

aMPCPLinkID

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A value that identifies the Link Layer identity (LLID) associated with the MAC port as specified in CROSS REF Clause 65.

aMPCPAdminState

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has the following entries:

enabled

disabled

BEHAVIOUR DEFINED AS:

A read-only value that identifies the operational state of the Multi-Point MAC Control sublayer. An interface which can provide the Multi-Point MAC Control sublayer functions specified in CROSS REF Clause 64 will be enabled to do so when this attribute has the enumeration 'enable'. When this attribute has the enumeration 'disable' the interface will act as it would if it had no Multi-Point MAC Control sublayer. The operational state of the Multi-Point MAC Control Sublayer can be changed using the acMPCPAdminControl action.

acMPCPAdminControl

ACTION

APPROPRIATE SYNTAX:

Same as aPortAdminState

BEHAVIOUR DEFINED AS:

This action provides a means to alter aMPCPAdminState.;

aMPCPRemoteMACAddress

ATTRIBUTE

APPROPRIATE SYNTAX:

MACAddress

BEHAVIOUR DEFINED AS:

The value of the source_address parameter of the last MPCPDUs passed to the

MAC Control. This value is updated on reception of a valid frame with (1) a destinationField equal to the reserved multicast address for MAC Control specified in CROSS REF 31A, (2) lengthOrType field value equal to the reserved Type for MAC Control as specified in CROSS REF 31A, (3) an MPCP subtype value equal to the subtype reserved for MPCP as specified in CROSS REF 31A;

aMPCPMode OLT, ONU

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has the following entries:

OLT

ONU

BEHAVIOUR DEFINED AS:

A read-only value that identifies the operational mode of the Multi-Point MAC Control sublayer. An interface which can provide the Multi-Point MAC Control sublayer functions specified in CROSS REF Clause 64 will be operate as an OLT when this attribute has the enumeration 'OLT'. When this attribute has the enumeration 'ONU' the interface will act as an ONU.

aMPCPRegistrationState

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has the following entries:

free

registering

registered

BEHAVIOUR DEFINED AS:

A read-only value that identifies the operational state of the Multi-Point MAC Control sublayer. When this attribute has the enumeration 'free' the interface may be used for registering a link partner. When this attribute has the enumeration 'registering' the interface is in the process of registering a link-partner. When this attribute has the enumeration 'registered' the interface has an established link-partner.

aMPCPTimestamp

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A read-only value that holds the current counter used for time-stamping operation by the Multi-Point MAC Control sublayer.

aMPCPLastTransmit (timestamp)

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A read-only value that holds the counter used for time-stamping operation by the Multi-Point MAC Control sublayer on transmission of the last MPCPDU.

aMPCPLastReceive

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A read-only value that holds the counter used for time-stamping operation by the Multi-Point MAC Control sublayer on reception of the last MPCPDU.

aMPCPRoundTripTime

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A read-only value that holds the round trip time. This attribute is updated on following every MPCPDU reception.

aMPCPProcessingDelay

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A read-only value that holds the nominal expected processing delay in the Multi-Point MAC control implementation.

aMPCPDiscoveryWindowsSent

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A read-only value that counts the number of discovery windows generated by this interface.

aMPCPRegistrationAttempts

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A read-only value that counts the number of attempts to perform registration were made by this interface.

aMPCPDiscoveryTimeout

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A read-only value that counts the number of times the discovery processing state-machine reset resulting from timeout waitingfor message arrival.

aMPCPNumberPendingGrants

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

A read-only value that counts the number of grants processed and waiting for activation at this interface.

aMPCPLaserControl

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has the following entries:

on

off

BEHAVIOUR DEFINED AS:

A read-only value that identifies the operational state of the Gate Processing functional block inside the Multi-Point MAC Control sublayer. When this attribute has the enumeration 'on' transmission is allowed. When this attribute has the enumeration 'off' transmission is disallowed.