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Errata to IEEE Standard for Ethernet

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Correction Sheet
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30. Management

30.12 Layer Management for Link Layer Discovery Protocol (LLDP)

30.12.3 LLDP Remote System Group managed object class

30.12.3.1 LLDP Remote System Group attributes

Renumber subclauses as follows:

30.12.3.1.65~~30.12.3.1.24~~ aLldpXdot3RemTxFw

ATTRIBUTE

APPROPRIATE SYNTAX:
BOOLEAN

BEHAVIOUR DEFINED AS:
A GET attribute that returns the value of LPI_FW that the remote system can support in the transmit direction. This attribute maps to the variable RemTxSystemFW as defined in 78.4.2.3;

30.12.3.1.66~~30.12.3.1.25~~ aLldpXdot3RemTxFwEcho

ATTRIBUTE

APPROPRIATE SYNTAX:
BOOLEAN

BEHAVIOUR DEFINED AS:
A GET attribute that returns the value of LPI_FW that the local system is advertising that it can support in the transmit direction as echoed by the remote system under the control of the EEE DLL receiver state diagram. This attribute maps to the variable RemTxSystemFWEcho as defined in 78.4.2.3;

30.12.3.1.67~~30.12.3.1.26~~ aLldpXdot3RemRxFw

ATTRIBUTE

APPROPRIATE SYNTAX:
BOOLEAN

BEHAVIOUR DEFINED AS:
A GET attribute that returns the value of LPI_FW that the remote system is requesting in the receive direction. This attribute maps to the variable RemRxSystemFW as defined in 78.4.2.3;

30.12.3.1.68~~30.12.3.1.27~~ aLldpXdot3RemRxFwEcho

ATTRIBUTE

APPROPRIATE SYNTAX:
BOOLEAN

BEHAVIOUR DEFINED AS:
A GET attribute that returns the value of LPI_FW that the local system is advertising that it is requesting

in the receive direction as echoed by the remote system under the control of the EEE DLL transmitter state diagram. This attribute maps to the variable RemRxSystemFWEcho as defined in 78.4.2.3;

30.12.3.1.69~~30.12.3.1.28~~ aLldpXdot3RemPreemptSupported

ATTRIBUTE

APPROPRIATE SYNTAX:
BOOLEAN

BEHAVIOUR DEFINED AS:
A read-only Boolean value used to indicate whether the given port (associated with the remote system) supports the preemption capability.;

30.12.3.1.70~~30.12.3.1.29~~ aLldpXdot3RemPreemptEnabled

ATTRIBUTE

APPROPRIATE SYNTAX:
BOOLEAN

BEHAVIOUR DEFINED AS:
A read-only Boolean value used to indicate whether the preemption capability is enabled on the given port associated with the remote system.;

30.12.3.1.71~~30.12.3.1.30~~ aLldpXdot3RemPreemptActive

ATTRIBUTE

APPROPRIATE SYNTAX:
BOOLEAN

BEHAVIOUR DEFINED AS:
A read-only Boolean value used to indicate whether the preemption capability is active on the given port associated with the remote system.;

30.12.3.1.72~~30.12.3.1.31~~ aLldpXdot3RemAddFragSize

ATTRIBUTE

APPROPRIATE SYNTAX:
INTEGER

BEHAVIOUR DEFINED AS:
A 2-bit integer value used to indicate, in units of 64 octets, the minimum number of octets over 64 octets required in non-final fragments by the receiver on the given port associated with the remote system. The minimum non-final fragment size is
(aLldpXdot3LocAddFragSize + 1) × 64 octets.;

78. Energy-Efficient Ethernet (EEE)

78.4 Data Link Layer capabilities

78.4.3 State change procedure across a link

Change the seventh and eighth paragraphs of subclause 78.4.3 as follows:

The receiving link partner may request a change of Fast_Wake_Enable through the aLldpXdot3LocRxFw (30.12.2.1.72) attribute in the LldpXdot3LocSystemsGroup managed object class (30.12.2). The request appears to the transmitting link partner as a change to the aLldpXdot3RemRxFw (30.12.3.1.67~~30.12.3.1.26~~) attribute in the LldpXdot3RemSystemsGroup managed (30.12.3) object class. The transmitting link partner responds to its receiving partner's request through the aLldpXdot3LocTxFw (30.12.2.1.70) attribute in the LldpXdot3LocSystemsGroup managed object class (30.12.2). The transmitting link partner also copies the value of the aLldpXdot3RemRxFw (30.12.3.1.26) attribute in the LldpXdot3RemSystemsGroup managed (30.12.3) object class to the aLldpXdot3LocRxFwEcho (30.12.2.1.73) attribute in the LldpXdot3LocSystemsGroup managed object class (30.12.2).

The transmitting link partner may advertise a change of Fast_Wake_Enable through the aLldpXdot3LocTxFw (30.12.2.1.70) attribute in the LldpXdot3LocSystemsGroup managed object class (30.12.2). This appears to the receiving link partner as a change to the aLldpXdot3RemTxFw (30.12.3.1.65~~30.12.3.1.24~~) attribute in the LldpXdot3RemSystemsGroup managed (30.12.3) object class. The receiving link partner responds to a transmitter's request through the aLldpXdot3LocRxFw (30.12.2.1.72) attribute in the LldpXdot3LocSystemsGroup managed object class (30.12.2). The receiving link partner also copies the value of the aLldpXdot3RemTxFw (30.12.3.1.24) attribute in the LldpXdot3RemSystemsGroup managed (30.12.3) object class to the aLldpXdot3LocTxFwEcho (30.12.2.1.71) attribute in the LldpXdot3LocSystemsGroup managed object class (30.12.2). This appears to the transmitting link partner as a change to the aLldpXdot3RemTxFwEcho (30.12.3.1.65~~30.12.3.1.25~~) attribute in the LldpXdot3RemSystemsGroup managed (30.12.3).