#### Comment 125, Clause 154 PICS

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#### Comment 125

154.11 lists the Protocol implementation conformance statement (PICS) proforma

Sections 154.11.3 Major capabilities/options and 154.11.4 PMD functional specifications have incomplete tables.

In reviewing other amendments required sections may be missing from the current draft.

This presentation proposes values to complete the blank tables and proposes the creatation of four new tables and thier associated values.

#### 154.11.3

154.11.3	Major capabilities/options				
Item	Feature	Subclause	Value/Comment	Status	Support
			Device supports requirements for 100GBASE-ZR		Yes []
ZR	100GBASE-ZR	154.7	PHY	0.1	No [ ]
			This point may be made available for use by		
	Reference point TP1 exposed		implementers to certify component		Yes [ ]
TP1	and available for testing	154.5.3	conformance	0	No [ ]
			This point may be made available for use by		
	Reference point TP4 exposed		implementers to certify component		Yes [ ]
TP4	and available for testing	154.5.3	conformance	0	No [ ]
					Yes [ ]
DC	Delay constraints	154.3.1	Device conforms to delay constraints	M	
			Device conforms to Skew and Skew Variation		Yes [ ]
SC	Skew constraints	154.3.2	constraints	M	
					Yes [ ]
MD	MDIO capability	154.4	Registers and interface supported	0	No [ ]

## 154.11.4.1

154.11.4.1	PMD functional specifications				
Item	Feature	Subclause	Value/Comment	Status	Support
	Compatible with 100GBASE-ZR				
F1	PCS and PMA	154.1		M	Yes [ ]
	Integration with management				Yes [ ]
F2	functions			0	No [ ]
F3	Bit error ratio	154.1.1	Meets BER specified in 154.1.1	М	Yes [ ]
			Conveys symbols from PMD service interface to		
F4	Transmit function	154.5.2	MDI	M	Yes [ ]
			Conveys symbols from PMD service interface to		
F5	Receive function	154.5.3	MDI	M	Yes [ ]
			Report to the PMD service interface the		
			message PMD:IS_SIGNAL.indication		Yes [ ]
F6	Global signal detect function	154.5.4	(SIGNAL_DETECT)	0	No [ ]
					Yes [ ]
F7	PMD reset function	154.5.5	Resets the PMD sublayer	0	No [ ]
	Transmitter nominal center		Controls the transmitter center frequency via		Yes [ ]
F8	frequency	154.6	the Tx_optical_channel_index variable	0	No [ ]
	Receiver nominal center		Controls the receiver center frequency via the		Yes [ ]
F9	frequency	154.6	Rx_optical_channel_index variable	0	No [ ]

## 154.11.4.2

154.11.4.2	Management Functions				
Item	Feature	Subclause	Value/Comment	Status	Support
					Yes [ ]
M1	Management register set	154.4		MD:M	No [ ]
			Disables the optical transmitter with the		Yes [ ]
	PMD global transmit disable		PMD_global_transmit_disable		No [ ]
M2	function	154.5.6	variable	MD:O	N/A [ ]
					Yes [ ]
			Sets PMD_transmit_fault to one if a local fault is		No [ ]
M3	PMD fault function	154.5.7	detected	MD:O	N/A [ ]
					Yes [ ]
			Sets PMD_transmit_fault to one if a local fault is		No [ ]
M4	PMD transmit fault function	154.5.8	detected	MD:O	N/A [ ]
					Yes [ ]
			Sets PMD_receive_fault to one if a local fault is		No [ ]
M5	PMD receive fault function	154.5.9	detected	MD:O	N/A [ ]
			Reports the ability to operate with different Tx		Yes [ ]
	PMD receive center frequency		and Rx center frequencies via the		No [ ]
M6	ability	154.6	Tx_Rx_diff_opt_channel_ability variable	MD:O	N/A [ ]

#### 154.11.4.3 and 154.11.4.4

	PMD to MDI optical				
154.11.4.3	specifications for 100GBASE-ZR				
Item	Feature	Subclause	Value/Comment	Status	Support
item	Transmitter meets	Jubilause	value/ comment	Status	Yes []
ZR1	specifications in Table 154-8	154.7.1	Per definitions in 154.8	м	N/A []
	Reciever meets specifications				Yes [ ]
ZR2	in Table 154-9	154.7.2	Per definitions in 154.9	M	N/A [ ]
154.11.4.4	Optical measurement methods				
Item	Feature	Subclause	Value/Comment	Status	Support
OM1	Measurement cable	154.8	2 m to 5 m in length	M	Yes [ ]
	Optical center frequency				
	(wavelength) and side-mode				
OM2	suppression ratio (SMSR)	154.8.2	Per definitions in table 154.12	M	Yes [ ]
OM3	Average channel output power	154.8.3	Per definitions in table 154.12	M	Yes [ ]
OM4	Error vector magnitude	154.8.9	Per definitions in table 154.8	M	Yes [ ]
OM5	I-Q offset	154.8.10	Per definitions in table 154.8	M	Yes [ ]
OM6	OSNR(193.6) [amplified]	154.8.14	Per definitions in table 154.9	М	Yes [ ]
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#### 154.11.4.5 and 154.11.4.6

154.11.4.5	Environmental specifications				
Item	Feature	Subclause	Value/Comment	Status	Support
ES1	General safety	154.9.1	Conforms to IEC 60950-1	М	Yes [ ]
ES2	Laser safety	154.9.2	Conforms to Hazard Level 1 laser requirements defined in IEC 60825-1 and IEC 60825-2	М	Yes [ ]
	Temperature, humidity, and		Complies with applicable local and national codes for the limitation of electromagnetic		
ES3	hand	154.9.5	interference	M	Yes [ ]
154.11.4.6	Characteristics of Black Link and MDI				
Item	Feature	Subclause	Value/Comment	Status	Support
OC1	Black Link Requirements	154.8	Meets the requirements in Table 154-10	М	Yes [ ]
OC2	MDI requirements	154.10	Meets IEC 61753-1-1 and IEC 61753-021-2	INS:M	Yes [ ] N/A [ ]

# Thanks!