

30. Management

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 the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.2 after the entry for “2.5GBASE-T1” as follows:

2.5G+100MBASE-T1/V1	Clause 200 2.5 Gb/s PAM2 transmit, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1	Clause 200 100 Mb/s TBD transmit, 2.5 Gb/s PAM2 receive

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.2 after the entry for “5GBASE-T1” as follows:

5G+100MBASE-T1/V1	Clause 200 5 Gb/s PAM2, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1	Clause 200 100 Mb/s TBD transmit, 5 Gb/s PAM2 receive

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.2 after the entry for “10GBASE-T1” as follows:

10G+100MBASE-T1/V1	Clause 200 10 Gb/s PAM4, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1	Clause 200 100 Mb/s TBD transmit, 10 Gb/s PAM4 receive

30.3.2.1.3 aPhyTypeList

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.3 after the entry for “2.5GBASE-T1” as follows:

2.5G+100MBASE-T1/V1	Clause 200 2.5 Gb/s PAM2 transmit, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1	Clause 200 100 Mb/s TBD transmit, 2.5 Gb/s PAM2 receive

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.3 after the entry for “5GBASE-T1” as follows:

5G+100MBASE-T1/V1	Clause 200 5 Gb/s PAM2, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1	Clause 200 100 Mb/s TBD transmit, 5 Gb/s PAM2 receive

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.3 after the entry for “10GBASE-T1” as follows:

10G+100MBASE-T1/V1	Clause 200 10 Gb/s PAM4, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1	Clause 200 100 Mb/s TBD transmit, 10 Gb/s PAM4 receive

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 the following new entries in the APPROPRIATE SYNTAX section of 30.5.1.1.2 after the entry for “2.5GBASE-T1” as follows:

2.5G+100MBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
100M+2.5GBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
2.5G+100MBASE-V1	Coaxial Cable PHY as specified in Clause 200
100M+2.5GBASE-V1	Coaxial Cable PHY as specified in Clause 200

Insert the following new entries in the APPROPRIATE SYNTAX section of 30.5.1.1.2 after the entry for “5GBASE-T1” as follows:

5G/100MBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
100M+5GBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
5G/100MBASE-V1	Coaxial Cable PHY as specified in Clause 200
100M+5GBASE-V1	Coaxial Cable PHY as specified in Clause 200

Insert the following new entries in the APPROPRIATE SYNTAX section of 30.5.1.1.2 after the entry for “10GBASE-T1” as follows:

10G/100MBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
100M+10GBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
10G/100MBASE-V1	Coaxial Cable PHY as specified in Clause 200
100M+10GBASE-V1	Coaxial Cable PHY as specified in Clause 200

30.6 Management for link Auto-Negotiation

30.6.1 Auto-Negotiation managed object class

30.6.1.1 Auto-Negotiation attributes

30.6.1.1.5 aAutoNegLocalTechnologyAbility

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.6.1.1.5 after the entry for “2.5GBASE-T1” as follows:

2.5G+100MBASE-T1	2.5G+100MBASE-T1 as specified in Clause 200
100M+2.5GBASE-T1	100M+2.5GBASE-T1 as specified in Clause 200
2.5G+100MBASE-V1	2.5G+100MBASE-V1 as specified in Clause 200
100M+2.5GBASE-V1	100M+2.5GBASE-V1 as specified in Clause 200

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.6.1.1.5 after the entry for “5GBASE-T1” as follows:

5G+100MBASE-T1	5G+100MBASE-T1 as specified in Clause 200
100M+5GBASE-T1	100M+5GBASE-T1 as specified in Clause 200
5G+100MBASE-V1	5G+100MBASE-V1 as specified in Clause 200
100M+5GBASE-V1	100M+5GBASE-V1 as specified in Clause 200

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.6.1.1.5 after the entry for “10GBASE-T1” as follows:

10G+100MBASE-T1	10G+100MBASE-T1 as specified in Clause 200
100M+10GBASE-T1	100M+10GBASE-T1 as specified in Clause 200
10G+100MBASE-V1	10G+100MBASE-V1 as specified in Clause 200
100M+10GBASE-V1	100M+10GBASE-V1 as specified in Clause 200