

14 Management entities

14.1 Introduction

14.2 Management entities for non-SNMP-optimized eOAM profile

14.3 Management entities for SNMP-optimized eOAM profile

14.4 Management entities for DPoE eOAM profile

14.4.1 Branch 0xD6 “identification”

14.4.1.1 ONU management

14.4.1.2 PHY management

14.4.1.2.1 Attribute *aPhyType* (0x07/0x00-20)

This attribute represents a PHY type.

Attribute *aPhyType*:

Syntax:	Enumeration
Remote access:	Read-Only
Description:	The behavior of this attribute is defined in IEEE Std 802.3, 30.3.2.1.2. The following values are defined: other: Undefined unknown: Initializing, true state or type not yet known none: MII present and nothing connected 10Mbps: IEEE Std 802.3, Clause 7 10 Mb/s Manchester 100BASE-T4: IEEE Std 802.3, Clause 23 100 Mb/s 8B/6T 100BASE-X: IEEE Std 802.3, Clause 24 or subclause 66.1 100 Mb/s 4B/5B 100BASE-T2: IEEE Std 802.3, Clause 32 100 Mb/s PAM5X5 1000BASE-X: IEEE Std 802.3, Clause 36 or subclause 66.2 1000 Mb/s 8B/10B 1000BASE-T: IEEE Std 802.3, Clause 40 1000 Mb/s 4D-PAM5 10GBASE-X: IEEE Std 802.3, Clause 48 10 Gb/s 4 lane 8B/10B 10GBASE-R: IEEE Std 802.3, Clause 49 10 Gb/s 64B/66B 10GBASE-W: IEEE Std 802.3, Clause 49 10 Gb/s 64B/66B and Clause 50 WIS 10GBASE-T: IEEE Std 802.3, Clause 55 10 Gb/s DSQ128 <u>2.5GBASE-T: IEEE Std 802.3, Clause 126 2.5 Gb/s 64B/65B PAM16</u> <u>5GBASE-T: IEEE Std 802.3, Clause 126 5 Gb/s 64B/65B PAM16</u>

The *aPhyType* is associated with the UNI Port or the PON Port object (see 14.4.1.1). The Variable Container TLV for the *aPhyType* attribute shall be as specified in Table 14-156.

Table 14-156—PHY Type TLV (0x07/0x00-20)

Size (octets)	Field (name)	Value	Notes
1	Branch	0x07	Branch identifier
2	Leaf	0x00-20	Leaf identifier

Size (octets)	Field (name)	Value	Notes
1	Length	0x01	The size of TLV fields following the Length field
1	PhyType	Varies	Value of <i>aPhyType</i> attribute, defined as follows: <div><div>other:</div><div>0x01</div></div> <div><div>unknown:</div><div>0x02</div></div> <div><div>none:</div><div>0x03</div></div> <div><div>10Mbps:</div><div>0x07</div></div> <div><div>100BASE-T4:</div><div>0x17</div></div> <div><div>100BASE-X:</div><div>0x18</div></div> <div><div>100BASE-T2:</div><div>0x20</div></div> <div><div>1000BASE-X:</div><div>0x24</div></div> <div><div>1000BASE-T:</div><div>0x28</div></div> <div><div>10GBASE-X:</div><div>0x30</div></div> <div><div>10GBASE-R:</div><div>0x31</div></div> <div><div>10GBASE-W:</div><div>0x32</div></div> <div><div>10GBASE-T:</div><div>0x37</div></div> <div><div><u>2.5GBASE-T:</u></div><div><u>0x7D</u></div></div> <div><div><u>5GBASE-T:</u></div><div><u>0x7E</u></div></div>