30. Management

30.1 Overview

30.3 Layer management for DTEs

30.3.2 PHY device managed object class

30.3.2.1 PHY device attributes

30.3.2.1.2 aPhyType

Insert after 10GPASS-XR two lines for "25GBASE-PQ" and "25/10GBASE-PQ" types into the APPROPRIATE SYNTAX list of 30.3.2.1.2 aPhyType (as modified by ... as shown below.

...

25GBASE-PQ	Clause 142 PCS 25/25G-EPON 256B/257B
25/10GBASE-PQ	Clause 142 PCS 25/10G-EPON 256B/257B

...

Insert after 40GBASE-T three lines for "50GBASE-PQ", "50/25GBASE-PQ", and "50/10GBASE-PQ" types into the APPROPRIATE SYNTAX list of 30.3.2.1.2 aPhyType (as modified by ... as shown below.

.

50GBASE-PQ	Clause 142 PCS 50/50G-EPON 256B/257B
50/25GBASE-PQ	Clause 142 PCS 50/25G-EPON 256B/257B
50/10GBASE-PQ	Clause 142 PCS 50/10G-EPON 256B/257B

...

30.3.2.1.3 aPhyTypeList

Insert after 10GPASS-XR two lines for "25GBASE-PQ" and "25/10GBASE-PQ" types into the APPROPRIATE SYNTAX list of 30.3.2.1.3 aPhyTypeList (as modified by ... as shown below.

...

25GBASE-PQ	Clause 142 PCS 25/25G-EPON 256B/257B
25/10GBASE-PQ	Clause 142 PCS 25/10G-EPON 256B/257B

...

Insert after 40GBASE-T three lines for "50GBASE-PQ", "50/25GBASE-PQ", and "50/10GBASE-PQ" types into the APPROPRIATE SYNTAX list of 30.3.2.1.3 aPhyTypeList (as modified by ... as shown below.

.

50GBASE-PQ	Clause 142 PCS 50/50G-EPON 256B/257B
50/25GBASE-PQ	Clause 142 PCS 50/25G-EPON 256B/257B
50/10GBASE-PQ	Clause 142 PCS 50/10G-EPON 256B/257B

...

30.3.5 MPCP managed object class

30.3.5.1 MPCP Attributes

30.3.5.1.2 aMPCPAdminState

Change description for "BEHAVIOUR DEFINED AS" section of 30.3.5.1.2 aMPCPAdminState to add Clause 144 to the list of cross references as shown below.

BEHAVIOUR DEFINED AS:

A read-only value that identifies the operational state of the Multipoint MAC Control sublayer. An interface that can provide the Multipoint MAC Control sublayer functions specified in Clause 64, Clause 77, ~~or~~ Clause 103, or Clause 144 is enabled to do so when this attribute has the enumeration "enabled". When this attribute has the enumeration "disabled", the interface acts as it would if it had no Multipoint MAC Control sublayer. The operational state of the Multipoint MAC Control sublayer can be changed using the acMPCPAdminControl action.;

30.3.5.1.3 aMPCPMode

Change description for "BEHAVIOUR DEFINED AS" section of 30.3.5.1.3 aMPCPMode to add Clause 144 to the list of cross references as shown below.

BEHAVIOUR DEFINED AS:

A read-only value that identifies the operational mode of the Multipoint MAC Control sublayer. An interface that can provide the Multipoint MAC Control sublayer functions specified in Clause 64, Clause 77, ~~or~~ Clause 103, or Clause 144. When this attribute has the enumeration "OLT", the interface acts as an OLT. When this attribute has the enumeration "ONU", the interface acts as an ONU. When this attribute has the enumeration "CLT", the interface acts as a CLT. When this attribute has the enumeration "CNU", the interface acts as a CNU.;

30.3.5.1.4 aMPCPLinkID

Change description for "BEHAVIOUR DEFINED AS" section of 30.3.5.1.4 aMPCPLinkID to add Clause 144.3.2 to the list of cross references as shown below.

BEHAVIOUR DEFINED AS:

A read-only value that identifies the Logical Link identity (LLID) associated with the MAC port as specified in 65.1.3.2.2, ~~or~~ 76.2.6.1.3.2, or 144.3.2, as appropriate.

30.5 Layer management for medium attachment units (MAUs)

30.5.1 MAU managed object class

30.5.1.1 MAU attributes

30.5.1.1.2 aMAUType

Insert after 25GBASE-T the following types into the APPROPRIATE SYNTAX list of 30.5.1.1.2 aMAUType (as modified by ...) as shown below.

...

25/10GBASE-PQG-D2 One single mode fiber, 1x25G continuous downstream / 1x10G burst

	mode upstream PHY as specified in Clause 141
25/10GBASE-PQG-D3	One single mode fiber, 1x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
25/10GBASE-PQG-U2	One single mode fiber, 1x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
25/10GBASE-PQG-U3	One single mode fiber, 1x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
25/10GBASE-PQX-D2	One single mode fiber, 1x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
25/10GBASE-PQX-D3	One single mode fiber, 1x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
25/10GBASE-PQX-U2	One single mode fiber, 1x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
25/10GBASE-PQX-U3	One single mode fiber, 1x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
25GBASE-PQG-D2	One single mode fiber, 1x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
25GBASE-PQG-D3	One single mode fiber, 1x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
25GBASE-PQG-U2	One single mode fiber, 1x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
25GBASE-PQG-U3	One single mode fiber, 1x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
25GBASE-PQX-D2	One single mode fiber, 1x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
25GBASE-PQX-D3	One single mode fiber, 1x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
25GBASE-PQX-U2	One single mode fiber, 1x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
25GBASE-PQX-U3	One single mode fiber, 1x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
...	

Insert after 40GBASE-T the following types into the APPROPRIATE SYNTAX list of 30.5.1.1.2 aMAUType (as modified by ...) as shown below.

...	
50/10GBASE-PQG-D2	One single mode fiber, 2x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
50/10GBASE-PQG-D3	One single mode fiber, 2x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
50/10GBASE-PQG-U2	One single mode fiber, 2x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
50/10GBASE-PQG-U3	One single mode fiber, 2x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
50/10GBASE-PQX-D2	One single mode fiber, 2x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
50/10GBASE-PQX-D3	One single mode fiber, 2x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
50/10GBASE-PQX-U2	One single mode fiber, 2x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141
50/10GBASE-PQX-U3	One single mode fiber, 2x25G continuous downstream / 1x10G burst mode upstream PHY as specified in Clause 141

50/25GBASE-PQG-D2	One single mode fiber, 2x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
50/25GBASE-PQG-D3	One single mode fiber, 2x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
50/25GBASE-PQG-U2	One single mode fiber, 2x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
50/25GBASE-PQG-U3	One single mode fiber, 2x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
50/25GBASE-PQX-D2	One single mode fiber, 2x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
50/25GBASE-PQX-D3	One single mode fiber, 2x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
50/25GBASE-PQX-U2	One single mode fiber, 2x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
50/25GBASE-PQX-U3	One single mode fiber, 2x25G continuous downstream / 1x25G burst mode upstream PHY as specified in Clause 141
50GBASE-PQG-D2	One single mode fiber, 2x25G continuous downstream / 2x25G burst mode upstream PHY as specified in Clause 141
50GBASE-PQG-D3	One single mode fiber, 2x25G continuous downstream / 2x25G burst mode upstream PHY as specified in Clause 141
50GBASE-PQG-U2	One single mode fiber, 2x25G continuous downstream / 2x25G burst mode upstream PHY as specified in Clause 141
50GBASE-PQG-U3	One single mode fiber, 2x25G continuous downstream / 2x25G burst mode upstream PHY as specified in Clause 141
50GBASE-PQX-D2	One single mode fiber, 2x25G continuous downstream / 2x25G burst mode upstream PHY as specified in Clause 141
50GBASE-PQX-D3	One single mode fiber, 2x25G continuous downstream / 2x25G burst mode upstream PHY as specified in Clause 141
50GBASE-PQX-U2	One single mode fiber, 2x25G continuous downstream / 2x25G burst mode upstream PHY as specified in Clause 141
50GBASE-PQX-U3	One single mode fiber, 2x25G continuous downstream / 2x25G burst mode upstream PHY as specified in Clause 141
...	