

10PASS-T

Suggested Clause 30 object name	Reference	Description	Units	Values	R/W	C45 requirements	C45 exists in	Comments
PhySide	VDSL MIB vdsIPhysSide	a SEQUENCE that Identifies whether the PHY is the LT (CO) or NT (customer) side	string	NT, LT	R/W	1 bit at PCS MMD	D1.3?	
PHYCurrentStatus	VDSL MIB CurrStatus	a ?SEQUENCE? that indicates the current operational state of the PHY.		noDefect lossOfFraming lossOfSignal lossOfPower lossOfSignalQuality lossOfLink dataInitFailure configInitFailure protocolInitFailure noPeerVtuPresent	There no defects on the line Vtu failure due to not receiving a valid frame. Vtu failure due to not receiving signal. Vtu failure due to loss of power. Loss of Signal Quality is declared when the Noise Margin falls below the Minimum Noise Margin, or the bit-error-rate exceeds 10^-7. Vtu failure due to inability to link with peer Vtu. Set whenever the transceiver is in the 'Warm Start' state. Vtu failure during initialization due to bit errors corrupting startup exchange data. Vtu failure during initialization due to peer Vtu not able to support requested configuration. Vtu failure during initialization due to incompatible protocol used by the peer Vtu. Vtu failure during initialization due to no activation sequence detected from peer Vtu.	RO	10 bit reg at PMA/PMD	no
PMACorrectedOctets	VDSL MIB vdsIChanCorrectedOctets	a generalized nonresettable counter that counts the number of received octets corrected by the FEC function in the PMA	octets		CR	a register	yes	
PMAUncorrectable Blocks	VDSL MIB vdsIChanUncorrectBkls	a generalized nonresettable counter that counts the number of FEC blocks received at the PHY that are determined to be uncorrectable	blocks		CR	a register	?	
PMDCarrier1SNR	VDSL MIB vdsISCMPhysBandSnrMgn	Noise margin as seen by this Vtu and band with respect to its received signal in 0.25 dB	dB		RO		yes	
PMDCarrier2SNR	VDSL MIB vdsISCMPhysBandSnrMgn	Noise margin as seen by this Vtu and band with respect to its received signal in 0.25 dB	dB		RO		yes	
PMDRXPowerLevelCarrier1	Clause 45 RX Power Level register	Power level seen at the PHY reciever in the dBm carrier 1 frequency band			RO		yes	
PMDRXPowerLevelCarrier2	Clause 45 RX Power Level register	Power level seen at the PHY reciever in the dBm carrier 2 frequency band			RO		yes	
PMDInterleaverDepth	vdsISCMConfProfileInterleaveDepth	Specifies the interleaving depth		Options are s/8, s/4, or s/2	r/w		yes	
PMDInterleaverBlockSize	vdsISCMConfProfileSlowBlockSize	Specifies the slow channel interleaved block size. Options are s/8, s/4, or s/2			r/w		yes	
MCM Only								
	vdsIMCMConfProfileTxWindowLength	Specifies the length of the transmit window, counted in samples at the sampling rate corresponding to the negotiated value of N.			r/w		no	
Profile select for 10PASS-T BandNotchProfile	see Annex 62A	selects the egress control band notch profile		a number 1-4 corresponding to the notches listed in Annex 62A	r/w		yes	
PayloadRateProfileUpstream		selects the desired upstream data rate	kbps	a number 0 to 100 in 0.25 increments	r/w		indirectly	
PayloadRateProfileDownstream		selects the desired downstream data rate	kbps	a number 0 to 100 in 0.25 increments	r/w		indirectly	
BandplanPSDMaskProfile								
Profile select for 2BASE-T TBD	see Annex 63A							