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"

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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

--

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

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

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

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

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---

--- 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