| | | | DTE | | | | | | | | | | | | | | | | Repeater | | | | | MAU | | | | | | | | | WIS | | | Auto Neg | DTE Power via MDI | PSE | | Midspan | PME | | | | | | | | | | | | | | | |

			DTE														Repeater					MAU								WIS			Auto Neg	DTE Power via MDI		Midspan	PME											
			Basic Package (Mandatory)	Mandatory Package (Mandatory)	Recommended Package (Optional)	Optional Package (Optional)	Array Package (Optional)	Excessive Deferral Package (Optional)	Multiple PHY Package (Optional)	100/1000 Mb/s Monitor Capability (Optional)	Aggregation Port Statistics (Optional)	Aggregation Port Debug Information (Optional)	Multiplexer Control Protocol Package (Conditional)	Operation Administration Maintenance Package (Conditional)	Optical Multipoint Emulation Package (Conditional)	Multipoint Control Protocol Package (Optional)	Basic Control Capability (Mandatory)	Performance Monitor Capability (Optional)	Address Tracking Capability (Optional)	100/1000 Mb/s Monitor Capability (Optional)	1000 Mb/s Burst Monitor Capability (Cond.)	Basic Package (Mandatory)	MAU Control Package (Optional)	Media Loss Tracking Package (Conditional)	Broadband DTE MAU Package (Conditional)	MII Capability (Conditional)	PHY Error Monitor Capability (Optional)	10GBASE-T Operating Margin package	PCS Code Error Monitor Capability (Optional)	Forward Error Correction Package (Conditional)	WIS Basic Package (Mandatory)	WIS Recommended Package (Optional)	Auto Negotiation Package (Mandatory)	PSE Basic Package (Mandatory)	PSE Recommended Package (Optional)	Midspan Basic Capability (Mandatory)		PME Aggregation Package (Mandatory)		5, 19 & 20 ROOT	BRANCH	LEAF	Clause 30 ROOT Pre IEEE 802.3-2005	BRANCH	LEAF	Clause 30 ROOT Post IEEE 802.3-2005	BRANCH	LEAF	Comments
aMPCPID	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	351}	{1 0 8802 3 30	7	351}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPAdminState	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	277}	{1 0 8802 3 30	7	278}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPMode	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	278}	{1 0 8802 3 30	7	279}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPLinkID	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	281}	{1 0 8802 3 30	7	282}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPRemoteMACAddress	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	282}	{1 0 8802 3 30	7	283}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPRegistrationState	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	283}	{1 0 8802 3 30	7	284}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPMACCtrlFramesTransmitted	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	279}	{1 0 8802 3 30	7	280}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPMACCtrlFramesReceived	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	280}	{1 0 8802 3 30	7	281}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPTxGate	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	315}	{1 0 8802 3 30	7	315}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPTxRegAck	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	316}	{1 0 8802 3 30	7	316}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPTxRegister	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	317}	{1 0 8802 3 30	7	317}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPTxRegRequest	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	318}	{1 0 8802 3 30	7	318}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPTxReport	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	319}	{1 0 8802 3 30	7	319}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPRxGate	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	320}	{1 0 8802 3 30	7	320}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPRxRegAck	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	321}	{1 0 8802 3 30	7	321}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPRxRegister	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	322}	{1 0 8802 3 30	7	322}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPRxRegRequest	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	323}	{1 0 8802 3 30	7	323}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPRxReport	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	324}	{1 0 8802 3 30	7	324}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPTransmitElapsed	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	284}	{1 0 8802 3 30	7	285}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPReceiveElapsed	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	285}	{1 0 8802 3 30	7	286}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPRoundTripTime	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	286}	{1 0 8802 3 30	7	287}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPDiscoveryWindowsSent	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	287}	{1 0 8802 3 30	7	288}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPDiscoveryTimeout	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	289}	{1 0 8802 3 30	7	290}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aMPCPMaximumPendingGrants	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	290}	{1 0 8802 3 30	7	291}	NEW for IEEE P802.3ah - Ethernet in the First Mile
acMPCPAdminContro	ACTION											X																																{1 2 840 10006 30	9	16}	{1 0 8802 3 30	9	16}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAM (30.3.6)																																												{1 2 840 10006 30	3	20}	{1 0 8802 3 30	3	20}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMID	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	236}	{1 0 8802 3 30	7	236}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMAdminState	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	237}	{1 0 8802 3 30	7	237}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMMode	ATTRIBUTE	GET-SET											X																																{1 2 840 10006 30	7	238}	{1 0 8802 3 30	7	238}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMDiscoveryState	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	333}	{1 0 8802 3 30	7	333}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteMACAddress	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	239}	{1 0 8802 3 30	7	239}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalConfiguration	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	334}	{1 0 8802 3 30	7	334}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteConfiguration	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	240}	{1 0 8802 3 30	7	240}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalPDUConfiguration	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	335}	{1 0 8802 3 30	7	335}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemotePDUConfiguration	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	241}	{1 0 8802 3 30	7	241}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalFlagsField	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	242}	{1 0 8802 3 30	7	242}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteFlagsField	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	243}	{1 0 8802 3 30	7	243}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalRevision	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	336}	{1 0 8802 3 30	7	336}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteRevision	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	244}	{1 0 8802 3 30	7	244}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalState	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	337}	{1 0 8802 3 30	7	337}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteState	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	245}	{1 0 8802 3 30	7	245}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteVendorOUI	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	246}	{1 0 8802 3 30	7	246}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteVendorSpecificInfo	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	247}	{1 0 8802 3 30	7	247}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMUnsupportedCodesTx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	338}	{1 0 8802 3 30	7	338}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMUnsupportedCodesRx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	250}	{1 0 8802 3 30	7	250}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMInformationTx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	251}	{1 0 8802 3 30	7	251}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMInformationRx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	252}	{1 0 8802 3 30	7	252}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMUniqueEventNotificationTx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	339}	{1 0 8802 3 30	7	339}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMDuplicateEventNotificationTx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	340}	{1 0 8802 3 30	7	340}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMUniqueEventNotificationRx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	254}	{1 0 8802 3 30	7	254}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMDuplicateEventNotificationRx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	255}	{1 0 8802 3 30	7	255}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLoopbackControlTx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	256}	{1 0 8802 3 30	7	256}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLoopbackControlRx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	257}	{1 0 8802 3 30	7	257}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMVariableRequestTx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	258}	{1 0 8802 3 30	7	258}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMVariableRequestRx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	259}	{1 0 8802 3 30	7	259}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMVariableResponseTx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	260}	{1 0 8802 3 30	7	260}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMVariableResponseRx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	261}	{1 0 8802 3 30	7	261}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMOrganizationSpecificTx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	262}	{1 0 8802 3 30	7	262}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMOrganizationSpecificRx	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	263}	{1 0 8802 3 30	7	263}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalErrSymPeriodConfig	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	264}	{1 0 8802 3 30	7	264}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalErrSymPeriodEvent	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	265}	{1 0 8802 3 30	7	265}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalErrFrameConfig	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	266}	{1 0 8802 3 30	7	266}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalErrFrameEvent	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	267}	{1 0 8802 3 30	7	267}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalErrFramePeriodConfig	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	268}	{1 0 8802 3 30	7	268}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalErrFramePeriodEvent	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	269}	{1 0 8802 3 30	7	269}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMLocalErrFrameSecsSummaryCo	ATTRIBUTE	GET											X																																{1 2 840 10006 30	7	270}	{1 0 8802 3 30	7	270}	NEW for IEEE P802.3ah - Ethernet in the First Mile

			DTE																Repeater					MAU									WIS			Auto Neg	DTE Power via MDI	PME			PME Aggregation Package (Mandatory)		5, 19 & 20 ROOT	BRANCH	LEAF	Clause 30 ROOT Pre IEEE 802.3-2005	BRANCH	LEAF	Clause 30 ROOT Post IEEE 802.3-2005	BRANCH	LEAF	Comments
			Basic Package (Mandatory)	Mandatory Package (Mandatory)	Recommended Package (Optional)	Optional Package (Optional)	Array Package (Optional)	Frame Checks Optional Package (Optional)	Multiple PHY Package (Optional)	100/1000 Mb/s Monitor Capability (Optional)	Aggregation Port Statistics (Optional)	Aggregation Port Protocol Diagnostics (Optional)	Multiport Repeater Protocol Package (Conditional)	Operation Administration Maintenance Package (Conditional)	Optical Multiport Emulation Package (Conditional)	Basic Control Capability (Mandatory)	Basic Control Capability (Mandatory)	Performance Monitor Capability (Optional)	Address Tracking Capability (Optional)	100/1000 Mb/s Monitor Capability (Optional)	1000 Mb/s Burst Monitor Capability (Cond.)	Basic Package (Mandatory)	MAU Control Package (Optional)	Media Loss Tracking Package (Conditional)	Broadband DTE MAU Package (Conditional)	MII Capability (Conditional)	PHY Error Monitor Capability (Optional)	10GBASE-T Operating Margin package	PCS Code Error Monitor Capability (Optional)	Toward Error Correction Package (Conditional)	WIS Basic Package (Mandatory)	WIS Recommended Package (Optional)	Auto Negotiation Package (Mandatory)	PSE Basic Package (Mandatory)	PSE Recommended Package (Optional)	Midspan Basic Capability (Mandatory)													
aOAMLocalErrFrameSecsSummaryEve	ATTRIBUTE	GET												X																													{1 2 840 10006 30	7	271}	{1 0 8802 3 30	7	271}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteErrSymPeriodEvent	ATTRIBUTE	GET												X																													{1 2 840 10006 30	7	272}	{1 0 8802 3 30	7	272}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteErrFrameEvent	ATTRIBUTE	GET												X																													{1 2 840 10006 30	7	273}	{1 0 8802 3 30	7	273}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteErrFramePeriodEvent	ATTRIBUTE	GET												X																													{1 2 840 10006 30	7	274}	{1 0 8802 3 30	7	274}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOAMRemoteErrFrameSecsSummaryE	ATTRIBUTE	GET												X																													{1 2 840 10006 30	7	275}	{1 0 8802 3 30	7	275}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aFramesLostDueToOAMError	ATTRIBUTE	GET												X																													{1 2 840 10006 30	7	276}	{1 0 8802 3 30	7	276}	NEW for IEEE P802.3ah - Ethernet in the First Mile
acOAMAdminContro	ACTION													X																													{1 2 840 10006 30	9	15}	{1 0 8802 3 30	9	15}	NEW for IEEE P802.3ah - Ethernet in the First Mil
oOMPEmulation (30.3.7)																																											{1 2 840 10006 30	3	19}	{1 0 8802 3 30	3	19}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOMPEmulationID	ATTRIBUTE	GET											X																														{1 2 840 10006 30	7	231}	{1 0 8802 3 30	7	231}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOMPEmulationType	ATTRIBUTE	GET											X																														{1 2 840 10006 30	7	232}	{1 0 8802 3 30	7	232}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aSLDErrors	ATTRIBUTE	GET											X																														{1 2 840 10006 30	7	233}	{1 0 8802 3 30	7	233}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aCRC8Errors	ATTRIBUTE	GET											X																														{1 2 840 10006 30	7	234}	{1 0 8802 3 30	7	234}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aGoodLLID	ATTRIBUTE	GET													X																												{1 2 840 10006 30	7	341}	{1 0 8802 3 30	7	341}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aONUPONcastLLID	ATTRIBUTE	GET													X																												{1 2 840 10006 30	7	342}	{1 0 8802 3 30	7	342}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOLTPONcastLLID	ATTRIBUTE	GET													X																												{1 2 840 10006 30	7	343}	{1 0 8802 3 30	7	343}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aBadLLID	ATTRIBUTE	GET													X																												{1 2 840 10006 30	7	235}	{1 0 8802 3 30	7	235}	NEW for IEEE P802.3ah - Ethernet in the First Mil
oRepeater																																										{1 2 840 10006 19	3	1}	{1 2 840 10006 30	3	3}	{1 0 8802 3 30	3	3}	
aRepeaterID	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	13}	{1 2 840 10006 30	7	38}	{1 0 8802 3 30	7	38}	
aRepeaterType	ATTRIBUTE	GET														X																													{1 2 840 10006 30	7	39}	{1 0 8802 3 30	7	39}	NEW for IEEE P802.3u - 100BASE-T.
aRepeaterGroupCapacity	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	14}	{1 2 840 10006 30	7	40}	{1 0 8802 3 30	7	40}	
aGroupMap	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	15}	{1 2 840 10006 30	7	41}	{1 0 8802 3 30	7	41}	
aRepeaterHealthState	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	16}	{1 2 840 10006 30	7	42}	{1 0 8802 3 30	7	42}	
aRepeaterHealthText	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	17}	{1 2 840 10006 30	7	43}	{1 0 8802 3 30	7	43}	
aRepeaterHealthData	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	18}	{1 2 840 10006 30	7	44}	{1 0 8802 3 30	7	44}	
aTransmitCollisions	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	19}	{1 2 840 10006 30	7	45}	{1 0 8802 3 30	7	45}	
acResetRepeater	ACTION															X																											{1 2 840 10006 19	9	40}	{1 2 840 10006 30	9	6}	{1 0 8802 3 30	9	6}	
acExecuteNonDisruptiveSelfTest	ACTION															X																											{1 2 840 10006 19	9	41}	{1 2 840 10006 30	9	7}	{1 0 8802 3 30	9	7}	
nRepeaterHealth	NOTIFICATION															X																											{1 2 840 10006 19	10	43}	{1 2 840 10006 30	10	1}	{1 0 8802 3 30	10	1}	
nRepeaterReset	NOTIFICATION															X																											{1 2 840 10006 19	10	44}	{1 2 840 10006 30	10	2}	{1 0 8802 3 30	10	2}	
nGroupMapChange	NOTIFICATION															X																											{1 2 840 10006 19	10	45}	{1 2 840 10006 30	10	3}	{1 0 8802 3 30	10	3}	
oGroup																																											{1 2 840 10006 19	3	2}	{1 2 840 10006 30	3	4}	{1 0 8802 3 30	3	4}	
aGroupID	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	20}	{1 2 840 10006 30	7	46}	{1 0 8802 3 30	7	46}	
aGroupPortCapacity	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	21}	{1 2 840 10006 30	7	47}	{1 0 8802 3 30	7	47}	
aPortMap	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	22}	{1 2 840 10006 30	7	48}	{1 0 8802 3 30	7	48}	
nPortMapChange	NOTIFICATION															X																											{1 2 840 10006 19	10	46}	{1 2 840 10006 30	10	4}	{1 0 8802 3 30	10	4}	
oRepeaterPort																																											{1 2 840 10006 19	3	3}	{1 2 840 10006 30	3	5}	{1 0 8802 3 30	3	5}	
aPortID	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	23}	{1 2 840 10006 30	7	49}	{1 0 8802 3 30	7	49}	
aPortAdminState	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	24}	{1 2 840 10006 30	7	50}	{1 0 8802 3 30	7	50}	
aAutoPartitionState	ATTRIBUTE	GET														X																											{1 2 840 10006 19	7	25}	{1 2 840 10006 30	7	51}	{1 0 8802 3 30	7	51}	
aReadableFrames	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	26}	{1 2 840 10006 30	7	52}	{1 0 8802 3 30	7	52}	
aReadableOctets	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	27}	{1 2 840 10006 30	7	53}	{1 0 8802 3 30	7	53}	
aFrameCheckSequenceErrors	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	28}	{1 2 840 10006 30	7	54}	{1 0 8802 3 30	7	54}	
aAlignmentErrors	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	29}	{1 2 840 10006 30	7	55}	{1 0 8802 3 30	7	55}	
aFramesTooLong	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	30}	{1 2 840 10006 30	7	56}	{1 0 8802 3 30	7	56}	
aShortEvents	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	31}	{1 2 840 10006 30	7	57}	{1 0 8802 3 30	7	57}	Different context for 100 MB/s
aRunts	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	32}	{1 2 840 10006 30	7	58}	{1 0 8802 3 30	7	58}	
aCollisions	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	33}	{1 2 840 10006 30	7	59}	{1 0 8802 3 30	7	59}	
aLateEvents	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	34}	{1 2 840 10006 30	7	60}	{1 0 8802 3 30	7	60}	
aVeryLongEvents	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	35}	{1 2 840 10006 30	7	61}	{1 0 8802 3 30	7	61}	
aDataRateMismatches	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	36}	{1 2 840 10006 30	7	62}	{1 0 8802 3 30	7	62}	
aAutoPartitions	ATTRIBUTE	GET															X																										{1 2 840 10006 19	7	37}	{1 2 840 10006 30	7	63}	{1 0 8802 3 30	7	63}	
aIsolates	ATTRIBUTE	GET																		X																								{1 2 840 10006 30	7	64}	{1 0 8802 3 30	7	64}	NEW for IEEE P802.3u - 100BASE-T.
aSymbolErrorDuringPacket	ATTRIBUTE	GET																		X																								{1 2 840 10006 30	7	65}	{1 0 8802 3 30	7	65}	NEW for IEEE P802.3u - 100BASE-T.
aLastSourceAddress	ATTRIBUTE	GET																			X																							{1 2 840 10006 19	7	38}	{1 2 840 10006 30	7	66}	{1 0 8802 3 30	7	66}	
aSourceAddressChanges	ATTRIBUTE	GET																			X																							{1 2 840 10006 19	7	39}	{1 2 840 10006 30	7	67}	{1 0 8802 3 30	7	67}	
aBursts	ATTRIBUTE	GET																				X																							{1 2 840 10006 30	7	100}	{1 0 8802 3 30	7	100}	NEW for IEEE P802.3z - 1Gb/s Ethernet (appeared incorrectly as {... 7 68} in D4.0)
acPortAdminContro	ACTION															X																											{1 2 840 10006 19	9	42}	{1 2 840 10006 30	9	8}	{1 0 8802 3 30	9	8}	
oMAU																																											{1 0 8802 3 20	3	201}	{1 2 840 10006 30	3	6}	{1 0 8802 3 30	3	6}	
aMAUID	ATTRIBUTE	GET																					X																				{1 0 8802 3 20	7	207}	{1 2 840 10006 30	7	68}	{1 0 8802 3 30	7	68}	
aMAUType	ATTRIBUTE	GET-SET																					X																				{1 0 8802 3 20	7	208}	{1 2 840 10006 30	7	69}	{1 0 8802 3 30	7	69}	GET-SET, & add'l enumerations for 100 MB/s
aMAUTypeList	ATTRIBUTE	GET																					X																							{1 2 840 10006 30	7	70}	{1 0 8802 3 30	7	70}	NEW for IEEE P802.3u - 100BASE-T.
aMediaAvailable	ATTRIBUTE	GET																					X																				{1 0 8802 3 20	7	209}	{1 2 840 10006 30	7	71}	{1 0 8802 3 30	7	71}	Additional Behaviour Text for 100 MB/s
aLoseMediaCounter	ATTRIBUTE	GET																						X																				{1 0 8802 3 20	7	201}	{1 2 840 10006 30	7	72}	{1 0 8802 3 30	7	72}	intended to be 210 in 20 (value is unique and deprecated so don't correct)
aJabber	ATTRIBUTE	GET																					X																				{1 0 8802 3 20	7	211}	{1 2 840 10006 30	7	73}	{1 0 8802 3 30	7	73}	
aMAUAdminState	ATTRIBUTE	GET																					X																				{1 0 8802 3 20	7	212}	{1 2 840 10006 30	7	74}	{1 0 8802 3 30	7	74}	

| | | | DTE | | | | | | | | | | | | Repeater | | | | | MAU | | | | | | | | | WIS | | | Auto Neg | DTE Power via MDI | | Midspan | PME | | | | | | | | | | | |

			DTE															Repeater					MAU									WIS		Auto Neg	DTE Power via MDI		Midspan	PME														
			Basic Package (Mandatory)	Mandatory Package (Mandatory)	Recommended Package (Optional)	Optional Package (Optional)	Array Package (Optional)	Excess Deferral Package (Optional)	Multiple PHY Package (Optional)	100/1000 Mb/s Monitor Capability (Optional)	Aggregation Port Statistics (Optional)	Aggregation Port Protocol Diagnostics (Optional)	Aggregation Port Debug Information (Optional)	Multiport Control Protocol Package (Conditional)	Operation Administration Maintenance Package (Conditional)	Optical Multiport Emulation Package (Conditional)	Basic Control Capability (Mandatory)	Basic Control Capability (Mandatory)	Performance Monitor Capability (Optional)	Address Tracking Capability (Optional)	100/1000 Mb/s Monitor Capability (Optional)	1000 Mb/s Burst Monitor Capability (Cond.)	Basic Package (Mandatory)	MAU Control Package (Optional)	Media Loss Tracking Package (Conditional)	Broadband DTE MAU Package (Conditional)	MII Capability (Conditional)	PHY Error Monitor Capability (Optional)	10GBASE-T Operating Margin package	PCS Code Error Monitor Capability (Optional)	Toward Error Correction Package (Conditional)	WIS Basic Package (Mandatory)	WIS Recommended Package (Optional)	Auto Negotiation Package (Mandatory)	PSE Basic Package (Mandatory)	PSE Recommended Package (Optional)	Midspan Basic Capability (Mandatory)			PME Aggregation Package (Mandatory)		5, 19 & 20 ROOT	BRANCH	LEAF	Clause 30 ROOT Pre IEEE 802.3-2005	BRANCH	LEAF	Clause 30 ROOT Post IEEE 802.3-2005	BRANCH	LEAF	Comments
aAggPortActorSystemPriority	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	134}	{1 0 8802 3 30	7	134}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortActorSystemID	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	135}	{1 0 8802 3 30	7	135}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortActorAdminKey	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	136}	{1 0 8802 3 30	7	136}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortActorOperKey	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	137}	{1 0 8802 3 30	7	137}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerAdminSystemPriority	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	138}	{1 0 8802 3 30	7	138}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerOperSystemPriority	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	139}	{1 0 8802 3 30	7	139}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerAdminSystemID	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	140}	{1 0 8802 3 30	7	140}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerOperSystemID	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	141}	{1 0 8802 3 30	7	141}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerAdminKey	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	142}	{1 0 8802 3 30	7	142}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerOperKey	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	143}	{1 0 8802 3 30	7	143}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortSelectedAggID	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	144}	{1 0 8802 3 30	7	144}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortAttachedAggID	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	145}	{1 0 8802 3 30	7	145}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortActorPort	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	146}	{1 0 8802 3 30	7	146}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortActorPortPriority	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	147}	{1 0 8802 3 30	7	147}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerAdminPort	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	148}	{1 0 8802 3 30	7	148}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerOperPort	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	149}	{1 0 8802 3 30	7	149}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerAdminPortPriority	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	150}	{1 0 8802 3 30	7	150}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerOperPortPriority	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	151}	{1 0 8802 3 30	7	151}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortActorAdminState	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	152}	{1 0 8802 3 30	7	152}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortActorOperState	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	153}	{1 0 8802 3 30	7	153}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerAdminState	ATTRIBUTE	GET-SET	X																																									{1 2 840 10006 30	7	154}	{1 0 8802 3 30	7	154}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortPartnerOperState	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	155}	{1 0 8802 3 30	7	155}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortAggregateOrIndividua	ATTRIBUTE	GET	X																																									{1 2 840 10006 30	7	156}	{1 0 8802 3 30	7	156}	NEW for IEEE P802.3ad - Link Aggregation
oAggPortStats																																												{1 2 840 10006 30	3	12}	{1 0 8802 3 30	3	12}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortStatsID	ATTRIBUTE	GET									X																																	{1 2 840 10006 30	7	157}	{1 0 8802 3 30	7	157}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortStatsLACPDUsRx	ATTRIBUTE	GET									X																																	{1 2 840 10006 30	7	158}	{1 0 8802 3 30	7	158}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortStatsMarkerPDUsRx	ATTRIBUTE	GET									X																																	{1 2 840 10006 30	7	159}	{1 0 8802 3 30	7	159}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortStatsMarkerResponsePDUsR	ATTRIBUTE	GET									X																																	{1 2 840 10006 30	7	160}	{1 0 8802 3 30	7	160}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortStatsUnknownRx	ATTRIBUTE	GET									X																																	{1 2 840 10006 30	7	161}	{1 0 8802 3 30	7	161}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortStatsIllegalRx	ATTRIBUTE	GET									X																																	{1 2 840 10006 30	7	162}	{1 0 8802 3 30	7	162}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortStatsLACPDUsTx	ATTRIBUTE	GET									X																																	{1 2 840 10006 30	7	163}	{1 0 8802 3 30	7	163}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortStatsMarkerPDUsTx	ATTRIBUTE	GET									X																																	{1 2 840 10006 30	7	164}	{1 0 8802 3 30	7	164}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortStatsMarkerResponsePDUsT	ATTRIBUTE	GET									X																																	{1 2 840 10006 30	7	165}	{1 0 8802 3 30	7	165}	NEW for IEEE P802.3ad - Link Aggregation
oAggPortDebugInformation																																												{1 2 840 10006 30	3	13}	{1 0 8802 3 30	3	13}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortDebugInformationID	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	166}	{1 0 8802 3 30	7	166}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortDebugRxState	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	167}	{1 0 8802 3 30	7	167}	NEW for IEEE P802.3ad - Link Aggregation.
aAggPortDebugLastRxTime	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	168}	{1 0 8802 3 30	7	168}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 01
aAggPortDebugMuxState	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	169}	{1 0 8802 3 30	7	169}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 02
aAggPortDebugMuxReason	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	170}	{1 0 8802 3 30	7	170}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 02
aAggPortDebugActorChurnState	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	171}	{1 0 8802 3 30	7	171}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 02
aAggPortDebugPartnerChurnState	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	172}	{1 0 8802 3 30	7	172}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 02
aAggPortDebugActorChurnCount	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	173}	{1 0 8802 3 30	7	173}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 02
aAggPortDebugPartnerChurnCount	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	174}	{1 0 8802 3 30	7	174}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 02
aAggPortDebugActorSyncTransitionCo	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	175}	{1 0 8802 3 30	7	175}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 02
aAggPortDebugPartnerSyncTransitionC	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	176}	{1 0 8802 3 30	7	176}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 02
aAggPortDebugActorChangeCount	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	177}	{1 0 8802 3 30	7	177}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 02
aAggPortDebugPartnerChangeCoun	ATTRIBUTE	GET										X																																{1 2 840 10006 30	7	178}	{1 0 8802 3 30	7	178}	NEW for IEEE P802.3ad - Link Aggregation. Corrected 25 Jan 0.
oWIS																																												{1 2 840 10006 30	3	14}	{1 0 8802 3 30	3	14}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aWISID	ATTRIBUTE	GET																													X													{1 2 840 10006 30	7	181}	{1 0 8802 3 30	7	181}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aSectionStatus	ATTRIBUTE	GET																													X													{1 2 840 10006 30	7	182}	{1 0 8802 3 30	7	182}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aSectionSESThreshold	ATTRIBUTE	GET-SET																														X												{1 2 840 10006 30	7	183}	{1 0 8802 3 30	7	183}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aSectionSESs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	184}	{1 0 8802 3 30	7	184}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aSectionESs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	185}	{1 0 8802 3 30	7	185}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aSectionSEFSs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	186}	{1 0 8802 3 30	7	186}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aSectionCVs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	187}	{1 0 8802 3 30	7	187}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aJ0ValueTX	ATTRIBUTE	GET-SET																														X												{1 2 840 10006 30	7	188}	{1 0 8802 3 30	7	188}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aJ0ValueRX	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	189}	{1 0 8802 3 30	7	189}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aLineStatus	ATTRIBUTE	GET																													X													{1 2 840 10006 30	7	190}	{1 0 8802 3 30	7	190}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aLineSESThreshold	ATTRIBUTE	GET-SET																														X												{1 2 840 10006 30	7	191}	{1 0 8802 3 30	7	191}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aLineSESs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	192}	{1 0 8802 3 30	7	192}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aLineESs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	193}	{1 0 8802 3 30	7	193}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aLineCVs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	194}	{1 0 8802 3 30	7	194}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aFarEndLineSESs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	195}	{1 0 8802 3 30	7	195}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aFarEndLineESs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	196}	{1 0 8802 3 30	7	196}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aFarEndLineCVs	ATTRIBUTE	GET																														X												{1 2 840 10006 30	7	197}	{1 0 8802 3 30	7	197}	NEW for IEEE P802.3ae - 10Gb/s Ethernet
aPathStatus	ATTRIBUTE	GET																													X													{1 2 840 10006 30	7	198}	{1 0 8802 3 30	7	198}	NEW for IEEE P802.3ae - 10Gb/s Ethernet

			DTE															Repeater					MAU								WIS			Auto Neg	DTE Power via MDI	Midspan	PME																
			Basic Package (Mandatory)	Mandatory Package (Mandatory)	Recommended Package (Optional)	Optional Package (Optional)	Array Package (Optional)	Frames Transmitted Package (Optional)	Multiple PHY Package (Optional)	100/1000 Mb/s Monitor Capability (Optional)	Aggregation Port Statistics (Optional)	Aggregation Port Protocol Diagnostics (Optional)	Multiport Control Protocol Package (Conditional)	Operation Administration Maintenance Package (Conditional)	Optical Multiport Emulation Package (Conditional)	Basic Control Capability (Mandatory)	Basic Control Capability (Mandatory)	Basic Control Capability (Mandatory)	Performance Monitor Capability (Optional)	Address Tracking Capability (Optional)	100/1000 Mb/s Monitor Capability (Optional)	1000 Mb/s Burst Monitor Capability (Cond.)	Basic Package (Mandatory)	MAU Control Package (Optional)	Media Loss Tracking Package (Conditional)	Broadband DTE MAU Package (Conditional)	MII Capability (Conditional)	PHY Error Monitor Capability (Optional)	10GBASE-T Operating Margin package	PCS Code Error Monitor Capability (Optional)	Toward Error Correction Package (Conditional)	WIS Basic Package (Mandatory)	WIS Recommended Package (Optional)	Auto Negotiation Package (Mandatory)	PSE Basic Package (Mandatory)	PSE Recommended Package (Optional)	Midspan Basic Capability (Mandatory)	PME Aggregation Package (Mandatory)		5, 19 & 20 ROOT	BRANCH	LEAF	Clause 30 ROOT Pre IEEE 802.3-2005	BRANCH	LEAF	Clause 30 ROOT Post IEEE 802.3-2005	BRANCH	LEAF	Comments
aPathSESThreshold	ATTRIBUTE	GET-SET																														X																						
aPathSESs	ATTRIBUTE	GET																														X																						
aPathESs	ATTRIBUTE	GET																														X																						
aPathCVs	ATTRIBUTE	GET																														X																						
aJ1ValueTX	ATTRIBUTE	GET-SET																														X																						
aJ1ValueRX	ATTRIBUTE	GET																														X																						
aFarEndPathStatus	ATTRIBUTE	GET																													X																						
aFarEndPathSESs	ATTRIBUTE	GET																														X																						
aFarEndPathESs	ATTRIBUTE	GET																														X																						
aFarEndPathCVs	ATTRIBUTE	GET																														X																						
oPSE																																																						
aPSEID	ATTRIBUTE	GET																																X																					
aPSEAdminState	ATTRIBUTE	GET																																X																					
aPSEPowerPairsControlAbility	ATTRIBUTE	GET																																X																					
aPSEPowerPairs	ATTRIBUTE	GET-SET																																X																					
aPSEPowerDetectionStatus	ATTRIBUTE	GET																																X																					
aPSEPowerClassification	ATTRIBUTE	GET																																	X																				
aPSEInvalidSignatureCounter	ATTRIBUTE	GET																																	X																				
aPSEPowerDeniedCounter	ATTRIBUTE	GET																																	X																				
aPSEOverLoadCounter	ATTRIBUTE	GET																																	X																				
aPSEShortCounter	ATTRIBUTE	GET																																	X																				
aPSEMPSAbsentCounter	ATTRIBUTE	GET																																	X																				
acPSEAdminContro	ACTION																																	X																				
oMidSpan																																																						
aMidSpanID	ATTRIBUTE	GET																																		X																			
aMidSpanPSEGroupCapacity	ATTRIBUTE	GET																																		X																			
aMidSpanPSEGroupMap	ATTRIBUTE	GET																																		X																			
nMidSpanPSEGroupMapChange	NOTIFICATION																																			X																			
oPSEGroup																																																						
aPSEGroupID	ATTRIBUTE	GET																																			X																		
aPSECapacity	ATTRIBUTE	GET																																			X																		
aPSEMap	ATTRIBUTE	GET																																			X																		
nPSEMapChange	NOTIFICATION																																				X																		
Allocated to IEEE P802.3af but not used																																																						
Allocated to IEEE P802.3af but not use																																																						
Allocated to IEEE P802.3af but not use																																																						
Allocated to IEEE P802.3af but not use																																																						
Allocated to IEEE P802.3af but not use																																																						
Allocated to IEEE P802.3af but not use																																																						
Allocated to IEEE P802.3af but not use																																																						
oPAF (30.11.1)																																																						
aPAFID	ATTRIBUTE	GET																																				X																
aPhyEnd	ATTRIBUTE	GET																																				X																
aPHYCurrentStatus	ATTRIBUTE	GET																																				X																
aPAFSupported	ATTRIBUTE	GET																																				X																
aPAFAdminState	ATTRIBUTE	GET-SET																																					X															
aLocalPAFCapacity	ATTRIBUTE	GET																																					X															
aLocalPMEAvailable	ATTRIBUTE	GET																																					X															
aLocalPMEAggregate	ATTRIBUTE	GET																																					X															
aRemotePAFSupported	ATTRIBUTE	GET																																					X															
aRemotePAFCapacity	ATTRIBUTE	GET																																					X															
aRemotePMEAggregate	ATTRIBUTE	GET																																					X															
oPME (30.11.2)																																																						
aPMEID	ATTRIBUTE	GET																																							X												
aPMEAdminState	ATTRIBUTE	GET-SET																																							X												
aPMEStatus	ATTRIBUTE	GET																																							X												
aPMESNRMgn	ATTRIBUTE	GET																																							X												
aTCCodingViolations	ATTRIBUTE	GET																																							X												
aProfileSelect	ATTRIBUTE	GET-SET																																							X												
aOperatingProfile	ATTRIBUTE	GET																																							X												
aPMEFECCorrectedBlocks	ATTRIBUTE	GET																																							X												
aPMEFECUncorrectableBlocks	ATTRIBUTE	GET																																							X												
aTCCRCErrors	ATTRIBUTE	GET																																							X												
Allocated to IEEE P802.3ah but not used																																																						

	BRANCH	LEAF	Clause 30 ROOT Pre IEEE 802.3-2005	BRANCH	LEAF	Clause 30 ROOT Post IEEE 802.3-2005	BRANCH	LEAF	Comments
oPSE			{1 2 840 10006 30	3	15}	{1 0 8802 3 30	3	15}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEID			{1 2 840 10006 30	7	209}	{1 0 8802 3 30	7	209}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEAdminState			{1 2 840 10006 30	7	210}	{1 0 8802 3 30	7	210}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEPowerPairsControlAbility			{1 2 840 10006 30	7	211}	{1 0 8802 3 30	7	211}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEPowerPairs			{1 2 840 10006 30	7	212}	{1 0 8802 3 30	7	212}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEPowerDetectionStatus			{1 2 840 10006 30	7	214}	{1 0 8802 3 30	7	214}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEPowerClassification			{1 2 840 10006 30	7	215}	{1 0 8802 3 30	7	215}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEInvalidSignatureCounter			{1 2 840 10006 30	7	227}	{1 0 8802 3 30	7	227}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEPowerDeniedCounter			{1 2 840 10006 30	7	228}	{1 0 8802 3 30	7	228}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEOverLoadCounter			{1 2 840 10006 30	7	229}	{1 0 8802 3 30	7	229}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEShortCounter			{1 2 840 10006 30	7	230}	{1 0 8802 3 30	7	230}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEMPSAbsentCounter			{1 2 840 10006 30	7	217}	{1 0 8802 3 30	7	217}	NEW for IEEE P802.3af - DTE Power via MDI
acPSEAdminContro			{1 2 840 10006 30	9	13}	{1 0 8802 3 30	9	13}	NEW for IEEE P802.3af - DTE Power via MD
oMidSpan			{1 2 840 10006 30	3	17}	{1 0 8802 3 30	3	17}	NEW for IEEE P802.3af - DTE Power via MDI
aMidSpanID			{1 2 840 10006 30	7	221}	{1 0 8802 3 30	7	221}	NEW for IEEE P802.3af - DTE Power via MDI
aMidSpanPSEGroupCapacity			{1 2 840 10006 30	7	222}	{1 0 8802 3 30	7	222}	NEW for IEEE P802.3af - DTE Power via MDI
aMidSpanPSEGroupMap			{1 2 840 10006 30	7	223}	{1 0 8802 3 30	7	223}	NEW for IEEE P802.3af - DTE Power via MDI
nMidSpanPSEGroupMapChange			{1 2 840 10006 30	10	8}	{1 0 8802 3 30	10	8}	NEW for IEEE P802.3af - DTE Power via MD
oPSEGroup			{1 2 840 10006 30	3	18}	{1 0 8802 3 30	3	18}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEGroupID			{1 2 840 10006 30	7	224}	{1 0 8802 3 30	7	224}	NEW for IEEE P802.3af - DTE Power via MDI
aPSECapacity			{1 2 840 10006 30	7	225}	{1 0 8802 3 30	7	225}	NEW for IEEE P802.3af - DTE Power via MDI
aPSEMap			{1 2 840 10006 30	7	226}	{1 0 8802 3 30	7	226}	NEW for IEEE P802.3af - DTE Power via MDI
nPSEMapChange			{1 2 840 10006 30	10	9}	{1 0 8802 3 30	10	9}	NEW for IEEE P802.3af - DTE Power via MD
Allocated to IEEE P802.3af but not used			{1 2 840 10006 30	3	16}				NEW for IEEE P802.3af - DTE Power via MDI
Allocated to IEEE P802.3af but not use			{1 2 840 10006 30	7	213}				NEW for IEEE P802.3af - DTE Power via MDI
Allocated to IEEE P802.3af but not use			{1 2 840 10006 30	7	216}				NEW for IEEE P802.3af - DTE Power via MDI
Allocated to IEEE P802.3af but not use			{1 2 840 10006 30	7	218}				NEW for IEEE P802.3af - DTE Power via MDI
Allocated to IEEE P802.3af but not use			{1 2 840 10006 30	7	219}				NEW for IEEE P802.3af - DTE Power via MDI
Allocated to IEEE P802.3af but not use			{1 2 840 10006 30	7	220}				NEW for IEEE P802.3af - DTE Power via MDI
Allocated to IEEE P802.3af but not use			{1 2 840 10006 30	9	14}				NEW for IEEE P802.3af - DTE Power via MD
oPAF (30.11.1)			{1 2 840 10006 30	3	24}	{1 0 8802 3 30	3	24}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPAFID			{1 2 840 10006 30	7	344}	{1 0 8802 3 30	7	344}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPhyEnd			{1 2 840 10006 30	7	326}	{1 0 8802 3 30	7	326}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPHYCurrentStatus			{1 2 840 10006 30	7	296}	{1 0 8802 3 30	7	296}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPAFSupported			{1 2 840 10006 30	7	304}	{1 0 8802 3 30	7	304}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPAFAdminState			{1 2 840 10006 30	7	305}	{1 0 8802 3 30	7	305}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aLocalPAFCapacity			{1 2 840 10006 30	7	327}	{1 0 8802 3 30	7	327}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aLocalPMEAvailable			{1 2 840 10006 30	7	306}	{1 0 8802 3 30	7	306}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aLocalPMEAggregate			{1 2 840 10006 30	7	307}	{1 0 8802 3 30	7	307}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aRemotePAFSupported			{1 2 840 10006 30	7	328}	{1 0 8802 3 30	7	328}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aRemotePAFCapacity			{1 2 840 10006 30	7	329}	{1 0 8802 3 30	7	329}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aRemotePMEAggregate			{1 2 840 10006 30	7	310}	{1 0 8802 3 30	7	310}	NEW for IEEE P802.3ah - Ethernet in the First Mile
oPME (30.11.2)			{1 2 840 10006 30	3	25}	{1 0 8802 3 30	3	25}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPMEID			{1 2 840 10006 30	7	330}	{1 0 8802 3 30	7	330}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPMEAdminState			{1 2 840 10006 30	7	345}	{1 0 8802 3 30	7	345}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPMEStatus			{1 2 840 10006 30	7	346}	{1 0 8802 3 30	7	346}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPMESNRMgn			{1 2 840 10006 30	7	331}	{1 0 8802 3 30	7	331}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aTCCodingViolations			{1 2 840 10006 30	7	332}	{1 0 8802 3 30	7	332}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aProfileSelect			{1 2 840 10006 30	7	347}	{1 0 8802 3 30	7	347}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aOperatingProfile			{1 2 840 10006 30	7	348}	{1 0 8802 3 30	7	348}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPMEFECCorrectedBlocks			{1 2 840 10006 30	7	349}	{1 0 8802 3 30	7	349}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aPMEFECUncorrectableBlocks			{1 2 840 10006 30	7	350}	{1 0 8802 3 30	7	350}	NEW for IEEE P802.3ah - Ethernet in the First Mile
aTCCRCErrors						{1 0 8802 3 30	7	352}	NEW for IEEE P802.3REVam - Maintenance #6
Allocated to IEEE P802.3ah but not used			{1 2 840 10006 30	3	22}				NEW for IEEE P802.3ah - Ethernet in the First Mile

			DTE												Repeater				MAU								WIS		Auto Neg	DTE Power via MDI		Midspan	PME											
			Basic Package (Mandatory)	Mandatory Package (Mandatory)	Recommended Package (Optional)	Optional Package (Optional)	Array Package (Optional)	ExcessiveDeferral Package (Optional)	MultiplePHY Package (Optional)	100/1000 Mb/s Monitor Capability (Optional)	Aggregation Port Statistics (Optional)	Aggregation Port Debug Information (Optional)	Multicast Control Protocol Packet (Conditional)	Operation Administration Maintenance Package (Conditional)	Optical Multipoint Emulation Package (Conditional)	Basic Control Capability (Mandatory)	Basic Control Capability (Mandatory)	Performance Monitor Capability (Optional)	Address Tracking Capability (Optional)	100/1000 Mb/s Monitor Capability (Optional)	1000 Mb/s Burst Monitor Capability (Cond.)	Basic Package (Mandatory)	MAU Control Package (Optional)	Media Loss Tracking Package (Conditional)	Broadband DTE MAU Package (Conditional)	MII Capability (Conditional)	PHY Error Monitor Capability (Optional)	10GBASE-T Operating Margin package	PCS Code Error Monitor Capability (Optional)	Toward Error Correction Package (Conditional)	Basic Package (Mandatory)	WIS Recommended Package (Optional)	Auto Negotiation Package (Mandatory)	PSE Basic Package (Mandatory)	PSE Recommended Package (Optional)	Midspan Basic Capability (Mandatory)			PME Aggregation Package (Mandatory)		5, 19 & 20 ROOT	BRANCH	LEAF	Clause 30 ROOT Pre IEEE 802.3-2005	BRANCH	LEAF	Clause 30 ROOT Post IEEE 802.3-2005	BRANCH	LEAF	Comments
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	3	23}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	248}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	249}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	253}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	288}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	295}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	297}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	298}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	299}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	300}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	301}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	302}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	303}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	308}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	309}				NEW for IEEE P802.3ah - Ethernet in the First Mile
Allocated to IEEE P802.3ah but not use																																											{1 2 840 10006 30	7	325}				NEW for IEEE P802.3ah - Ethernet in the First Mile
aRMCounter	ATTRIBUTE	GET														X	X	X			X	X			X															{1 2 840 10006 19	7	12}							
aLMCounter	ATTRIBUTE	GET			X	X	X		X		X																															{1 2 840 10006 5	7	150}							
aCMCounter	ATTRIBUTE	GET			X	X	X		X		X						X	X	X			X	X			X					X				X								{1 2 840 10006 30	7	88}	{1 2 840 10006 30	7	88}	MERGED FOR 100BASE-T
oMACEntity																																																	
Basic Package (Mandatory)			X																																														
Mandatory Package (Mandatory)				X																																					{1 2 840 10006 5	4	103}	{1 2 840 10006 30	4	1}	{1 2 840 10006 30	4	1}	
Recommended Package (Conditional)					X																																				{1 2 840 10006 5	4	104}	{1 2 840 10006 30	4	2}	{1 2 840 10006 30	4	2}	Check DTE vs MAC recommended in label in book
Conditional Package (Conditional)						X																																			{1 2 840 10006 5	4	105}	{1 2 840 10006 30	4	3}	{1 2 840 10006 30	4	3}	
Array Package (Conditional)							X																																		{1 2 840 10006 5	4	106}	{1 2 840 10006 30	4	4}	{1 2 840 10006 30	4	4}	
ExcessiveDeferral Package (Conditional)								X																																	{1 2 840 10006 5	4	107}	{1 2 840 10006 30	4	5}	{1 2 840 10006 30	4	5}	
PHYRecommended Package (Conditional)						X																																					{1 2 840 10006 30	4	6}	{1 2 840 10006 30	4	6}	NEW for IEEE P802.3u - 100BASE-T.
oPHYEntity																																																	
Basic Package (Mandatory)			X																																														
MultiplePHY Package (Conditional)									X																																		{1 2 840 10006 30	4	7}	{1 2 840 10006 30	4	7}	NEW for IEEE P802.3u - 100BASE-T.
100MbsMonitor Capability (Conditional)										X																																	{1 2 840 10006 30	4	8}	{1 2 840 10006 30	4	8}	NEW for IEEE P802.3u - 100BASE-T. Label in regis statement has spaces
oMACControlEntity																																																	
Mandatory Package (Mandatory)				X																																													
Recommended Package (Conditional)					X																																						{1 2 840 10006 30	4	17}	{1 2 840 10006 30	4	17}	NEW for IEEE P802.3x Full Duplex
oMACControlFunctionEntity																																																	
Mandatory Package (Mandatory)				X																																													
Recommended Package (Conditional)					X																																						{1 2 840 10006 30	4	25}	{1 2 840 10006 30	4	25}	NEW for IEEE P802.3x - Full Duplex - Added by IEEE P802.3ae
oAggregator																																																	
AggregatorBasic Package (Mandatory)			X																																														NEW for IEEE P802.3ad - Link Aggregation
AggregatorMandatory Package (Mandatory)				X																																							{1 2 840 10006 30	4	19}	{1 2 840 10006 30	4	19}	NEW for IEEE P802.3ad - Link Aggregation
AggregatorRecommended Package (Conditional)					X																																						{1 2 840 10006 30	4	20}	{1 2 840 10006 30	4	20}	NEW for IEEE P802.3ad - Link Aggregation
AggregatorConditional Package (Conditional)						X																																					{1 2 840 10006 30	4	21}	{1 2 840 10006 30	4	21}	NEW for IEEE P802.3ad - Link Aggregation
oAggregationPort																																																	
AggregationPortBasic Package (Mandatory)			X																																													NEW for IEEE P802.3ad - Link Aggregation
AggregationPortMandatory Package (Mandatory)				X																																							{1 2 840 10006 30	4	22}	{1 2 840 10006 30	4	22}	NEW for IEEE P802.3ad - Link Aggregation
oAggPortStats																																																	
AggPortStatsPackage (Conditional)											X																															{1 2 840 10006 30	4	23}	{1 2 840 10006 30	4	23}	NEW for IEEE P802.3ad - Link Aggregation
oAggPortDebugInformation																																																	
AggPortDebugInformation Package (Conditional)												X																															{1 2 840 10006 30	4	24}	{1 2 840 10006 30	4	24}	NEW for IEEE P802.3ad - Link Aggregation
oOMP																																																	
Optical Multipoint Emulation Package (Conditional)															X																																		
Optical Multipoint Emulation Error Package (Conditional)																X																											{1 2 840 10006 30	4	37}	{1 2 840 10006 30	4	37}	NEW for IEEE P802.3ah - Ethernet in the First Mile
oRepeater																																																	
RepeaterBasicControl Package (Mandatory)																	X																																
RepeaterPerfMonitor Package (Conditional)																		X																								{1 2 840 10006 19	4	4}	{1 2 840 10006 30	4	9}	{1 2 840 10006 30	4	9}	
oGroup																																																	
GroupBasicControl Package (Mandatory)																	X																																
oRepeaterPort																																																	
PortBasicControl Package (Mandatory)																	X																																
PortPerfMonitor Package (Conditional)																		X																								{1 2 840 10006 19	4	5}	{1 2 840 10006 30	4	10}	{1 2 840 10006 30	4	10}	
PortAddrTracking Package (Conditional)																			X																							{1 2 840 10006 19	4	6}	{1 2 840 10006 30	4	11}	{1 2 840 10006 30	4	11}	
100MbpsMonitor Package (Conditional)																				X																							{1 2 840 10006 30	4	12}	{1 2 840 10006 30	4	12}	NEW for IEEE P802.3u - 100BASE-T. Label in regsis statement has spaces
Burst Package (Conditional)																					X																						{1 2 840 10006 30	4	18}	{1 2 840 10006 30	4	18}	NEW for IEEE P802.3z - 1Gb/s Ethernet. (appeared incorrectly as {... 4 12} in D4.0 & 4.1)
oMAU																																																	

| | DTE | | |

| | | | DTE | | | | | | | | | | | | | | | | | | | | | | | Repeater | | | | | | MAU | | | | | | | | | | | | WIS | | | Auto Neg | DTE Power via MDI | | Midspan | PME | | | | | | | | | | | | | | | | | | |