 in item (a).

This seems to state that all 100BASE-T1 PHYs have to be tested using the IEC CISPR 25 test methods, but only 100BASE-T1 PHYs that are used in an automotive environment need to meet the limits of IEC CISPR 25, with no indication of any limits for non-automotive applications.

Further, since IEC CISPR 25 is 'Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of onboard receivers.' I don't think a requirement to be tested according to IEC CISPR 25 should be placed on all 100BASE-T applications, only where it is being used in an automotive application.

### SuggestedRemedy

[1] Suggest the sentence 'A 100BASE-T1 PHY shall be tested according to IEC CISPR 25 test methods defined to measure the PHY's EMC performance in terms of RF immunity and RF emissions.' be deleted as the following sentence mandates meeting the requirements of IEC CISPR 25 which will include the test methods.

[2] Delete item ES5 from the PICS.

Proposed Response Response Status **O**