30. Management

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Table 30–0a—Capabilities

				DT
				Energy Efficient Ethernet (optional)
oMACEntity managed object class (con'd.)				
	aTransmitLPIMicroseconds	ATTRIBUTE	GET	
	aReceiveLPIMicroseconds	ATTRIBUTE	GET	
	aTransmitLPITransitions	ATTRIBUTE	GET	
	aReceiveLPITransitions	ATTRIBUTE	GET	

30.0.0.1 MAC entity attributes

30.0.0.1.1 aTransmitLPIMicroseconds

ATTRIBUTE

APPROPRIATE SYNTAX:

Generalized nonresetable counter. This counter has a maximum increment rate of 1 000 000 counts per second

BEHAVIOUR DEFINED AS:

A count reflecting the amount of time that the LPI_REQUEST parameter has the value ASSERT. The request is indicated to the PHY according to the requirements of the RS (see 22.7a, 35.4a, 46.4a.).;

30.0.0.1.2 aReceiveLPIMicroseconds

ATTRIBUTE

APPROPRIATE SYNTAX:

Generalized nonresetable counter. This counter has a maximum increment rate of 1 000 000 counts per second

BEHAVIOUR DEFINED AS:

A count reflecting the amount of time that the LPI_INDICATION parameter has the value ASSERT. The indication reflects the state of the PHY according to the requirements of the RS (see 22.7a, 35.4a, 46.4a.).;

30.0.0.1.3 aTransmitLPITransitions

ATTRIBUTE

APPROPRIATE SYNTAX:

Generalized nonresetable counter. This counter has a maximum increment rate of 50 000 counts per second at 100 Mb/s; 90 000 counts per second at 1000 Mb/s; and 230 000 counts per second at 10 Gb/s

BEHAVIOUR DEFINED AS:

A count of occurrences of the transition from state LPI_DEASSERTED to state LPI_ASSERTED of the LPI transmit state diagram is the RS. The state transition corresponds to the assertion of the LPI_REQUEST parameter. The request is indicated to the PHY according to the requirements of the RS (see 22.7a, 35.4a, 46.4a.).;

30.0.0.1.4 aReceiveLPITransitions

ATTRIBUTE

APPROPRIATE SYNTAX:

Generalized nonresetable counter. This counter has a maximum increment rate of 50 000 counts per second at 100 Mb/s; 90 000 counts per second at 1000 Mb/s; and 230 000 counts per second at 10 Gb/s

BEHAVIOUR DEFINED AS:

A count of occurrences of the transition from DEASSERT to ASSERT of the LPI_INDICATE parameter. The indication reflects the state of the PHY according to the requirements of the RS (see 22.7a, 35.4a, 46.4a.).;