

10PASS-T		EFM Cu Management C30 and C45 rename Vtu with PHY						
Suggested Clause 30 object name	Reference	Description	Units	Values	R/W	C45 requirements	C45 exists in D1.3?	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	?	
PHYCurrentStatus	VDSL MIB CurrStatus	a ?SEQUENCE? that indicates the current operational state of the PHY .		noDefect	There no defects on the line	RO	10 bit reg at PMA/PMD	no
				lossOfFraming	Vtu failure due to not receiving a valid frame.			
				lossOfSignal	Vtu failure due to not receiving signal.			
				lossOfPower	Vtu failure due to loss of power.			
				lossOfSignalQuality	Loss of Signal Quality is declared when the Noise Margin falls below the Minimum Noise Margin, or the bit-error-rate exceeds 10^-7.			
				lossOfLink	Vtu failure due to inability to link with peer Vtu. Set whenever the transceiver is in the 'Warm Start' state.			
				dataInitFailure	Vtu failure during initialization due to bit errors corrupting startup exchange data.			
				configInitFailure	Vtu failure during initialization due to peer Vtu not able to support requested configuration.			
		protocolInitFailure	Vtu failure during initialization due to incompatible protocol used by the peer Vtu.					
		noPeerVtuPresent	Vtu failure during initialization due to no activation sequence detected from peer Vtu.					
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 vdsIChanUncorrectBlks	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 carrier 1 frequency band	dBm		RO		yes	
PMDRXPowerLevelCarrier2	Clause 45 RX Power Level register	Power level seen at the PHY reciever in the carrier 2 frequency band	dBm		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						