IEEE8023-DOT3-LLDP-EXT-V2-MIB DEFINITIONS ::= BEGIN

IMPORTS

 MODULE-IDENTITY,

 OBJECT-TYPE,

 Unsigned32,

 Integer32,

 org

 FROM SNMPv2-SMI

 TruthValue

 FROM SNMPv2-TC

 MODULE-COMPLIANCE,

 OBJECT-GROUP

 FROM SNMPv2-CONF

 ifGeneralInformationGroup

 FROM IF-MIB

 lldpV2LocPortIfIndex,

 lldpV2RemLocalIfIndex,

 lldpV2RemTimeMark,

 lldpV2RemLocalDestMACAddress,

 lldpV2RemIndex,

 lldpV2PortConfigEntry

 FROM LLDP-V2-MIB

 -- http://www.ieee802.org/1/files/public/MIBs/LLDP-V2-MIB-200906080000Z.txt

 LldpV2PowerPortClass

 FROM LLDP-V2-TC-MIB

 -- http://www.ieee802.org/1/files/public/MIBs/LLDP-V2-TC-MIB-200906080000Z.txt

;

ieee8023lldpV2Xdot3MIB MODULE-IDENTITY

 LAST-UPDATED "202307310000Z" – July 31, 2023

 ORGANIZATION

 "IEEE 802.3 Working Group"

 CONTACT-INFO

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 USA

 E-mail: mailto:stds-802-3-dialog@ieee.org"

 DESCRIPTION

 "The LLDP Management Information Base extension module for

 IEEE 802.3 organizationally defined discovery information."

 REVISION "202307310000Z" – July 31, 2023

 DESCRIPTION

 "Revision, based on an earlier version in IEEE Std 802.3.1-2013

 addressing changes from IEEE Std 802.3 revisions 2012, 2015, 2018,

 and 2022."

 REVISION "201304110000Z" -- April 11, 2013

 DESCRIPTION

 "Revision, based on an earlier version in IEEE Std 802.3.1-2011."

 REVISION "201102020000Z" -- February 2, 2011

 DESCRIPTION

 "This revision incorporated changes to the MIB module to

 add objects to support management of Energy Efficient

 Ethernet (EEE) and Enhanced DTE Power via the MDI (PoE+)."

 ::= { org ieee(111)

 standards-association-numbers-series-standards(2)

 lan-man-stds(802)ieee802dot3(3) ieee802dot3dot1mibs(1) 5 }

------------------------------------------------------------------------------

------------------------------------------------------------------------------

--

-- Organizationally Defined Information Extension - IEEE 802.3

--

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------------------------------------------------------------------------------

lldpV2Xdot3Objects OBJECT IDENTIFIER ::= { ieee8023lldpV2Xdot3MIB 1 }

-- LLDP IEEE 802.3 extension MIB groups

lldpV2Xdot3Config OBJECT IDENTIFIER ::= { lldpV2Xdot3Objects 1 }

lldpV2Xdot3LocalData OBJECT IDENTIFIER ::= { lldpV2Xdot3Objects 2 }

lldpV2Xdot3RemoteData OBJECT IDENTIFIER ::= { lldpV2Xdot3Objects 3 }

------------------------------------------------------------------------------

-- IEEE 802.3 - Configuration

------------------------------------------------------------------------------

--

-- Version 2 of lldpV2Xdot3PortConfigTable

-- supports use of multiple destination MAC addresses

--

lldpV2Xdot3PortConfigTable OBJECT-TYPE

 SYNTAX SEQUENCE OF LldpV2Xdot3PortConfigEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "A table that controls selection of LLDP TLVs to be transmitted

 on individual ports."

 ::= { lldpV2Xdot3Config 1 }

lldpV2Xdot3PortConfigEntry OBJECT-TYPE

 SYNTAX LldpV2Xdot3PortConfigEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "LLDP configuration information that controls the

 transmission of IEEE 802.3 organizationally defined TLVs on

 LLDP transmission capable ports.

 This configuration object augments the lldpV2PortConfigEntry of

 the LLDP-MIB, therefore it is only present along with the port

 configuration defined by the associated lldpV2PortConfigEntry

 entry.

 Each active lldpV2Xdot3PortConfigEntry is restored from non-volatile

 storage (along with the corresponding lldpV2PortConfigEntry)

 after a re-initialization of the management system."

 AUGMENTS { lldpV2PortConfigEntry }

 ::= { lldpV2Xdot3PortConfigTable 1 }

LldpV2Xdot3PortConfigEntry ::= SEQUENCE {

 lldpV2Xdot3PortConfigTLVsTxEnable BITS

}

lldpV2Xdot3PortConfigTLVsTxEnable OBJECT-TYPE

 SYNTAX BITS {

 macPhyConfigStatus(0),

 powerViaMDI(1),

 unused(2), --avoids re-use of the old link agg bit number

 maxFrameSize(3),

 eeeEnabled(4),

 eeeFastWakeEnabled(5),

 addEthernetCapabilities(6)

 }

 MAX-ACCESS read-write

 STATUS current

 DESCRIPTION

 "The lldpV2Xdot3PortConfigTLVsTxEnable, defined as a bitmap,

 includes the IEEE 802.3 organizationally defined set of LLDP

 TLVs whose transmission is allowed by the local LLDP agent by

 the network management. Each bit in the bitmap corresponds

 to an IEEE 802.3 subtype associated with a specific IEEE

 802.3 optional TLV.

 The bit 'macPhyConfigStatus(0)' indicates that the LLDP agent

 should transmit 'MAC/PHY configuration/status TLV'.

 The bit 'powerViaMDI(1)' indicates that the LLDP agent should

 transmit 'Power via MDI TLV'.

 The bit 'unused(2)' is no longer used; this was used for

 the 'Link Aggregation TLV' in the previous version.

 The bit 'maxFrameSize(3)' indicates that the LLDP agent should

 transmit 'Maximum-frame-size TLV'.

 The bit 'eeeEnabled(4)' indicates that the LLDP agent should

 transmit EEE TLV.

 The bit 'eeeFastWakeEnabled(5)' indicates that the LLDP agent

 should transmit EEE Fast Wake TLV.

 The bit 'addEthernetCapabilities(6)' indicates that the LLDP

 agent should transmit Additional Ethernet Capabilities TLV.

 The default value for lldpV2Xdot3PortConfigTLVsTxEnable object

 is an empty set, which means no enumerated values are set.

 The value of this object is restored from non-volatile

 storage after a re-initialization of the management system."

 REFERENCE

 "IEEE Std 802.3, 30.12.1.1.1"

 DEFVAL { { } }

 ::= { lldpV2Xdot3PortConfigEntry 1 }

------------------------------------------------------------------------------

-- IEEE 802.3 - Local Device Information

------------------------------------------------------------------------------

---

--- lldpV2Xdot3LocPortTable: Ethernet Port AutoNeg/Speed/Duplex

--- Information Table

--- V2 modified to be indexed by ifIndex.

---

lldpV2Xdot3LocPortTable OBJECT-TYPE

 SYNTAX SEQUENCE OF LldpV2Xdot3LocPortEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "This table contains one row per port of Ethernet port

 information (as a part of the LLDP 802.3 organizational

 extension) on the local system known to this agent."

 ::= { lldpV2Xdot3LocalData 1 }

lldpV2Xdot3LocPortEntry OBJECT-TYPE

 SYNTAX LldpV2Xdot3LocPortEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Information about a particular port component."

 INDEX { lldpV2LocPortIfIndex }

 ::= { lldpV2Xdot3LocPortTable 1 }

LldpV2Xdot3LocPortEntry ::= SEQUENCE {

 lldpV2Xdot3LocPortAutoNegSupported TruthValue,

 lldpV2Xdot3LocPortAutoNegEnabled TruthValue,

 lldpV2Xdot3LocPortAutoNegAdvertisedCap OCTET STRING,

 lldpV2Xdot3LocPortOperMauType Unsigned32

}

lldpV2Xdot3LocPortAutoNegSupported OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to indicate whether the given port

 (associated with the local system) supports Auto-negotiation."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.1"

 ::= { lldpV2Xdot3LocPortEntry 1 }

lldpV2Xdot3LocPortAutoNegEnabled OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to indicate whether port

 Auto-negotiation is enabled on the given port associated

 with the local system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.2"

 ::= { lldpV2Xdot3LocPortEntry 2 }

lldpV2Xdot3LocPortAutoNegAdvertisedCap OBJECT-TYPE

 SYNTAX OCTET STRING(SIZE(2))

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This object contains the value (bitmap) of the

 ifMauAutoNegCapAdvertisedBits object (defined in IETF RFC

 3636) which is associated with the given port on the

 local system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.3"

 ::= { lldpV2Xdot3LocPortEntry 3 }

lldpV2Xdot3LocPortOperMauType OBJECT-TYPE

 SYNTAX Unsigned32(0..2147483647)

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "An integer value that indicates the operational MAU type

 of the given port on the local system.

 This object contains the integer value derived from the

 list position of the corresponding dot3MauType as listed

 in Clause 13 and is equal to the last number in the

 respective dot3MauType OID.

 For example, if the ifMauType object is dot3MauType1000BaseTHD

 which corresponds to {dot3MauType 29}, the numerical value of

 this field is 29. For MAU types not listed in Clause 13,

 the value of this field shall be set to zero."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.4"

 ::= { lldpV2Xdot3LocPortEntry 4 }

---

---

--- lldpV2Xdot3LocPowerTable: Power Ethernet Information Table

--- V2 modified to be indexed by ifIndex.

---

---

lldpV2Xdot3LocPowerTable OBJECT-TYPE

 SYNTAX SEQUENCE OF LldpV2Xdot3LocPowerEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "This table contains one row per port of power Ethernet

 information (as a part of the LLDP IEEE 802.3 organizational

 extension) on the local system known to this agent."

 ::= { lldpV2Xdot3LocalData 2 }

lldpV2Xdot3LocPowerEntry OBJECT-TYPE

 SYNTAX LldpV2Xdot3LocPowerEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Information about a particular port component."

 INDEX { lldpV2LocPortIfIndex }

 ::= { lldpV2Xdot3LocPowerTable 1 }

LldpV2Xdot3LocPowerEntry ::= SEQUENCE {

 lldpV2Xdot3LocPowerPortClass LldpV2PowerPortClass,

 lldpV2Xdot3LocPowerMDISupported TruthValue,

 lldpV2Xdot3LocPowerMDIEnabled TruthValue,

 lldpV2Xdot3LocPowerPairControlable TruthValue,

 lldpV2Xdot3LocPowerPairs INTEGER,

 lldpV2Xdot3LocPowerClass INTEGER,

 lldpV2Xdot3LocPowerType BITS,

 lldpV2Xdot3LocPowerSource INTEGER,

 lldpV2Xdot3LocPowerPriority INTEGER,

 lldpV2Xdot3LocPDRequestedPowerValue Integer32,

 lldpV2Xdot3LocPDRequestedPowerValueA Integer32,

 lldpV2Xdot3LocPDRequestedPowerValueB Integer32,

 lldpV2Xdot3LocPSEAllocatedPowerValue Integer32,

 lldpV2Xdot3LocPSEAllocatedPowerValueA Integer32,

 lldpV2Xdot3LocPSEAllocatedPowerValueB Integer32,

 lldpV2Xdot3LocPSEPoweringStatus INTEGER,

 lldpV2Xdot3LocPDPoweredStatus INTEGER,

 lldpV2Xdot3LocPowerPairsExt INTEGER,

 lldpV2Xdot3LocPowerClassExtA INTEGER,

 lldpV2Xdot3LocPowerClassExtB INTEGER,

 lldpV2Xdot3LocPowerClassExt INTEGER,

 lldpV2Xdot3LocPowerTypeExt INTEGER,

 lldpV2Xdot3LocPDLoad TruthValue,

 lldpV2Xdot3LocPD4PID TruthValue,

 lldpV2Xdot3LocPSEMaxAvailPower Integer32,

 lldpV2Xdot3LocPSEAutoclassSupport TruthValue,

 lldpV2Xdot3LocPSEAutoclassCompleted TruthValue,

 lldpV2Xdot3LocPSEAutoclassRequest TruthValue,

 lldpV2Xdot3LocPowerDownRequest INTEGER,

 lldpV2Xdot3LocPowerDownTime Integer32,

 lldpV2Xdot3LocMeasVoltageSupport TruthValue,

 lldpV2Xdot3LocMeasCurrentSupport TruthValue,

 lldpV2Xdot3LocMeasPowerSupport TruthValue,

 lldpV2Xdot3LocMeasEnergySupport TruthValue,

 lldpV2Xdot3LocMeasurementSource TruthValue,

 lldpV2Xdot3LocMeasVoltageRequest TruthValue,

 lldpV2Xdot3LocMeasCurrentRequest TruthValue,

 lldpV2Xdot3LocMeasPowerRequest TruthValue,

 lldpV2Xdot3LocMeasEnergyRequest TruthValue,

 lldpV2Xdot3LocMeasVoltageValid TruthValue,

 lldpV2Xdot3LocMeasCurrentValid TruthValue,

 lldpV2Xdot3LocMeasPowerValid TruthValue,

 lldpV2Xdot3LocMeasEnergyValid TruthValue,

 lldpV2Xdot3LocMeasVoltageUncertainty Integer32,

 lldpV2Xdot3LocMeasCurrentUncertainty Integer32,

 lldpV2Xdot3LocMeasPowerUncertainty Integer32,

 lldpV2Xdot3LocMeasEnergyUncertainty Integer32,

 lldpV2Xdot3LocVoltageMeasurement Integer32,

 lldpV2Xdot3LocCurrentMeasurement Integer32,

 lldpV2Xdot3LocPowerMeasurement Integer32,

 lldpV2Xdot3LocEnergyMeasurement Integer32,

 lldpV2Xdot3LocPSEPowerPriceIndex Integer32,

 lldpV2Xdot3LocResponseTime Integer32,

 lldpV2Xdot3LocReady TruthValue

}

lldpV2Xdot3LocPowerPortClass OBJECT-TYPE

 SYNTAX LldpV2PowerPortClass

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The value that identifies the port Class of the given port

 associated with the local system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.5"

 ::= { lldpV2Xdot3LocPowerEntry 1 }

lldpV2Xdot3LocPowerMDISupported OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a PSE, the truth value used to indicate whether the MDI

 power is supported on the given port associated with the

 local system. For a PD, this attribute is undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.6"

 ::= { lldpV2Xdot3LocPowerEntry 2 }

lldpV2Xdot3LocPowerMDIEnabled OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a PSE, the truth value used to identify whether MDI

 power is enabled on the given port associated with the

 local system. For a PD, this attribute is undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.7"

 ::= { lldpV2Xdot3LocPowerEntry 3 }

lldpV2Xdot3LocPowerPairControlable OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A truth value used to indicate the ability to control which

 PSE Pinout Alternative (see IEEE Std 802.3, 33.2.3 and 145.2.4)

 is used for PD detection and power. For a PSE, this attribute

 contains the value of the aPSEPowerPairsControlAbility attribute

 (see IEEE Std 802.3, 30.9.1.1.3). For a PD, the contents of this

 this attribute are undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.8"

 ::= { lldpV2Xdot3LocPowerEntry 4 }

lldpV2Xdot3LocPowerPairs OBJECT-TYPE

 SYNTAX INTEGER {

 signal(0),

 spare(1)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the PSE Pinout Alternative

 (see IEEE Std 802.3, 33.2.3 and 145.2.4) in use for detecting

 and supplying power to the PD.

 For a PSE, this attribute contains a value derived from the

 aPSEPowerPairs attribute (see IEEE Std 802.3, 30.9.1.1.4).

 For a PD, the contents of this attribute are undefined.

 A Type 3 or Type 4 PSE detecting or supplying power on both PSE

 Pinout Alternatives may return either PSE Pinout Alternative as

 this configuration is communicated through the

 aLldpXdot3LocPowerPairsExt attribute.

 A Type 3 or Type 4 PSE supplying power on only one PSE Pinout

 Alternative returns that PSE Pinout Alternative.

 For a PD, the contents of this attribute are undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.9"

 ::= { lldpV2Xdot3LocPowerEntry 5 }

lldpV2Xdot3LocPowerClass OBJECT-TYPE

 SYNTAX INTEGER {

 class0(0),

 class1(1),

 class2(2),

 class3(3),

 class4(4)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the requested Class of the PD as specified

 in IEEE Std 802.3, 33.2.6 and 145.2.8.

 This attribute returns an enumeration of ‘class4’ for a PD of Class 4

 or higher as such PD Classes are identified through the

 aLldpXdot3LocPowerClassExt attribute.."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.10"

 ::= { lldpV2Xdot3LocPowerEntry 6 }

lldpV2Xdot3LocPowerType OBJECT-TYPE

 SYNTAX BITS {

 type1p(0),

 pdpse(1)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute that returns a bit string indicating whether

 the local system is a PSE or a PD and whether it is Type 1 or

 greater than Type 1. The first bit (‘type1’) indicates Type 1

 or greater than Type 1.

 The second bit (‘pdpse’) indicates PSE or PD."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.14"

 ::= { lldpV2Xdot3LocPowerEntry 7 }

lldpV2Xdot3LocPowerSource OBJECT-TYPE

 SYNTAX INTEGER {

 pseprimary(0),

 psebackup(1),

 pseunknown(2),

 pdpseandlocal(3),

 pdpseonly(4),

 pdunknown(5)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns an integer indicating the power sources of the

 local system. A PSE indicates whether it is being powered by

 a primary power source; a backup power source; or unknown. A PD

 indicates whether it is being powered by a PSE and locally;

 by a PSE only; or unknown."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.15"

 ::= { lldpV2Xdot3LocPowerEntry 8 }

lldpV2Xdot3LocPowerPriority OBJECT-TYPE

 SYNTAX INTEGER {

 low(0),

 high(1),

 critical(2),

 unknown(3)

 }

 MAX-ACCESS read-write

 STATUS current

 DESCRIPTION

 "A GET returns the priority of a PD system. For a PSE, this

 is the priority that the PSE assigns to the PD. For a PD, this

 is the priority that the PD requests from the PSE. A SET

 operation changes the priority of the PD system to the indicated

 value."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.16"

 ::= { lldpV2Xdot3LocPowerEntry 9 }

lldpV2Xdot3LocPDRequestedPowerValue OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the PD requested power value in units of 0.1W.

 For a PD, it is the power value that the PD has currently

 requested from the remote system. PD requested power value

 is the maximum input average power the PD ever draws under

 this power allocation if accepted. For a PSE, it is the power

 value that the PSE echoes back to the remote system. This is

 the PD requested power value that was used by the PSE to compute

 the power it has currently allocated to the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.17"

 ::= { lldpV2Xdot3LocPowerEntry 10 }

lldpV2Xdot3LocPDRequestedPowerValueA OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the PD requested power value for the Mode A

 pairset in units of 0.1 W.

 For a PD, it is the power value that the PD has currently

 requested from the remote system for the Mode A pairset.

 For a PSE, it is the power value for the Alternative A

 pairset that the PSE echoes back to the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.18"

 ::= { lldpV2Xdot3LocPowerEntry 11 }

lldpV2Xdot3LocPDRequestedPowerValueB OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the PD requested power value for the Mode B

 pairset in units of 0.1 W.

 For a PD, it is the power value that the PD has currently

 requested from the remote system for the Mode B pairset.

 For a PSE, it is the power value for the Alternative B

 pairset that the PSE echoes back to the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.20"

 ::= { lldpV2Xdot3LocPowerEntry 12 }

lldpV2Xdot3LocPSEAllocatedPowerValue OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the PSE allocated power value in units of 0.1W.

 For a PSE, it is the power value that the PSE has currently

 allocated to the remote system. The PSE allocated power value

 is the maximum input average power that the PSE wants the PD

 to ever draw under this allocation if it is accepted. For a PD,

 it is the power value that the PD echoes back to the remote

 system. This is the PSE allocated power value that was used by

 the PD to compute the power that it has currently requested from

 the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.20"

 ::= { lldpV2Xdot3LocPowerEntry 13 }

lldpV2Xdot3LocPSEAllocatedPowerValueA OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the PSE allocated power value for the

 Alternative A pairset in units of 0.1 W.

 For a PSE, it is the power value for the Alternative A pairset

 that the PSE has currently allocated to the remote system.

 For a PD, it is the power value for the Mode A pairset that

 the PD echoes back to the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.21"

 ::= { lldpV2Xdot3LocPowerEntry 14 }

lldpV2Xdot3LocPSEAllocatedPowerValueB OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the PSE allocated power value for the

 Alternative B pairset in units of 0.1 W.

 For a PSE, it is the power value for the Alternative B pairset

 that the PSE has currently allocated to the remote system.

 For a PD, it is the power value for the Mode B pairset that

 the PD echoes back to the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.22"

 ::= { lldpV2Xdot3LocPowerEntry 15 }

lldpV2Xdot3LocPSEPoweringStatus OBJECT-TYPE

 SYNTAX INTEGER {

 4PdualsigPD(0),

 4PsinglesigPD(1),

 2P(2)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the powering status of the PSE.

 For a PD, the contents of this attribute are undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.23"

 ::= { lldpV2Xdot3LocPowerEntry 16 }

lldpV2Xdot3LocPDPoweredStatus OBJECT-TYPE

 SYNTAX INTEGER {

 4PdualsigPD(0),

 2PdualsigPD(1),

 singlesigPD(2)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the powering status of the PD.

 For a PSE, the contents of this attribute are undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.24"

 ::= { lldpV2Xdot3LocPowerEntry 17 }

lldpV2Xdot3LocPowerPairsExt OBJECT-TYPE

 SYNTAX INTEGER {

 altA(0),

 altB(1),

 both(2)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the supported PSE Pinout Alternative

 specified in IEEE Std 802.3, 145.2.4.

 For a PSE, this attribute contains the value of the aPSEPowerPairs

 attribute (see IEEE Std 802.3, 30.9.1.1.4).

 For a PD, the contents of this attribute are undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.25"

 ::= { lldpV2Xdot3LocPowerEntry 18 }

lldpV2Xdot3LocPowerClassExtA OBJECT-TYPE

 SYNTAX INTEGER {

 singlesig(0),

 class1(1),

 class2(2),

 class3(3),

 class4(4),

 class5(5)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a dual-signature PD, this attribute indicates the

 requested Class for Mode A during Physical Layer Classification

 (see IEEE Std 802.3, 145.3.6).

 For a single-signature PD, this attribute is set to ‘singlesig’.

 For a PSE connected to a dual-signature PD, this attribute

 indicates the currently assigned Class for Mode A

 (see IEEE Std 802.3, 145.2.8).

 For a PSE connected to a single-signature PD or a PSE that operates

 only in 2-pair mode, this attribute is set to ‘singlesig’."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.26"

 ::= { lldpV2Xdot3LocPowerEntry 19 }

lldpV2Xdot3LocPowerClassExtB OBJECT-TYPE

 SYNTAX INTEGER {

 singlesig(0),

 class1(1),

 class2(2),

 class3(3),

 class4(4),

 class5(5)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a dual-signature PD, this attribute indicates the

 requested Class for Mode B during Physical Layer Classification

 (see IEEE Std 802.3, 145.3.6).

 For a single-signature PD, this attribute is set to ‘singlesig’.

 For a PSE connected to a dual-signature PD, this attribute

 indicates the currently assigned Class for Mode B

 (see IEEE Std 802.3, 145.2.8).

 For a PSE connected to a single-signature PD or a PSE that operates

 only in 2-pair mode, this attribute is set to ‘singlesig’."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.27"

 ::= { lldpV2Xdot3LocPowerEntry 20 }

lldpV2Xdot3LocPowerClassExt OBJECT-TYPE

 SYNTAX INTEGER {

 dualsig(0),

 class1(1),

 class2(2),

 class3(3),

 class4(4),

 class5(5),

 class6(6),

 class7(7),

 class8(8)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a single-signature PD, this attribute indicates the

 requested Class during Physical Layer Classification

 (see IEEE Std 802.3, 145.3.6).

 For a dual-signature PD, this attribute is set to ‘dualsig’. For a PSE connected to a single-signature PD or a PSE that

 operates only in 2-pair mode, this attribute indicates the

 currently assigned Class (see IEEE Std 802.3, 145.2.8).

 For a PSE connected to a dual-signature PD, this attribute is

 set to ‘dualsig’."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.28"

 ::= { lldpV2Xdot3LocPowerEntry 21 }

lldpV2Xdot3LocPowerTypeExt OBJECT-TYPE

 SYNTAX INTEGER {

 type4dualsigPD(0),

 type4singlesigPD(1),

 type3dualsigPD(2),

 type3singlesigPD(3),

 type4PSE(4),

 type3PSE(5)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicate if the local system is a Type 3 or Type 4

 PSE or PD and, in the case of a Type 3 or Type 4 PD, if it is a

 single-signature PD or a dual-signature PD."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.29"

 ::= { lldpV2Xdot3LocPowerEntry 22 }

lldpV2Xdot3LocPDLoad OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a dual-signature PD, this attribute indicates whether the

 load of a dual-signature PD is electrically isolated, as defined

 in IEEE Std 802.3, 79.3.2.10.2.

 For a single-signature PD or a PSE, the value of this attribute

 is FALSE."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.30"

 ::= { lldpV2Xdot3LocPowerEntry 23 }

lldpV2Xdot3LocPD4PID OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates whether the local PD system supports

 powering of both PD Modes."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.31"

 ::= { lldpV2Xdot3LocPowerEntry 24 }

lldpV2Xdot3LocPSEMaxAvailPower OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute reports the local PSE maximum available power

 value in units of 0.1 W."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.32"

 ::= { lldpV2Xdot3LocPowerEntry 25 }

lldpV2Xdot3LocPSEAutoclassSupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates whether the local PSE system supports Autoclass."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.33"

 ::= { lldpV2Xdot3LocPowerEntry 26 }

lldpV2Xdot3LocPSEAutoclassCompleted OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates whether the local PSE system has completed the Autoclass measurement."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.34"

 ::= { lldpV2Xdot3LocPowerEntry 27 }

lldpV2Xdot3LocPSEAutoclassRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates whether the local PSE system is requesting an Autoclass measurement and power budget

 adjustment."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.35"

 ::= { lldpV2Xdot3LocPowerEntry 28 }

lldpV2Xdot3LocPowerDownRequest OBJECT-TYPE

 SYNTAX INTEGER

 MAX-ACCESS write-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local PD system is requesting

 a power down when the value is 0x1D."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.36"

 ::= { lldpV2Xdot3LocPowerEntry 29 }

lldpV2Xdot3LocPowerDownTime OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS write-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the number of seconds the PD requests

 to stay powered off. A value of zero indicates an

 indefinite amount of time."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.37"

 ::= { lldpV2Xdot3LocPowerEntry 30 }

lldpV2Xdot3LocMeasVoltageSupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device is capable of

 providing a voltage measurement. "

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.38"

 ::= { lldpV2Xdot3LocPowerEntry 31 }

lldpV2Xdot3LocMeasCurrentSupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device is capable of

 providing a current measurement. "

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.39"

 ::= { lldpV2Xdot3LocPowerEntry 32 }

lldpV2Xdot3LocMeasPowerSupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device is capable of

 providing a power measurement."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.40"

 ::= { lldpV2Xdot3LocPowerEntry 33 }

lldpV2Xdot3LocMeasEnergySupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device is capable of

 providing an energy measurement."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.41"

 ::= { lldpV2Xdot3LocPowerEntry 34 }

lldpV2Xdot3LocMeasurementSource OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS write-only

 STATUS current

 DESCRIPTION

 "This attribute indicates to local device on which Alternative

 or Mode the measurement is to be taken."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.42"

 ::= { lldpV2Xdot3LocPowerEntry 35 }

lldpV2Xdot3LocMeasVoltageRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device is requesting

 a voltage measurement from the remote device."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.43"

 ::= { lldpV2Xdot3LocPowerEntry 36 }

lldpV2Xdot3LocMeasCurrentRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device is requesting

 a current measurement from the remote device."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.44"

 ::= { lldpV2Xdot3LocPowerEntry 37 }

lldpV2Xdot3LocMeasPowerRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device is requesting

 a power measurement from the remote device."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.45"

 ::= { lldpV2Xdot3LocPowerEntry 38 }

lldpV2Xdot3LocMeasEnergyRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device is requesting

 energy measurement from the remote device."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.46"

 ::= { lldpV2Xdot3LocPowerEntry 39 }

lldpV2Xdot3LocMeasVoltageValid OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device’s voltage measurement

 is valid."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.47"

 ::= { lldpV2Xdot3LocPowerEntry 40 }

lldpV2Xdot3LocMeasCurrentValid OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device’s current measurement

 is valid."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.48"

 ::= { lldpV2Xdot3LocPowerEntry 41 }

lldpV2Xdot3LocMeasPowerValid OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device’s power measurement

 is valid."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.49"

 ::= { lldpV2Xdot3LocPowerEntry 42 }

lldpV2Xdot3LocMeasEnergyValid OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the local device’s energy measurement

 is valid."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.50"

 ::= { lldpV2Xdot3LocPowerEntry 43 }

lldpV2Xdot3LocMeasVoltageUncertainty OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the expanded uncertainty

 (coverage factor k = 2) for the device’s voltage measurement.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.51"

 ::= { lldpV2Xdot3LocPowerEntry 44 }

lldpV2Xdot3LocMeasCurrentUncertainty OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the expanded uncertainty

 (coverage factor k = 2) for the device’s current measurement.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.52"

 ::= { lldpV2Xdot3LocPowerEntry 45 }

lldpV2Xdot3LocMeasPowerUncertainty OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the expanded uncertainty

 (coverage factor k = 2) for the device’s power measurement.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.53"

 ::= { lldpV2Xdot3LocPowerEntry 46 }

lldpV2Xdot3LocMeasEnergyUncertainty OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the expanded uncertainty

 (coverage factor k = 2) for the device’s energy measurement.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.54"

 ::= { lldpV2Xdot3LocPowerEntry 47 }

lldpV2Xdot3LocVoltageMeasurement OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the measured device voltage.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.55"

 ::= { lldpV2Xdot3LocPowerEntry 48 }

lldpV2Xdot3LocCurrentMeasurement OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the measured device current.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.56"

 ::= { lldpV2Xdot3LocPowerEntry 49 }

lldpV2Xdot3LocPowerMeasurement OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the measured device power.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.57"

 ::= { lldpV2Xdot3LocPowerEntry 50 }

lldpV2Xdot3LocEnergyMeasurement OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the measured device energy.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.58"

 ::= { lldpV2Xdot3LocPowerEntry 51 }

lldpV2Xdot3LocPSEPowerPriceIndex OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates an index of the price of power being

 sourced by the PSE. For a PD, this value is undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.59"

 ::= { lldpV2Xdot3LocPowerEntry 52 }

lldpV2Xdot3LocResponseTime OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the response time in seconds of the local system.

 For a PD, it is the maximum time required to update the value of

 lldpV2Xdot3LocPDRequestedPowerValue when the remote system

 requests the PD to change its max power draw. For a PSE, it is

 the maximum time required to update the value of

 lldpV2Xdot3LocPDRequestedPowerValue when the remote system

 requests of the PSE a new power value."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.60"

 ::= { lldpV2Xdot3LocPowerEntry 53 }

lldpV2Xdot3LocReady OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the local Data Link Layer

 classification engine has completed initialization and is ready to

 receive and transmit LLDPDUs."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.61"

 ::= { lldpV2Xdot3LocPowerEntry 54 }

IEEE Std 802.3, 30

---

---

--- lldpV2Xdot3LocMaxFrameSizeTable: Maximum Frame Size information

--- V2 modified to be indexed by ifIndex.

---

---

lldpV2Xdot3LocMaxFrameSizeTable OBJECT-TYPE

 SYNTAX SEQUENCE OF LldpV2Xdot3LocMaxFrameSizeEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "This table contains one row per port of maximum frame

 size information (as a part of the LLDP IEEE 802.3 organizational

 extension) on the local system known to this agent."

 ::= { lldpV2Xdot3LocalData 3 }

lldpV2Xdot3LocMaxFrameSizeEntry OBJECT-TYPE

 SYNTAX LldpV2Xdot3LocMaxFrameSizeEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Maximum Frame Size information about a particular port

 component."

 INDEX { lldpV2LocPortIfIndex }

 ::= { lldpV2Xdot3LocMaxFrameSizeTable 1 }

LldpV2Xdot3LocMaxFrameSizeEntry ::= SEQUENCE {

 lldpV2Xdot3LocMaxFrameSize Unsigned32

}

lldpV2Xdot3LocMaxFrameSize OBJECT-TYPE

 SYNTAX Unsigned32(0..65535)

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "An integer value indicating the maximum supported frame

 size in octets on the given port of the local system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.13"

 ::= { lldpV2Xdot3LocMaxFrameSizeEntry 1 }

---

---

--- lldpV2Xdot3LocEEETable: Energy Efficient Ethernet Information Table

--- V2 modified to be indexed by ifIndex.

---

---

lldpV2Xdot3LocEEETable OBJECT-TYPE

 SYNTAX SEQUENCE OF LldpV2Xdot3LocEEEEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "This table contains one row per port of Energy Efficient Ethernet

 information (as a part of the LLDP IEEE 802.3 organizational

 extension) on the local system known to this agent."

 ::= { lldpV2Xdot3LocalData 4 }

lldpV2Xdot3LocEEEEntry OBJECT-TYPE

 SYNTAX LldpV2Xdot3LocEEEEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Information about a particular port component."

 INDEX { lldpV2LocPortIfIndex }

 ::= { lldpV2Xdot3LocEEETable 1 }

LldpV2Xdot3LocEEEEntry ::= SEQUENCE {

 lldpV2Xdot3LocTxTwSys Integer32,

 lldpV2Xdot3LocTxTwSysEcho Integer32,

 lldpV2Xdot3LocRxTwSys Integer32,

 lldpV2Xdot3LocRxTwSysEcho Integer32,

 lldpV2Xdot3LocFbTwSys Integer32,

 lldpV2Xdot3TxDllReady TruthValue,

 lldpV2Xdot3RxDllReady TruthValue,

 lldpV2Xdot3LocDllEnabled TruthValue,

 lldpV2Xdot3LocTxFw TruthValue,

 lldpV2Xdot3LocTxFwEcho TruthValue,

 lldpV2Xdot3LocRxFw TruthValue,

 lldpV2Xdot3LocRxFwEcho TruthValue,

 lldpV2Xdot3LocPreemptSupported TruthValue,

 lldpV2Xdot3LocPreemptEnabled TruthValue,

 lldpV2Xdot3LocPreemptActive TruthValue,

 lldpV2Xdot3LocAddFragSize Integer32

}

lldpV2Xdot3LocTxTwSys OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of Tw\_sys\_tx that the local system

 can support in the transmit direction.

 This object maps to the variable LocTxSystemValue as defined

 in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.62"

 ::= {lldpV2Xdot3LocEEEEntry 1 }

lldpV2Xdot3LocTxTwSysEcho OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of Tw\_sys\_tx that the remote system is

 advertising that it can support in the transmit direction and is

 echoed by the local system under the control of the EEE DLL receiver

 state diagram. This object maps to the variable

 LocTxSystemValueEcho as defined in IEEE Std 802.3, 78.4.2.3"

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.63"

 ::= {lldpV2Xdot3LocEEEEntry 2 }

lldpV2Xdot3LocRxTwSys OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of Tw\_sys\_tx that

 the local system is requesting in the receive direction.

 This object maps to the variable LocRxSystemValue as

 defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.64"

 ::= {lldpV2Xdot3LocEEEEntry 3 }

lldpV2Xdot3LocRxTwSysEcho OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of Tw\_sys\_tx that

 the remote system is advertising that it is requesting in the

 receive direction and is echoed by the local system under the

 control of the EEE DLL transmitter state diagram. This object

 maps to the variable LocRxSystemValueEcho as defined in

 IEEE Std 802.3 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.65"

 ::= {lldpV2Xdot3LocEEEEntry 4 }

lldpV2Xdot3LocFbTwSys OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of the fallback Tw\_sys\_tx

 that the local system is advertising to the remote system.

 This object maps to the variable LocFbSystemValue as defined

 in IEEE Std 802.3 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.66"

 ::= {lldpV2Xdot3LocEEEEntry 5 }

lldpV2Xdot3TxDllReady OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the local Data Link Layer

 EEE layer management function has completed initialization and

 is ready to receive and transmit LLDPDUs."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.67"

 ::= {lldpV2Xdot3LocEEEEntry 6 }

lldpV2Xdot3RxDllReady OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the local Data Link Layer

 EEE layer management function has completed initialization and

 is ready to receive and transmit LLDPDUs."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.68"

 ::= {lldpV2Xdot3LocEEEEntry 7 }

lldpV2Xdot3LocDllEnabled OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the local system has

 completed auto-negotiation with a link partner that has

 indicated at least one EEE capability."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.69"

 ::= {lldpV2Xdot3LocEEEEntry 8 }

lldpV2Xdot3LocTxFw OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value identifies the LPI\_FW value that the local system can

 support in the transmit direction. This attribute maps to

 variable LocTxSystemFW as defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.70"

 ::= {lldpV2Xdot3LocEEEEntry 9 }

lldpV2Xdot3LocTxFwEcho OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value identifies the LPI\_FW value advertised by the remote

 system and echoed by the local system. This attribute maps to

 variable LocTxSystemFWEcho as defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.71"

 ::= {lldpV2Xdot3LocEEEEntry 10 }

lldpV2Xdot3LocRxFw OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value identifies the LPI\_FW value that the local system is

 requesting in the receive direction. This attribute maps to

 variable LocRxSystemFW as defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.72"

 ::= {lldpV2Xdot3LocEEEEntry 11 }

lldpV2Xdot3LocRxFwEcho OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value identifies the LPI\_FW value requested by the remote

 system and echoed by the local system. This attribute maps to

 variable LocRxSystemFWEcho as defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.73"

 ::= {lldpV2Xdot3LocEEEEntry 12 }

lldpV2Xdot3LocPreemptSupported OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the local system

 supports the preemption capability."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.74"

 ::= {lldpV2Xdot3LocEEEEntry 13 }

lldpV2Xdot3LocPreemptEnabled OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the preemption

 capability is enabled on the local system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.75"

 ::= {lldpV2Xdot3LocEEEEntry 14 }

lldpV2Xdot3LocPreemptActive OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the preemption

 capability is active on the local system."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.76"

 ::= {lldpV2Xdot3LocEEEEntry 15 }

lldpV2Xdot3LocAddFragSize OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value indicates the minimum size of non-final

 fragments supported by the local system. This value

 is expressed in units of 64 octets of additional

 fragment length."

 REFERENCE

 "IEEE Std 802.3, 30.12.2.1.77"

 ::= {lldpV2Xdot3LocEEEEntry 16 }

------------------------------------------------------------------------------

-- IEEE 802.3 - Remote Devices Information

------------------------------------------------------------------------------

---

---

--- lldpV2Xdot3RemPortTable: Ethernet Information Table

--- V2 modified to be indexed by ifIndex and destination MAC address.

---

---

lldpV2Xdot3RemPortTable OBJECT-TYPE

 SYNTAX SEQUENCE OF LldpV2Xdot3RemPortEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "This table contains Ethernet port information (as a part

 of the LLDP IEEE 802.3 organizational extension) of the remote

 system."

 ::= { lldpV2Xdot3RemoteData 1 }

lldpV2Xdot3RemPortEntry OBJECT-TYPE

 SYNTAX LldpV2Xdot3RemPortEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Information about a particular physical network connection."

 INDEX { lldpV2RemTimeMark,

 lldpV2RemLocalIfIndex,

 lldpV2RemLocalDestMACAddress,

 lldpV2RemIndex }

 ::= { lldpV2Xdot3RemPortTable 1 }

LldpV2Xdot3RemPortEntry ::= SEQUENCE {

 lldpV2Xdot3RemPortAutoNegSupported TruthValue,

 lldpV2Xdot3RemPortAutoNegEnabled TruthValue,

 lldpV2Xdot3RemPortAutoNegAdvertisedCap OCTET STRING,

 lldpV2Xdot3RemPortOperMauType Unsigned32

}

lldpV2Xdot3RemPortAutoNegSupported OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to indicate whether the given port

 (associated with remote system) supports Auto-negotiation."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.1"

 ::= { lldpV2Xdot3RemPortEntry 1 }

lldpV2Xdot3RemPortAutoNegEnabled OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to indicate whether port

 Auto-negotiation is enabled on the given port associated

 with the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.2"

 ::= { lldpV2Xdot3RemPortEntry 2 }

lldpV2Xdot3RemPortAutoNegAdvertisedCap OBJECT-TYPE

 SYNTAX OCTET STRING(SIZE(2))

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This object contains the value (bitmap) of the

 ifMauAutoNegCapAdvertisedBits object (defined in IETF RFC

 3636) which is associated with the given port on the

 remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.3"

 ::= { lldpV2Xdot3RemPortEntry 3 }

lldpV2Xdot3RemPortOperMauType OBJECT-TYPE

 SYNTAX Unsigned32(0..2147483647)

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "An integer value that indicates the operational MAU type

 of the sending device.

 This object contains the integer value derived from the

 list position of the corresponding dot3MauType as listed in

 in Clause 13 and is equal to the last number in

 the respective dot3MauType OID.

 For example, if the ifMauType object is dot3MauType1000BaseTHD

 which corresponds to {dot3MauType 29}, the numerical value of

 this field is 29. For MAU types not listed in Clause 13,

 the value of this field shall be set to zero."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.4"

 ::= { lldpV2Xdot3RemPortEntry 4 }

---

---

--- lldpV2Xdot3RemPowerTable: Power Ethernet Information Table

--- V2 modified to be indexed by ifIndex and destination MAC address.

---

---

lldpV2Xdot3RemPowerTable OBJECT-TYPE

 SYNTAX SEQUENCE OF LldpV2Xdot3RemPowerEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "This table contains Ethernet power information (as a part

 of the LLDP IEEE 802.3 organizational extension) of the remote

 system."

 ::= { lldpV2Xdot3RemoteData 2 }

lldpV2Xdot3RemPowerEntry OBJECT-TYPE

 SYNTAX LldpV2Xdot3RemPowerEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Information about a particular physical network connection."

 INDEX { lldpV2RemTimeMark,

 lldpV2RemLocalIfIndex,

 lldpV2RemLocalDestMACAddress,

 lldpV2RemIndex }

 ::= { lldpV2Xdot3RemPowerTable 1 }

LldpV2Xdot3RemPowerEntry ::= SEQUENCE {

 lldpV2Xdot3RemPowerPortClass LldpV2PowerPortClass,

 lldpV2Xdot3RemPowerMDISupported TruthValue,

 lldpV2Xdot3RemPowerMDIEnabled TruthValue,

 lldpV2Xdot3RemPowerPairControlable TruthValue,

 lldpV2Xdot3RemPowerPairs Unsigned32,

 lldpV2Xdot3RemPowerClass Unsigned32,

 lldpV2Xdot3RemPowerType INTEGER,

 lldpV2Xdot3RemPowerSource INTEGER,

 lldpV2Xdot3RemPowerPriority INTEGER,

 lldpV2Xdot3RemPDRequestedPowerValue Integer32,

 lldpV2Xdot3RemPSEAllocatedPowerValue Integer32,

 lldpV2Xdot3RemPDRequestedPowerValueA Integer32,

 lldpV2Xdot3RemPDRequestedPowerValueB Integer32,

 lldpV2Xdot3RemPSEAllocatedPowerValue Integer32,

 lldpV2Xdot3RemPSEAllocatedPowerValueA Integer32,

 lldpV2Xdot3RemPSEAllocatedPowerValueB Integer32,

 lldpV2Xdot3RemPSEPoweringStatus INTEGER,

 lldpV2Xdot3RemPDPoweredStatus INTEGER,

 lldpV2Xdot3RemPowerPairsExt INTEGER,

 lldpV2Xdot3RemPowerClassExtA INTEGER,

 lldpV2Xdot3RemPowerClassExtB INTEGER,

 lldpV2Xdot3RemPowerClassExt INTEGER,

 lldpV2Xdot3RemPowerTypeExt INTEGER,

 lldpV2Xdot3RemPDLoad TruthValue,

 lldpV2Xdot3RemPD4PID TruthValue,

 lldpV2Xdot3RemPSEMaxAvailPower Integer32,

 lldpV2Xdot3RemPSEAutoclassSupport TruthValue,

 lldpV2Xdot3RemPSEAutoclassCompleted TruthValue,

 lldpV2Xdot3RemPSEAutoclassRequest TruthValue,

 lldpV2Xdot3RemPowerDownRequest TruthValue,

 lldpV2Xdot3RemPowerDownTime TruthValue,

 lldpV2Xdot3RemMeasVoltageSupport TruthValue,

 lldpV2Xdot3RemMeasCurrentSupport TruthValue,

 lldpV2Xdot3RemMeasPowerSupport TruthValue,

 lldpV2Xdot3RemMeasEnergySupport TruthValue,

 lldpV2Xdot3RemMeasurementSource TruthValue,

 lldpV2Xdot3RemMeasVoltageRequest TruthValue,

 lldpV2Xdot3RemMeasCurrentRequest TruthValue,

 lldpV2Xdot3RemMeasPowerRequest TruthValue,

 lldpV2Xdot3RemMeasEnergyRequest TruthValue,

 lldpV2Xdot3RemMeasVoltageValid TruthValue,

 lldpV2Xdot3RemMeasCurrentValid TruthValue,

 lldpV2Xdot3RemMeasPowerValid TruthValue,

 lldpV2Xdot3RemMeasEnergyValid TruthValue,

 lldpV2Xdot3RemMeasVoltageUncertainty Integer32,

 lldpV2Xdot3RemMeasCurrentUncertainty Integer32,

 lldpV2Xdot3RemMeasPowerUncertainty Integer32,

 lldpV2Xdot3RemMeasEnergyUncertainty Integer32,

 lldpV2Xdot3RemVoltageMeasurement Integer32,

 lldpV2Xdot3RemCurrentMeasurement Integer32,

 lldpV2Xdot3RemPowerMeasurement Integer32,

 lldpV2Xdot3RemEnergyMeasurement Integer32,

 lldpV2Xdot3RemPSEPowerPriceIndex Integer32

}

lldpV2Xdot3RemPowerPortClass OBJECT-TYPE

 SYNTAX LldpV2PowerPortClass

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The value that identifies the port Class of the given port

 associated with the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.5"

 ::= { lldpV2Xdot3RemPowerEntry 1 }

lldpV2Xdot3RemPowerMDISupported OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to indicate whether the MDI power

 is supported on the given port associated with the remote

 system."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.6"

 ::= { lldpV2Xdot3RemPowerEntry 2 }

lldpV2Xdot3RemPowerMDIEnabled OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether MDI power is

 enabled on the given port associated with the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.7"

 ::= { lldpV2Xdot3RemPowerEntry 3 }

lldpV2Xdot3RemPowerPairControlable OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the ability to control which

 PSE Pinout Alternative (see IEEE Std 802.3, 33.2.3

 and 145.2.4) is used for PD detection and power on the

 given port on the remote system. For a PD, this attribute contains the value of the

 aPSEPowerPairsControlAbility attribute (see IEEE Std 802.3,

 30.9.1.1.3) on the given port on the remote system.

 For a PSE, the contents of this attribute are undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.8"

 ::= { lldpV2Xdot3RemPowerEntry 4 }

lldpV2Xdot3RemPowerPairs OBJECT-TYPE

 SYNTAX BITS {

 signal(0),

 spare(1)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the supported PSE Pinout Alternative

 (see IEEE Std 802.3, 33.2.3 and 145.2.4) in use for supplying

 power to the PD on the given port on the remote system. For a PD,

 this attribute contains a value derived from the aPSEPowerPairs

 attribute (see IEEE Std 802.3, 30.9.1.1.4) on the given port on the remote system.

 For a PSE, the contents of this attribute are undefined. When the

 remote system is a Type 3 or Type 4 PSE supplying power on both

 PSE Pinout Alternatives, the value of this attribute can indicate

 either pinout. If the aLldpXdot3RemPowerPairsExt attribute is

 available, it reports this configuration."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.9"

 ::= { lldpV2Xdot3RemPowerEntry 5 }

lldpV2Xdot3RemPowerClass OBJECT-TYPE

 SYNTAX INTEGER {

 class0(0),

 class1(1),

 class2(2),

 class3(3),

 class4(4)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the requested Class of the PD as

 specified in IEEE Std 802.3, 33.2.6 and 145.2.8 on the given

 port on the remote system. This attribute returns an enumeration

 of ‘class4’ for a PD of Class 4 or higher as such PD Classes are

 identified through the aLldpXdot3RemPowerClassExt attribute."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.10"

 ::= { lldpV2Xdot3RemPowerEntry 6 }

lldpV2Xdot3RemPowerType OBJECT-TYPE

 SYNTAX BITS {

 type1p(0),

 pdpse(1)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute that returns a bit string indicating whether

 the remote system is a PSE or a PD and whether it is Type 1 or

 greater than Type 1. The first bit (‘type1’) indicates Type 1

 or greater than Type 1.

 The second bit (‘pdpse’) indicates PSE or PD."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.14"

 ::= { lldpV2Xdot3RemPowerEntry 7 }

lldpV2Xdot3RemPowerSource OBJECT-TYPE

 SYNTAX INTEGER {

 pseprimary(0),

 psebackup(1),

 pseunknown(2),

 pdpseandlocal(3),

 pdlocalonly(4),

 pdpseonly(5),

 pdunknown(6)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns an integer indicating the power sources of the

 remote system. When the remote system is a PSE, it indicates

 whether it is being powered by a primary power source; a backup

 power source; or unknown. When the remote system is a PD, it

 indicates whether it is being powered by a PSE and locally;

 locally only; by a PSE only; or unknown."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.15"

 ::= { lldpV2Xdot3RemPowerEntry 8 }

lldpV2Xdot3RemPowerPriority OBJECT-TYPE

 SYNTAX INTEGER {

 low(0),

 high(1),

 critical(2),

 unknown(3)

 }

 MAX-ACCESS read-write

 STATUS current

 DESCRIPTION

 "A GET returns the priority of a PD system. For a PSE, this

 is the priority that the remote system requests. For a PD, this

 is the priority that the remote system has assigned."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.16"

 ::= { lldpV2Xdot3RemPowerEntry 9 }

lldpV2Xdot3RemPDRequestedPowerValue OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the PD requested power value that was used

 by the remote system to compute the power value that is has

 currently allocated to the PD. For a PSE, it is the PD requested

 power value received from the remote system. The definition and

 encoding of PD requested power value is the same as described in

 lldpV2Xdot3LocPDRequestedPowerValue."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.17"

 ::= { lldpV2Xdot3RemPowerEntry 10 }

lldpV2Xdot3RemPDRequestedPowerValueA OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the PD requested power value for

 the Mode A pairset that was used by the remote system to

 compute the power value that it has currently allocated to the

 PD. For a PSE, it is the PD requested power value for the

 Alternative A pairset received from the remote system. For a PD,

 it is the PD requested power value for the Alternative A pairset

 that the PSE echoes back to the remote system. The definition and

 encoding of PD requested power value for the Mode A pairset is

 the same as described in aLldpXdot3LocPDRequestedPowerValueA

 (see IEEE Std 802.3, 30.12.2.1.18)."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.18"

 ::= { lldpV2Xdot3RemPowerEntry 11 }

lldpV2Xdot3RemPDRequestedPowerValueB OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the PD requested power value for

 the Mode B pairset that was used by the remote system to

 compute the power value that it has currently allocated to the

 PD. For a PSE, it is the PD requested power value for the

 Alternative B pairset received from the remote system. For a PD,

 it is the PD requested power value for the Alternative B pairset

 that the PSE echoes back to the remote system. The definition and

 encoding of PD requested power value for the Mode B pairset is

 the same as described in aLldpXdot3LocPDRequestedPowerValueB

 (see IEEE Std 802.3, 30.12.2.1.19)."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.19"

 ::= { lldpV2Xdot3RemPowerEntry 12 }

lldpV2Xdot3RemPSEAllocatedPowerValue OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the PSE allocated power value received

 from the remote system. For a PSE, it is the PSE allocated power

 value that was echoed back by the remote PD. For a PD, it is the

 PSE allocated power value received from the remote system. The

 definition and encoding of PSE allocated power value is the same

 as described in aLldpXdot3LocPSEAllocatedPowerValue

 (see IEEE Std 802.3, 30.12.2.1.20)."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.20"

 ::= { lldpV2Xdot3RemPowerEntry 13 }

lldpV2Xdot3RemPSEAllocatedPowerValueA OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the PSE allocated power value for the

 Alternative A pairset received from the remote system. For a PSE,

 it is the PSE allocated power value for the Alternative A pairset that was echoed back by the remote PD. For a PD, it is the PSE

 allocated power value for the Mode A pairset received from the

 remote system. The definition and encoding of PSE allocated power

 value for the Alternative A pairset is the same as described in aLldpXdot3LocPSEAllocatedPowerValueA

 (see IEEE Std 802.3, 30.12.2.1.21)."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.21"

 ::= { lldpV2Xdot3RemPowerEntry 14 }

lldpV2Xdot3RemPSEAllocatedPowerValueB OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the PSE allocated power value for the

 Alternative B pairset received from the remote system. For a PSE,

 it is the PSE allocated power value for the Alternative B pairset that was echoed back by the remote PD. For a PD, it is the PSE

 allocated power value for the Mode B pairset received from the

 remote system. The definition and encoding of PSE allocated power

 value for the Alternative B pairset is the same as described in aLldpXdot3LocPSEAllocatedPowerValueB

 (see IEEE Std 802.3, 30.12.2.1.22)."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.22"

 ::= { lldpV2Xdot3RemPowerEntry 15 }

lldpV2Xdot3RemPSEPoweringStatus OBJECT-TYPE

 SYNTAX INTEGER {

 4PdualsigPD(0),

 4PsinglesigPD(1),

 2P(2)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the powering status of the remote PSE.

 For a PSE, the contents of this attribute are undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.23"

 ::= {lldpV2Xdot3RemPowerEntry 16 }

lldpV2Xdot3RemPDPoweredStatus OBJECT-TYPE

 SYNTAX INTEGER {

 4PdualsigPD(0),

 2PdualsigPD(1),

 singlesigPD(2)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the powering status of the remote PD.

 For a PD, the contents of this attribute are undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.24"

 ::= {lldpV2Xdot3RemPowerEntry 17 }

lldpV2Xdot3RemPowerPairsExt OBJECT-TYPE

 SYNTAX INTEGER {

 altA(0),

 altB(1),

 both(2)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute identifies the supported PSE Pinout Alternative

 specified in IEEE Std 802.3, 145.2.4.

 For a PD, this attribute contains the value of the aPSEPowerPairs

 attribute (see IEEE Std 802.3, 30.9.1.1.4) as sent by the remote PSE.

 For a PSE, the contents of this attribute are undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.25"

 ::= { lldpV2Xdot3RemPowerEntry 18 }

lldpV2Xdot3RemPowerClassExtA OBJECT-TYPE

 SYNTAX INTEGER {

 singlesig(0),

 class1(1),

 class2(2),

 class3(3),

 class4(4),

 class5(5)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a dual-signature PD, this attribute indicates the currently

 assigned Class for Mode A by the remote 4-pair PSE.

 For a single-signature PD or a dual-signature PD connected to a

 2-pair only PSE, this attribute is set to ‘singlesig’ by the remote

 PSE.

 For a PSE connected to a dual-signature PD, this attribute indicates

 the requested Class for Mode A during Physical Layer classification

 (see IEEE Std 802.3, 145.2.8) by the remote PD.

 For a PSE connected to a single-signature PD, this attribute is set to

 ‘singlesig’ by the remote PD."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.26"

 ::= { lldpV2Xdot3RemPowerEntry 19 }

lldpV2Xdot3RemPowerClassExtB OBJECT-TYPE

 SYNTAX INTEGER {

 singlesig(0),

 class1(1),

 class2(2),

 class3(3),

 class4(4),

 class5(5)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a dual-signature PD, this attribute indicates the currently

 assigned Class for Mode B by the remote 4-pair PSE.

 For a single-signature PD or a dual-signature PD connected to a

 2-pair only PSE, this attribute is set to ‘singlesig’ by the remote

 PSE.

 For a PSE connected to a dual-signature PD, this attribute indicates

 the requested Class for Mode B during Physical Layer classification

 (see IEEE Std 802.3, 145.2.8) by the remote PD.

 For a PSE connected to a single-signature PD, this attribute is set to

 ‘singlesig’ by the remote PD."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.27"

 ::= { lldpV2Xdot3RemPowerEntry 20 }

lldpV2Xdot3RemPowerClassExt OBJECT-TYPE

 SYNTAX INTEGER {

 dualsig(0),

 class1(1),

 class2(2),

 class3(3),

 class4(4),

 class5(5),

 class6(6),

 class7(7),

 class8(8)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a single-signature PD or a dual-signature PD connected to

 a 2-pair only PSE, this attribute indicates the currently

 assigned Class by the remote PSE.

 For a dual-signature PD connected to a 4-pair capable PSE, this

 attribute is set to ‘dualsig’ by the remote PSE.

 For a PSE connected to a single-signature PD, this attribute

 indicates the requested Class during Physical Layer classification

 (see IEEE Std 802.3, 145.2.8) by the remote PD.

 For a PSE connected to a dual-signature PD, this attribute is set to

 ‘dualsig’ by the remote PD."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.28"

 ::= { lldpV2Xdot3RemPowerEntry 21 }

lldpV2Xdot3RemPowerTypeExt OBJECT-TYPE

 SYNTAX INTEGER {

 type4dualsigPD(0),

 type4singlesigPD(1),

 type3dualsigPD(2),

 type3singlesigPD(3),

 type4PSE(4),

 type3PSE(5)

 }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicate if the remote system is a Type 3 or Type 4

 PSE or PD and, in the case of a Type 3 or Type 4 PD, if it is a

 single-signature PD or a dual-signature PD."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.29"

 ::= { lldpV2Xdot3RemPowerEntry 22 }

lldpV2Xdot3RemPDLoad OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "For a dual-signature PD, this attribute indicates whether the

 load of a dual-signature PD is electrically isolated, as defined

 in IEEE Std 802.3, 79.3.2.10.2.

 For a PD, the value of this attribute is FALSE."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.30"

 ::= { lldpV2Xdot3RemPowerEntry 23 }

lldpV2Xdot3RemPD4PID OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates whether the remote PD system supports

 powering of both PD Modes."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.31"

 ::= { lldpV2Xdot3RemPowerEntry 24 }

lldpV2Xdot3RemPSEMaxAvailPower OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute reports the remote PSE maximum available power

 value in units of 0.1 W."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.32"

 ::= { lldpV2Xdot3RemPowerEntry 25 }

lldpV2Xdot3RemPSEAutoclassSupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates whether the remote PSE system supports Autoclass."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.33"

 ::= { lldpV2Xdot3RemPowerEntry 26 }

lldpV2Xdot3RemPSEAutoclassCompleted OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates whether the remote PSE system has completed the Autoclass measurement."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.34"

 ::= { lldpV2Xdot3RemPowerEntry 27 }

lldpV2Xdot3RemPSEAutoclassRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates whether the remote PSE system is requesting an Autoclass measurement and power budget

 adjustment."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.35"

 ::= { lldpV2Xdot3RemPowerEntry 28 }

lldpV2Xdot3RemPowerDownRequest OBJECT-TYPE

 SYNTAX INTEGER

 MAX-ACCESS write-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote PD system is requesting

 a power down when the value is 0x1D."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.36"

 ::= { lldpV2Xdot3RemPowerEntry 29 }

lldpV2Xdot3RemPowerDownTime OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS write-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the number of seconds the remote PD

 requests to stay powered off. A value of zero indicates an

 indefinite amount of time."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.37"

 ::= { lldpV2Xdot3RemPowerEntry 30 }

lldpV2Xdot3RemMeasVoltageSupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device is capable of

 providing a voltage measurement. "

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.38"

 ::= { lldpV2Xdot3RemPowerEntry 31 }

lldpV2Xdot3RemMeasCurrentSupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device is capable of

 providing a current measurement. "

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.39"

 ::= { lldpV2Xdot3RemPowerEntry 32 }

lldpV2Xdot3RemMeasPowerSupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device is capable of

 providing a power measurement."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.40"

 ::= { lldpV2Xdot3RemPowerEntry 33 }

lldpV2Xdot3RemMeasEnergySupport OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device is capable of

 providing an energy measurement."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.41"

 ::= { lldpV2Xdot3RemPowerEntry 34 }

lldpV2Xdot3RemMeasurementSource OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS write-only

 STATUS current

 DESCRIPTION

 "This attribute indicates to remote device on which Alternative

 or Mode the measurement is to be taken."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.42"

 ::= { lldpV2Xdot3RemPowerEntry 35 }

lldpV2Xdot3RemMeasVoltageRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device is requesting

 a voltage measurement from the local device."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.43"

 ::= { lldpV2Xdot3RemPowerEntry 36 }

lldpV2Xdot3RemMeasCurrentRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device is requesting

 a current measurement from the local device."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.44"

 ::= { lldpV2Xdot3RemPowerEntry 37 }

lldpV2Xdot3RemMeasPowerRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device is requesting

 a power measurement from the local device."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.45"

 ::= { lldpV2Xdot3RemPowerEntry 38 }

lldpV2Xdot3RemMeasEnergyRequest OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device is requesting

 energy measurement from the local device."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.46"

 ::= { lldpV2Xdot3RemPowerEntry 39 }

lldpV2Xdot3RemMeasVoltageValid OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device’s voltage measurement

 is valid."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.47"

 ::= { lldpV2Xdot3RemPowerEntry 40 }

lldpV2Xdot3RemMeasCurrentValid OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device’s current measurement

 is valid."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.48"

 ::= { lldpV2Xdot3RemPowerEntry 41 }

lldpV2Xdot3RemMeasPowerValid OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device’s power measurement

 is valid."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.49"

 ::= { lldpV2Xdot3RemPowerEntry 42 }

lldpV2Xdot3RemMeasEnergyValid OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the remote device’s energy measurement

 is valid."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.50"

 ::= { lldpV2Xdot3RemPowerEntry 43 }

lldpV2Xdot3RemMeasVoltageUncertainty OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the expanded uncertainty

 (coverage factor k = 2) for the remote device’s voltage

 measurement. See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.51"

 ::= { lldpV2Xdot3RemPowerEntry 44 }

lldpV2Xdot3RemMeasCurrentUncertainty OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the expanded uncertainty

 (coverage factor k = 2) for the remote device’s current

 measurement. See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.52"

 ::= { lldpV2Xdot3RemPowerEntry 45 }

lldpV2Xdot3RemMeasPowerUncertainty OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the expanded uncertainty

 (coverage factor k = 2) for the remote device’s power

 measurement. See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.53"

 ::= { lldpV2Xdot3RemPowerEntry 46 }

lldpV2Xdot3RemMeasEnergyUncertainty OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the expanded uncertainty

 (coverage factor k = 2) for the remote device’s energy

 measurement. See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.54"

 ::= { lldpV2Xdot3RemPowerEntry 47 }

lldpV2Xdot3RemVoltageMeasurement OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the measured remote device voltage.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.55"

 ::= { lldpV2Xdot3RemPowerEntry 48 }

lldpV2Xdot3RemCurrentMeasurement OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the measured remote device current.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.56"

 ::= { lldpV2Xdot3RemPowerEntry 49 }

lldpV2Xdot3RemPowerMeasurement OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the measured remote device power.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.57"

 ::= { lldpV2Xdot3RemPowerEntry 50 }

lldpV2Xdot3RemEnergyMeasurement OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates the measured remote device energy.

 See IEEE Std 802.3, Table 79–21."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.58"

 ::= { lldpV2Xdot3RemPowerEntry 51 }

lldpV2Xdot3RemPSEPowerPriceIndex OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This attribute indicates an index of the price of power being

 sourced by the remote PSE. For a PSE, this value is undefined."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.59"

 ::= { lldpV2Xdot3RemPowerEntry 52 }

---

--- lldpV2Xdot3RemMaxFrameSizeTable: Maximum Frame Size information

--- V2 modified to be indexed by ifIndex and destination MAC address.

---

---

lldpV2Xdot3RemMaxFrameSizeTable OBJECT-TYPE

 SYNTAX SEQUENCE OF LldpV2Xdot3RemMaxFrameSizeEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "This table contains one row per port/destination

 address pair of maximum frame

 size information (as a part of the LLDP IEEE 802.3

 organizational extension) of the remote system."

 ::= { lldpV2Xdot3RemoteData 3 }

lldpV2Xdot3RemMaxFrameSizeEntry OBJECT-TYPE

 SYNTAX LldpV2Xdot3RemMaxFrameSizeEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Maximum Frame Size information about a particular port

 component."

 INDEX { lldpV2RemTimeMark,

 lldpV2RemLocalIfIndex,

 lldpV2RemLocalDestMACAddress,

 lldpV2RemIndex }

 ::= { lldpV2Xdot3RemMaxFrameSizeTable 1 }

LldpV2Xdot3RemMaxFrameSizeEntry ::= SEQUENCE {

 lldpV2Xdot3RemMaxFrameSize Unsigned32

}

lldpV2Xdot3RemMaxFrameSize OBJECT-TYPE

 SYNTAX Unsigned32(0..65535)

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "An integer value indicating the maximum supported frame

 size in octets on the port component associated with the

 remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.13"

 ::= { lldpV2Xdot3RemMaxFrameSizeEntry 1 }

---

---

--- lldpV2Xdot3RemEEETable: Energy Efficient Ethernet Information Table

--- V2 modified to be indexed by ifIndex.

---

---

lldpV2Xdot3RemEEETable OBJECT-TYPE

 SYNTAX SEQUENCE OF LldpV2Xdot3RemEEEEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "This table contains one row per port of Energy Efficient Ethernet

 information (as a part of the LLDP IEEE 802.3 organizational

 extension) on the local system known to this agent."

 ::= { lldpV2Xdot3RemoteData 4 }

lldpV2Xdot3RemEEEEntry OBJECT-TYPE

 SYNTAX LldpV2Xdot3RemEEEEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Information about a particular port component."

 INDEX { lldpV2RemLocalIfIndex }

 ::= { lldpV2Xdot3RemEEETable 1 }

LldpV2Xdot3RemEEEEntry ::= SEQUENCE {

 lldpV2Xdot3RemTxTwSys Integer32,

 lldpV2Xdot3RemTxTwSysEcho Integer32,

 lldpV2Xdot3RemRxTwSys Integer32,

 lldpV2Xdot3RemRxTwSysEcho Integer32,

 lldpV2Xdot3RemFbTwSys Integer32,

 lldpV2Xdot3RemTxFw TruthValue,

 lldpV2Xdot3RemTxFwEcho TruthValue,

 lldpV2Xdot3RemRxFw TruthValue,

 lldpV2Xdot3RemRxFwEcho TruthValue,

 lldpV2Xdot3RemPreemptSupported TruthValue,

 lldpV2Xdot3RemPreemptEnabled TruthValue,

 lldpV2Xdot3RemPreemptActive TruthValue,

 lldpV2Xdot3RemAddFragSize Integer32

}

lldpV2Xdot3RemTxTwSys OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of Tw\_sys\_tx that the remote system

 can support in the transmit direction.

 This object maps to the variable RemTxSystemValue as defined

 in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.60"

 ::= {lldpV2Xdot3RemEEEEntry 1 }

lldpV2Xdot3RemTxTwSysEcho OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of Tw\_sys\_tx 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 object maps to the variable

 RemTxSystemValueEcho as defined in IEEE Std 802.3, 78.4.2.3"

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.61"

 ::= {lldpV2Xdot3RemEEEEntry 2 }

lldpV2Xdot3RemRxTwSys OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of Tw\_sys\_tx that

 the remote system is requesting in the receive direction.

 This object maps to the variable RemRxSystemValue as

 defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.62"

 ::= {lldpV2Xdot3RemEEEEntry 3 }

lldpV2Xdot3RemRxTwSysEcho OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of Tw\_sys\_tx that

 the local system is advertising that it is requesting in the

 receive direction and is echoed by the remote system under the

 control of the EEE DLL transmitter state diagram. This object

 maps to the variable RemRxSystemValueEcho as defined in

 IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.63"

 ::= {lldpV2Xdot3RemEEEEntry 4 }

lldpV2Xdot3RemFbTwSys OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "A GET returns the value of the fallback Tw\_sys\_tx

 that the remote system is advertising.

 This object maps to the variable RemFbSystemValue as defined

 in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.64"

 ::= {lldpV2Xdot3RemEEEEntry 5 }

lldpV2Xdot3RemTxFw OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value identifies the LPI\_FW value that the remote system

 can support in the transmit direction. This attribute maps to

 variable RemTxSystemFW as defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.65"

 ::= {lldpV2Xdot3RemEEEEntry 6 }

lldpV2Xdot3RemTxFwEcho OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value identifies the LPI\_FW value advertised by the local

 system and echoed by the remote system. This attribute maps to

 variable RemTxSystemFWEcho as defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.66"

 ::= {lldpV2Xdot3RemEEEEntry 7 }

lldpV2Xdot3RemRxFw OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value identifies the LPI\_FW value that the remote system

 is requesting in the receive direction. This attribute maps to

 variable RemRxSystemFW as defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.67"

 ::= {lldpV2Xdot3RemEEEEntry 8 }

lldpV2Xdot3RemRxFwEcho OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value identifies the LPI\_FW value requested by the local

 system and echoed by the remote system. This attribute maps to

 variable RemRxSystemFWEcho as defined in IEEE Std 802.3, 78.4.2.3."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.68"

 ::= {lldpV2Xdot3RemEEEEntry 9 }

lldpV2Xdot3RemPreemptSupported OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the remote system

 supports the preemption capability."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.69"

 ::= {lldpV2Xdot3RemEEEEntry 10 }

lldpV2Xdot3RemPreemptEnabled OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the preemption

 capability is enabled on the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.70"

 ::= {lldpV2Xdot3RemEEEEntry 11 }

lldpV2Xdot3RemPreemptActive OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "The truth value used to identify whether the preemption

 capability is active on the remote system."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.71"

 ::= {lldpV2Xdot3RemEEEEntry 12 }

lldpV2Xdot3RemAddFragSize OBJECT-TYPE

 SYNTAX Integer32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This value indicates the minimum size of non-final

 fragments supported by the remote system. This value

 is expressed in units of 64 octets of additional

 fragment length."

 REFERENCE

 "IEEE Std 802.3, 30.12.3.1.72"

 ::= {lldpV2Xdot3RemEEEEntry 13 }

------------------------------------------------------------------------------

-- Conformance statements

------------------------------------------------------------------------------

lldpV2Xdot3Conformance OBJECT IDENTIFIER ::= { ieee8023lldpV2Xdot3MIB 2 }

lldpV2Xdot3Compliances OBJECT IDENTIFIER ::= { lldpV2Xdot3Conformance 1 }

lldpV2Xdot3Groups OBJECT IDENTIFIER ::= { lldpV2Xdot3Conformance 2 }

-- Compliance statements

lldpV2Xdot3TxRxCompliance MODULE-COMPLIANCE

 STATUS current

 DESCRIPTION

 "A compliance statement for SNMP entities that implement

 the LLDP IEEE 802.3 organizational extension MIB.

 This group is mandatory for all agents that implement the

 LLDP IEEE 802.3 organizational extension in TX and/or RX mode.

 This version defines compliance requirements for

 V2 of the LLDP MIB."

 MODULE -- this module

 MANDATORY-GROUPS { lldpV2Xdot3ConfigGroup,

 ifGeneralInformationGroup

 }

 ::= { lldpV2Xdot3Compliances 1 }

lldpV2Xdot3TxCompliance MODULE-COMPLIANCE

 STATUS current

 DESCRIPTION

 "The compliance statement for SNMP entities that implement

 the LLDP IEEE 802.3 organizational extension MIB.

 This group is mandatory for agents that implement the

 LLDP IEEE 802.3 organizational extension in the TX mode.

 This version defines compliance requirements for

 V2 of the LLDP MIB."

 MODULE -- this module

 MANDATORY-GROUPS { lldpV2Xdot3LocSysGroup }

 ::= { lldpV2Xdot3Compliances 2 }

lldpV2Xdot3RxCompliance MODULE-COMPLIANCE

 STATUS current

 DESCRIPTION

 "The compliance statement for SNMP entities that implement

 the LLDP IEEE 802.3 organizational extension MIB.

 This group is mandatory for agents that implement the

 LLDP IEEE 802.3 organizational extension in the RX mode.

 This version defines compliance requirements for

 V2 of the LLDP MIB."

 MODULE -- this module

 MANDATORY-GROUPS { lldpV2Xdot3RemSysGroup }

 ::= { lldpV2Xdot3Compliances 3 }

-- MIB groupings

lldpV2Xdot3ConfigGroup OBJECT-GROUP

 OBJECTS {

 lldpV2Xdot3PortConfigTLVsTxEnable

 }

 STATUS current

 DESCRIPTION

 "The collection of objects that are used to configure the

 LLDP IEEE 802.3 organizational extension implementation behavior."

 ::= { lldpV2Xdot3Groups 1 }

lldpV2Xdot3LocSysGroup OBJECT-GROUP

 OBJECTS {

 lldpV2Xdot3LocPortAutoNegSupported,

 lldpV2Xdot3LocPortAutoNegEnabled,

 lldpV2Xdot3LocPortAutoNegAdvertisedCap,

 lldpV2Xdot3LocPortOperMauType,

 lldpV2Xdot3LocPowerPortClass,

 lldpV2Xdot3LocPowerMDISupported,

 lldpV2Xdot3LocPowerMDIEnabled,

 lldpV2Xdot3LocPowerPairControlable,

 lldpV2Xdot3LocPowerPairs,

 lldpV2Xdot3LocPowerClass,

 lldpV2Xdot3LocMaxFrameSize,

 lldpV2Xdot3LocPowerType,

 lldpV2Xdot3LocPowerSource,

 lldpV2Xdot3LocPowerPriority,

 lldpV2Xdot3LocPDRequestedPowerValue,

 lldpV2Xdot3LocPSEAllocatedPowerValue,

 lldpV2Xdot3LocResponseTime,

 lldpV2Xdot3LocReady,

 lldpV2Xdot3LocReducedOperationPowerValue,

 lldpV2Xdot3LocTxTwSys,

 lldpV2Xdot3LocTxTwSysEcho,

 lldpV2Xdot3LocRxTwSys,

 lldpV2Xdot3LocRxTwSysEcho,

 lldpV2Xdot3LocFbTwSys,

 lldpV2Xdot3TxDllReady,

 lldpV2Xdot3RxDllReady,

 lldpV2Xdot3LocDllEnabled

 }

 STATUS current

 DESCRIPTION

 "The collection of objects that are used to represent LLDP

 IEEE 802.3 organizational extension Local Device Information."

 ::= { lldpV2Xdot3Groups 2 }

lldpV2Xdot3RemSysGroup OBJECT-GROUP

 OBJECTS {

 lldpV2Xdot3RemPortAutoNegSupported,

 lldpV2Xdot3RemPortAutoNegEnabled,

 lldpV2Xdot3RemPortAutoNegAdvertisedCap,

 lldpV2Xdot3RemPortOperMauType,

 lldpV2Xdot3RemPowerPortClass,

 lldpV2Xdot3RemPowerMDISupported,

 lldpV2Xdot3RemPowerMDIEnabled,

 lldpV2Xdot3RemPowerPairControlable,

 lldpV2Xdot3RemPowerPairs,

 lldpV2Xdot3RemPowerClass,

 lldpV2Xdot3RemMaxFrameSize,

 lldpV2Xdot3RemPowerType,

 lldpV2Xdot3RemPowerSource,

 lldpV2Xdot3RemPowerPriority,

 lldpV2Xdot3RemPDRequestedPowerValue,

 lldpV2Xdot3RemPSEAllocatedPowerValue,

 lldpV2Xdot3RemTxTwSys,

 lldpV2Xdot3RemTxTwSysEcho,

 lldpV2Xdot3RemRxTwSys,

 lldpV2Xdot3RemRxTwSysEcho,

 lldpV2Xdot3RemFbTwSys

 }

 STATUS current

 DESCRIPTION

 "The collection of objects that are used to represent LLDP

 IEEE 802.3 organizational extension Local Device Information."

 ::= { lldpV2Xdot3Groups 3 }

END