

```

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

IMPORTS
    MODULE-IDENTITY, OBJECT-TYPE, Integer32
    FROM SNMPv2-SMI
    TEXTUAL-CONVENTION, TruthValue, AutonomousType
    FROM SNMPv2-TC
    MODULE-COMPLIANCE, OBJECT-GROUP
    FROM SNMPv2-CONF
10   lldpExtensions, lldpLocPortNum,
    lldpRemTimeMark, lldpRemLocalPortNum, lldpRemIndex,
    lldpPortConfigEntry
    FROM LLDP-MIB;

15 lldpxdot3MIB MODULE-IDENTITY
    LAST-UPDATED "200403290000Z" -- March 29, 2004
    ORGANIZATION "IEEE 802.1AB Working Group"
    CONTACT-INFO
        " WG-URL: http://grouper.ieee.org/groups/802/1/index.html
20      WG-Email: stds-802-1@ieee.org

        Chair: Paul Congdon
        Postal: Hewlett-Packard Company
        8000 Foothills Blvd.
        Roseville, CA 95747
25        USA
        Tel: +1-916-785-5753
        E-mail: paul_congdon@hp.com"

DESCRIPTION
30   "The LLDP Management Information Base extension module for
    IEEE 802.3 organizationally defined discovery information.

    In order to assure the uniqueness of the LLDP-MIB,
35   lldpxdot3MIB is branched from lldpExtensions using OUI value
    as the node. An OUI/'company_id' is a 24 bit globally unique
    assigned number referenced by various standards.

    Copyright (C) IEEE 802.1AB Workgroup (March 29, 2004).
40   This version of this MIB module is published as Clause 12
    of IEEE Std. 802.1AB-2004; see the standard itself for full
    legal notices."
    REVISION "200403290000Z" -- March 29, 2004
    DESCRIPTION
        "Published as IEEE Std. 802.1AB-2004 initial version."
45   ::= { lldpExtensions XXXXXX }

-----
50   -- Organizationally Defined Information Extension - IEEE 802.3
-----

55 lldpxdot3Objects OBJECT IDENTIFIER ::= { lldpxdot3MIB 1 }

-- LLDP IEEE 802.3 extension MIB groups
lldpxdot3Config OBJECT IDENTIFIER ::= { lldpxdot3Objects 1 }
lldpxdot3LocalData OBJECT IDENTIFIER ::= { lldpxdot3Objects 2 }
60 lldpxdot3RemoteData OBJECT IDENTIFIER ::= { lldpxdot3Objects 3 }

-- textual conventions

LldpPowerPortClass ::= TEXTUAL-CONVENTION
65   STATUS current
   DESCRIPTION
        "This TC describes the Power over Ethernet (PoE) port class."
   SYNTAX INTEGER {
        pClassPSE(1),
        pClassPD(2)
    }

70 LldpLinkAggStatusMap ::= TEXTUAL-CONVENTION
   STATUS current
   DESCRIPTION
        "This TC describes the link aggregation status.

        The bit 'aggCapable(0)' indicates the link is capable of being
        aggregated.

80       The bit 'aggEnabled(1)' indicates the link is currently in
        aggregation."

```

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

IMPORTS
    MODULE-IDENTITY, OBJECT-TYPE, Integer32
    FROM SNMPv2-SMI
    TEXTUAL-CONVENTION, TruthValue, AutonomousType
    FROM SNMPv2-TC
    MODULE-COMPLIANCE, OBJECT-GROUP
    FROM SNMPv2-CONF
10   lldpExtensions, lldpLocPortNum,
    lldpRemTimeMark, lldpRemLocalPortNum, lldpRemIndex,
    lldpPortConfigEntry
    FROM LLDP-MIB;

15 lldpxdot3MIB MODULE-IDENTITY
    LAST-UPDATED "200403120000Z" -- March 12, 2004
    ORGANIZATION "IEEE 802.1AB Workgroup"
    CONTACT-INFO "The Institute of Electrical and Electronics Engineers, Inc.
        3 Park Avenue,
        New York, NY 10016-5997, USA

        http://grouper.ieee.org/groups/802/1/index.html"

DESCRIPTION
    "The LLDP MIB extension module for IEEE 802.3 organizationally
    defined discovery information.

    Copyright (C) IEEE 802.1AB Workgroup (March 12, 2004).
    This version of this MIB module is part of IEEE Draft
    802.1AB/D8; see the draft itself for full legal notices."
-- MIB Ed: change the Copyright information when a new draft becomes
-- available.
    REVISION "200403120000Z" -- March 12, 2004
    DESCRIPTION
        "Initial Version."
-- An OUI/"company_id" is a 24 bit globally unique assigned number
-- referenced by various standards.
-- we have to assure the uniqueness of the LLDP-MIB and the
-- lldpExtensions branch by using OUI value as the node.
-- MIB Ed: replace XXXXX with IEEE 802.3 OUI when it is assigned and
--         remove this note
--         ::= { lldpExtensions XXXXX }

-----
50   -- Organizationally Defined Information Extension - IEEE 802.3
-----

55 lldpxdot3Objects OBJECT IDENTIFIER ::= { lldpxdot3MIB 1 }

-- LLDP IEEE 802.3 extension MIB groups
lldpxdot3Config OBJECT IDENTIFIER ::= { lldpxdot3Objects 1 }
lldpxdot3LocalData OBJECT IDENTIFIER ::= { lldpxdot3Objects 2 }
60 lldpxdot3RemoteData OBJECT IDENTIFIER ::= { lldpxdot3Objects 3 }

-- textual conventions

LldpPowerPortClass ::= TEXTUAL-CONVENTION
65   STATUS current
   DESCRIPTION
        "This TC describes the Power over Ethernet (PoE) port class."
   SYNTAX INTEGER {
        pClassPSE(1),
        pClassPD(2)
    }

70 LldpLinkAggStatusMap ::= TEXTUAL-CONVENTION
   STATUS current
   DESCRIPTION
        "This TC describes the link aggregation status.

        The bit 'aggCapable(0)' indicates the link is capable of being
        aggregated.

80       The bit 'aggEnabled(1)' indicates the link is currently in
        aggregation."

```

```

SYNTAX BITS {
  aggCapable(0),
  aggEnabled(1)
}
-- IEEE 802.3 - Configuration
90

110 lldpXdot3PortConfigTable OBJECT-TYPE
SYNTAX SEQUENCE OF LldpXdot3PortConfigEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
  "A table that controls selection of LLDP TLVs to be transmitted
  on individual ports."
 ::= { lldpXdot3Config 1 }

115 lldpXdot3PortConfigEntry OBJECT-TYPE
SYNTAX LldpXdot3PortConfigEntry
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.

120 This configuration object augments the lldpPortConfigEntry of
the LLDP-MIB, therefore it is only present along with the port
configuration defined by the associated lldpPortConfigEntry
entry.

125 AUGMENTS { lldpPortConfigEntry }
 ::= { lldpXdot3PortConfigTable 1 }

LldpXdot3PortConfigEntry ::= SEQUENCE {
  lldpXdot3PortConfigTlvsTxEnable BITS
}

130 lldpXdot3PortConfigTlvsTxEnable OBJECT-TYPE
SYNTAX BITS {
  autoNegotiation(0),
  powerViaMDI(1),
  linkAggregation(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
  "The lldpXdot3PortConfigTlvsTxEnable, defined as a bitmap,
  includes the IEEE 802.3 organizationally defined set of LLDP
  TLVs whose transmission is allowed on 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 0 is not used since there is
  no corresponding subtype.

135 The bit 'autoNegotiation(0)' indicates that LLDP agent should
transmit 'Auto-negotiation TLV'.

140 The bit 'powerViaMDI(1)' indicates that LLDP agent should
transmit 'Power via MDI TLV'.

145 The bit 'linkAggregation(2)' indicates that LLDP agent should
transmit 'Link Aggregation TLV'.

150 The default value for lldpXdot3PortConfigTlvsTxEnable object
is an empty set, which means no enumerated values are set.

155 The value of this object must be restored from non-volatile
storage after a re-initialization of the management system."
REFERENCE
  "IEEE 802.1AB/D8 section 10.2.1.1"
DEFVAL { { } }
 ::= { lldpXdot3PortConfigEntry 1 }

-- IEEE 802.3 - Local Device Information
90

110 lldpXdot3PortConfigTable OBJECT-TYPE
SYNTAX SEQUENCE OF LldpXdot3PortConfigEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
  "A table that controls selection of LLDP TLVs to be transmitted
  on individual ports."
 ::= { lldpXdot3Config 1 }

115 lldpXdot3PortConfigEntry OBJECT-TYPE
SYNTAX LldpXdot3PortConfigEntry
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.

120 This configuration object augments the lldpPortConfigEntry of
the LLDP-MIB, therefore it is only present along with the port
configuration defined by the associated lldpPortConfigEntry
entry.

125 If the agent is capable of storing non-volatile configuration,
then each active lldpConfigEntry must be re-created
(along with the corresponding lldpPortConfigEntry) after a
re-initialization of the management system."
AUGMENTS { lldpPortConfigEntry }
 ::= { lldpXdot3PortConfigTable 1 }

LldpXdot3PortConfigEntry ::= SEQUENCE {
  lldpXdot3PortConfigTlvsTxEnable BITS
}

130 lldpXdot3PortConfigTlvsTxEnable OBJECT-TYPE
SYNTAX BITS {
  autoNegotiation(0),
  powerViaMDI(1),
  linkAggregation(2)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
  "The lldpXdot3PortConfigTlvsTxEnable, defined as a bitmap,
  includes the IEEE 802.3 organizationally defined set of LLDP
  TLVs whose transmission is allowed on 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 0 is not used since there is
  no corresponding subtype.

135 The bit 'autoNegotiation(0)' indicates that LLDP agent should
transmit 'Auto-negotiation TLV'.

140 The bit 'powerViaMDI(1)' indicates that LLDP agent should
transmit 'Power via MDI TLV'.

145 The bit 'linkAggregation(2)' indicates that LLDP agent should
transmit 'Link Aggregation TLV'.

150 If the agent is capable of storing non-volatile configuration,
then the value of this object must be restored after a
re-initialization of the management system."
REFERENCE
  "IEEE 802.1AB/D8 section 10.2.1.1"
DEFVAL { { autoNegotiation, powerViaMDI, linkAggregation } }
 ::= { lldpXdot3PortConfigEntry 1 }

-- IEEE 802.3 - Local Device Information

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165 -----
166 --- lldpXdot3LocPortTable: Ethernet Port AutoNeg-Speed/Duplex
167     Information Table
168 ---
169 ---
170 --- lldpXdot3LocPortTable OBJECT-TYPE
171     SYNTAX      SEQUENCE OF LldpXdot3LocPortEntry
172     MAX-ACCESS  not-accessible
173     STATUS      current
174     DESCRIPTION
175         "This table contains one row per port of ethernet port
176         information (as a part of the LLDP 802.3 organizational
177         extension) on the local system known to this agent."
178     ::= { lldpXdot3LocalData 1 }
179
180 lldpXdot3LocPortEntry OBJECT-TYPE
181     SYNTAX      LldpXdot3LocPortEntry
182     MAX-ACCESS  not-accessible
183     STATUS      current
184     DESCRIPTION
185         "Information about a particular port component."
186     INDEX      { lldpLocPortNum }
187     ::= { lldpXdot3LocPortTable 1 }
188
189 LldpXdot3LocPortEntry ::= SEQUENCE {
190     lldpXdot3LocPortAutoNegSupported      TruthValue,
191     lldpXdot3LocPortAutoNegEnabled        TruthValue,
192     lldpXdot3LocPortPMDCapability        OCTET STRING,
193     lldpXdot3LocPortPMDDefaultConfig    AutonomousType,
194     lldpXdot3LocPortFaultIndication     Integer32
195 }
196
197 lldpXdot3LocPortAutoNegSupported OBJECT-TYPE
198     SYNTAX      TruthValue
199     MAX-ACCESS  read-only
200     STATUS      current
201     DESCRIPTION
202         "The truth value used to indicate whether the given port
203         (associated with the local system) supports Auto-negotiation."
204     REFERENCE
205         "IEEE 802.1AB/D8 section H.2.1"
206     ::= { lldpXdot3LocPortEntry 1 }
207
208 lldpXdot3LocPortAutoNegEnabled OBJECT-TYPE
209     SYNTAX      TruthValue
210     MAX-ACCESS  read-only
211     STATUS      current
212     DESCRIPTION
213         "The truth value used to indicate whether port
214         Auto-negotiation is enabled on the given port associated
215         with the local system."
216     REFERENCE
217         "IEEE 802.1AB/D8 section H.2.1"
218     ::= { lldpXdot3LocPortEntry 2 }
219
220 lldpXdot3LocPortPMDCapability OBJECT-TYPE
221     SYNTAX      OCTET STRING(SIZE(4))
222     MAX-ACCESS  read-only
223     STATUS      current
224     DESCRIPTION
225         "This object contains the value (bitmap) of the
226         ifMauAutoNegCapAdvertisedBits object (defined in IETF RFC
227         3636) which is associated with the given port on the
228         local system."
229     REFERENCE
230         "IEEE 802.1AB/D8 section H.2.2"
231     ::= { lldpXdot3LocPortEntry 3 }
232
233 lldpXdot3LocPortPMDDefaultConfig OBJECT-TYPE
234     SYNTAX      AutonomousType
235     MAX-ACCESS  read-only
236     STATUS      current
237     DESCRIPTION
238         "This object contains the value of the ifMauDefaultType
239         object (defined in IETF RFC 3636) which is associated with
240         the given port on the local system."
241     REFERENCE
242         "IEEE 802.1AB/D8 section H.2.3"
243     ::= { lldpXdot3LocPortEntry 4 }
244
245 lldpXdot3LocPortFaultIndication OBJECT-TYPE
246
247 -----
248 --- lldpXdot3LocPortTable: Ethernet Port AutoNeg-Speed/Duplex
249     Information Table
250 ---
251 ---
252 --- lldpXdot3LocPortTable OBJECT-TYPE
253     SYNTAX      SEQUENCE OF LldpXdot3LocPortEntry
254     MAX-ACCESS  not-accessible
255     STATUS      current
256     DESCRIPTION
257         "This table contains one row per port of ethernet port
258         information (as a part of the LLDP 802.3 organizational
259         extension) on the local system known to this agent."
260     ::= { lldpXdot3LocalData 1 }
261
262 lldpXdot3LocPortEntry OBJECT-TYPE
263     SYNTAX      LldpXdot3LocPortEntry
264     MAX-ACCESS  not-accessible
265     STATUS      current
266     DESCRIPTION
267         "Information about a particular port component."
268     INDEX      { lldpLocPortNum }
269     ::= { lldpXdot3LocPortTable 1 }
270
271 LldpXdot3LocPortEntry ::= SEQUENCE {
272     lldpXdot3LocPortAutoNegSupported      TruthValue,
273     lldpXdot3LocPortAutoNegEnabled        TruthValue,
274     lldpXdot3LocPortPMDCapability        AutonomousType,
275     lldpXdot3LocPortPMDDefaultConfig    AutonomousType,
276     lldpXdot3LocPortFaultIndication     AutonomousType
277 }
278
279 lldpXdot3LocPortAutoNegSupported OBJECT-TYPE
280     SYNTAX      TruthValue
281     MAX-ACCESS  read-only
282     STATUS      current
283     DESCRIPTION
284         "The truth value used to indicate whether the given port
285         (associated with the local system) supports Auto-negotiation."
286     REFERENCE
287         "IEEE 802.1AB/D8 section H.2.1"
288     ::= { lldpXdot3LocPortEntry 1 }
289
290 lldpXdot3LocPortAutoNegEnabled OBJECT-TYPE
291     SYNTAX      TruthValue
292     MAX-ACCESS  read-only
293     STATUS      current
294     DESCRIPTION
295         "The truth value used to indicate whether port
296         Auto-negotiation is enabled on the given port associated
297         with the local system."
298     REFERENCE
299         "IEEE 802.1AB/D8 section H.2.1"
300     ::= { lldpXdot3LocPortEntry 2 }
301
302 lldpXdot3LocPortPMDCapability OBJECT-TYPE
303     SYNTAX      AutonomousType
304     MAX-ACCESS  read-only
305     STATUS      current
306     DESCRIPTION
307         "This object contains the value (bitmap) of the
308         ifMauAutoNegCapAdvertisedBits object (defined in IETF RFC
309         3636) which is associated with the given port on the
310         local system."
311     REFERENCE
312         "IEEE 802.1AB/D8 section H.2.2"
313     ::= { lldpXdot3LocPortEntry 3 }
314
315 lldpXdot3LocPortPMDDefaultConfig OBJECT-TYPE
316     SYNTAX      AutonomousType
317     MAX-ACCESS  read-only
318     STATUS      current
319     DESCRIPTION
320         "This object contains the value of the ifMauDefaultType
321         object (defined in IETF RFC 3636) which is associated with
322         the given port on the local system."
323     REFERENCE
324         "IEEE 802.1AB/D8 section H.2.3"
325     ::= { lldpXdot3LocPortEntry 4 }
326
327 lldpXdot3LocPortFaultIndication OBJECT-TYPE
328

```

<pre> SYNTAX Integer32(0..2147483647) MAX-ACCESS read-only STATUS current 250 DESCRIPTION       "This object contains the value of the       ifMauAutoNegRemouteFaultAdvertised object (defined in IETF       RFC 3636) which is associated with the given port on the       local system." 255 REFERENCE       "IEEE 802.1AB/D8 section H.2.4"       ::= { lldpXdot3LocPortEntry 5 }  --- 260 --- --- lldpXdot3LocPowerTable: Power Ethernet Information Table ---  265 lldpXdot3LocPowerTable OBJECT-TYPE SYNTAX SEQUENCE OF LldpXdot3LocPowerEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION       "This table contains one row per port of power ethernet       information (as a part of the LLDP 802.3 organizational       extension) on the local system known to this agent."       ::= { lldpXdot3LocalData 2 }  270 lldpXdot3LocPowerEntry OBJECT-TYPE SYNTAX LldpXdot3LocPowerEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION       "Information about a particular port component." INDEX { lldpLocPortNum }       ::= { lldpXdot3LocPowerTable 1 }  LldpXdot3LocPowerEntry ::= SEQUENCE {       lldpXdot3LocPowerPortClass     LldpPowerPortClass, 285      lldpXdot3LocPowerMDISupported TruthValue,       lldpXdot3LocPowerMDIEnabled   TruthValue,       lldpXdot3LocPowerPairControlable TruthValue,       lldpXdot3LocPowerPairs        Integer32,       lldpXdot3LocPowerClass        Integer32 290 }  295 lldpXdot3LocPowerPortClass OBJECT-TYPE SYNTAX LldpPowerPortClass 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 802.1AB/D8 section H.3.1"       ::= { lldpXdot3LocPowerEntry 1 }  300 lldpXdot3LocPowerMDISupported 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 local system." REFERENCE       "IEEE 802.1AB/D8 section H.3.1"       ::= { lldpXdot3LocPowerEntry 2 }  310 lldpXdot3LocPowerMDIEnabled 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 local system." REFERENCE       "IEEE 802.1AB/D8 section H.3.1"       ::= { lldpXdot3LocPowerEntry 3 }  315 lldpXdot3LocPowerPairControlable 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 local system." REFERENCE       "IEEE 802.1AB/D8 section H.3.1"       ::= { lldpXdot3LocPowerEntry 3 }  320 lldpXdot3LocPowerPairControlable OBJECT-TYPE SYNTAX TruthValue MAX-ACCESS read-only STATUS current </pre>	<pre> SYNTAX AutonomousType MAX-ACCESS read-only STATUS current DESCRIPTION       "This object contains the value of the       ifMauAutoNegRemouteFaultAdvertised object (defined in IETF       RFC 3636) which is associated with the given port on the       local system." REFERENCE       "IEEE 802.1AB/D8 section H.2.4"       ::= { lldpXdot3LocPortEntry 5 }  --- 260 --- --- lldpXdot3LocPowerTable: Power Ethernet Information Table ---  265 lldpXdot3LocPowerTable OBJECT-TYPE SYNTAX SEQUENCE OF LldpXdot3LocPowerEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION       "This table contains one row per port of power ethernet       information (as a part of the LLDP 802.3 organizational       extension) on the local system known to this agent."       ::= { lldpXdot3LocalData 2 }  270 lldpXdot3LocPowerEntry OBJECT-TYPE SYNTAX LldpXdot3LocPowerEntry MAX-ACCESS not-accessible STATUS current DESCRIPTION       "Information about a particular port component." INDEX { lldpLocPortNum }       ::= { lldpXdot3LocPowerTable 1 }  LldpXdot3LocPowerEntry ::= SEQUENCE {       lldpXdot3LocPowerPortClass     LldpPowerPortClass, 285      lldpXdot3LocPowerMDISupported TruthValue,       lldpXdot3LocPowerMDIEnabled   TruthValue,       lldpXdot3LocPowerPairControlable TruthValue,       lldpXdot3LocPowerPair          Integer32,       lldpXdot3LocPowerClass        Integer32 290 }  295 lldpXdot3LocPowerPortClass OBJECT-TYPE SYNTAX LldpPowerPortClass 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 802.1AB/D8 section H.3.1"       ::= { lldpXdot3LocPowerEntry 1 }  300 lldpXdot3LocPowerMDISupported 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 local system." REFERENCE       "IEEE 802.1AB/D8 section H.3.1"       ::= { lldpXdot3LocPowerEntry 2 }  310 lldpXdot3LocPowerMDIEnabled 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 local system." REFERENCE       "IEEE 802.1AB/D8 section H.3.1"       ::= { lldpXdot3LocPowerEntry 3 }  315 lldpXdot3LocPowerPairControlable OBJECT-TYPE SYNTAX TruthValue MAX-ACCESS read-only STATUS current </pre>
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DESCRIPTION
330      "The truth value used to indicate if the pair selection
         can be controlled on the given port associated with the
         local system."
REFERENCE
         "IEEE 802.1AB/D8 section H.3.1"
335      ::= { lldpXdot3LocPowerEntry 4 }

lldpXdot3LocPowerPairs OBJECT-TYPE
SYNTAX      Integer32(1..2)
MAX-ACCESS  read-only
340      STATUS    current
DESCRIPTION
         "This object contains the value of the pethPsePortPowerPairs
          object (defined in IETF RFC 3621) which is associated with
          the given port on the local system."
345      REFERENCE
         "IEEE 802.1AB/D8 section H.3.2"
      ::= { lldpXdot3LocPowerEntry 5 }

lldpXdot3LocPowerClass OBJECT-TYPE
SYNTAX      Integer32(1..5)
MAX-ACCESS  read-only
350      STATUS    current
DESCRIPTION
         "This object contains the value of the
          pethPsePortPowerClassifications object (defined in IETF
          RFC 3621) which is associated with the given port on the
          local system."
355      REFERENCE
         "IEEE 802.1AB/D8 section H.3.3"
      ::= { lldpXdot3LocPowerEntry 6 }

---
---
--- lldpXdot3LocLinkAggTable: Link Aggregation Information Table
365 ---
lldpXdot3LocLinkAggTable OBJECT-TYPE
SYNTAX      SEQUENCE OF LldpXdot3LocLinkAggEntry
MAX-ACCESS  not-accessible
370      STATUS    current
DESCRIPTION
         "This table contains one row per port of link aggregation
          information (as a part of the LLDP 802.3 organizational
          extension) on the local system known to this agent."
375      ::= { lldpXdot3LocalData 3 }

lldpXdot3LocLinkAggEntry OBJECT-TYPE
SYNTAX      LldpXdot3LocLinkAggEntry
MAX-ACCESS  not-accessible
380      STATUS    current
DESCRIPTION
         "Link Aggregation information about a particular port
          component."
INDEX      { lldpLocPortNum }
385      ::= { lldpXdot3LocLinkAggTable 1 }

LldpXdot3LocLinkAggEntry ::= SEQUENCE {
      lldpXdot3LocLinkAggStatus      LldpLinkAggStatusMap,
      lldpXdot3LocLinkAggPortId     Integer32
390  }

lldpXdot3LocLinkAggStatus OBJECT-TYPE
SYNTAX      LldpLinkAggStatusMap
MAX-ACCESS  read-only
395      STATUS    current
DESCRIPTION
         "The bitmap value contains the link aggregation capabilities
          and the current aggregation status of the link."
REFERENCE
         "IEEE 802.1AB/D8 section H.4.1"
400      ::= { lldpXdot3LocLinkAggEntry 1 }

lldpXdot3LocLinkAggPortId OBJECT-TYPE
SYNTAX      Integer32(0|1..2147483647)
405      MAX-ACCESS  read-only
      STATUS    current
DESCRIPTION
         "This object contains the IEEE 802.3 aggregated port
          identifier, aAggPortID (IEEE 802.3-2002, 30.7.2.1.1),
          derived from the ifNumber of the ifIndex for the port
410

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DESCRIPTION
      "The truth value used to indicate if the pair selection
         can be controlled on the given port associated with the
         local system."
REFERENCE
         "IEEE 802.1AB/D8 section H.3.1"
      ::= { lldpXdot3LocPowerEntry 4 }

lldpXdot3LocPowerPair OBJECT-TYPE
SYNTAX      AutonomousType
MAX-ACCESS  read-only
340      STATUS    current
DESCRIPTION
         "This object contains the value of the pethPsePortPowerPairs
          object (defined in IETF RFC 3621) which is associated with
          the given port on the local system."
REFERENCE
         "IEEE 802.1AB/D8 section H.3.2"
      ::= { lldpXdot3LocPowerEntry 5 }

lldpXdot3LocPowerClass OBJECT-TYPE
SYNTAX      AutonomousType
MAX-ACCESS  read-only
350      STATUS    current
DESCRIPTION
         "This object contains the value of the
          pethPsePortClassification object (defined in IETF RFC 3621)
          which is associated with the given port on the local system."
REFERENCE
         "IEEE 802.1AB/D8 section H.3.3"
      ::= { lldpXdot3LocPowerEntry 6 }

---
---
--- lldpXdot3LocLinkAggTable: Link Aggregation Information Table
365 ---
lldpXdot3LocLinkAggTable OBJECT-TYPE
SYNTAX      SEQUENCE OF LldpXdot3LocLinkAggEntry
MAX-ACCESS  not-accessible
370      STATUS    current
DESCRIPTION
         "This table contains one row per port of link aggregation
          information (as a part of the LLDP 802.3 organizational
          extension) on the local system known to this agent."
375      ::= { lldpXdot3LocalData 3 }

lldpXdot3LocLinkAggEntry OBJECT-TYPE
SYNTAX      LldpXdot3LocLinkAggEntry
MAX-ACCESS  not-accessible
380      STATUS    current
DESCRIPTION
         "Information about a particular port component."
INDEX      { lldpLocPortNum }
385      ::= { lldpXdot3LocLinkAggTable 1 }

LldpXdot3LocLinkAggEntry ::= SEQUENCE {
      lldpXdot3LocLinkAggStatus      LldpLinkAggStatusMap,
      lldpXdot3LocLinkAggPortId     Integer32
390  }

lldpXdot3LocLinkAggStatus OBJECT-TYPE
SYNTAX      LldpLinkAggStatusMap
MAX-ACCESS  read-only
395      STATUS    current
DESCRIPTION
         "The bitmap value contains the link aggregation capabilities
          and the current aggregation status of the link."
REFERENCE
         "IEEE 802.1AB/D8 section H.4.1"
400      ::= { lldpXdot3LocLinkAggEntry 1 }

lldpXdot3LocLinkAggPortId OBJECT-TYPE
SYNTAX      Integer32(1..2147483647)
405      MAX-ACCESS  read-only
      STATUS    current
DESCRIPTION
         "The index value (equivalent to IfIndex, if Interfaces MIB
          is present) used to identify the port component."

```

```

component in link aggregation.

If the port is not in link aggregation state and/or it
does not support link aggregation, this value should be set
to zero."
415 REFERENCE
    "IEEE 802.1AB/D8 section H.4.2"
    ::= { lldpXdot3LocLinkAggEntry 2 }

420

-- IEEE 802.3 - Remote Devices Information
-----
425 ----
---- lldpXdot3RemPortTable: Ethernet Information Table
----
430 lldpXdot3RemPortTable OBJECT-TYPE
    SYNTAX   SEQUENCE OF LldpXdot3RemPortEntry
    MAX-ACCESS not-accessible
    STATUS    current
    DESCRIPTION
        "This table contains Ethernet port information (as a part
         of the LLDP 802.3 organizational extension) of the remote
         system."
        ::= { lldpXdot3RemoteData 1 }

440 lldpXdot3RemPortEntry OBJECT-TYPE
    SYNTAX    LldpXdot3RemPortEntry
    MAX-ACCESS not-accessible
    STATUS    current
    DESCRIPTION
        "Information about a particular physical network connection."
        INDEX   { lldpRemTimeMark,
                  lldpRemLocalPortNum,
                  lldpRemIndex }
        ::= { lldpXdot3RemPortTable 1 }

450 LldpXdot3RemPortEntry ::= SEQUENCE {
    lldpXdot3RemPortAutoNegSupported    TruthValue,
    lldpXdot3RemPortAutoNegEnabled     TruthValue,
    lldpXdot3RemPortPMDCapability      OCTET STRING,
    lldpXdot3RemPortPMDDefaultConfig  AutonomousType,
    lldpXdot3RemPortFaultIndication   Integer32
}

460 lldpXdot3RemPortAutoNegSupported 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 802.1AB/D8 section H.2.1"
            ::= { lldpXdot3RemPortEntry 1 }

470 lldpXdot3RemPortAutoNegEnabled 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 802.1AB/D8 section H.2.1"
            ::= { lldpXdot3RemPortEntry 2 }

480 lldpXdot3RemPortPMDCapability OBJECT-TYPE
    SYNTAX    OCTET STRING(SIZE(4))
    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 802.1AB/D8 section H.2.2"

490 <
<
<
<
<

REFERENCE
    "IEEE 802.1AB/D8 section H.4.2"
    ::= { lldpXdot3LocLinkAggEntry 2 }

-----
```

---

```

-- IEEE 802.3 - Remote Devices Information
-----
425 ----
---- lldpXdot3RemPortTable: Ethernet Information Table
----
430 lldpXdot3RemPortTable OBJECT-TYPE
    SYNTAX   SEQUENCE OF LldpXdot3RemPortEntry
    MAX-ACCESS not-accessible
    STATUS    current
    DESCRIPTION
        "This table contains Ethernet port information (as a part
         of the LLDP 802.3 organizational extension) of the remote
         system."
        ::= { lldpXdot3RemoteData 1 }

440 lldpXdot3RemPortEntry OBJECT-TYPE
    SYNTAX    LldpXdot3RemPortEntry
    MAX-ACCESS not-accessible
    STATUS    current
    DESCRIPTION
        "Information about a particular physical network connection."
        INDEX   { lldpRemTimeMark,
                  lldpRemLocalPortNum,
                  lldpRemIndex }
        ::= { lldpXdot3RemPortTable 1 }

450 LldpXdot3RemPortEntry ::= SEQUENCE {
    lldpXdot3RemPortAutoNegSupported    TruthValue,
    lldpXdot3RemPortAutoNegEnabled     TruthValue,
    lldpXdot3RemPortPMDCapability      OCTET STRING,
    lldpXdot3RemPortPMDDefaultConfig  AutonomousType,
    lldpXdot3RemPortFaultIndication   Integer32
}

460 lldpXdot3RemPortAutoNegSupported 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 802.1AB/D8 section H.2.1"
            ::= { lldpXdot3RemPortEntry 1 }

470 lldpXdot3RemPortAutoNegEnabled 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 802.1AB/D8 section H.2.1"
            ::= { lldpXdot3RemPortEntry 2 }

480 lldpXdot3RemPortPMDCapability OBJECT-TYPE
    SYNTAX    AutonomousType
    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 802.1AB/D8 section H.2.2"
```

```

 ::= { lldpXdot3RemPortEntry 3 }

495 lldpXdot3RemPortPMDDefaultConfig OBJECT-TYPE
    SYNTAX AutonomousType
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "This object contains the value of the ifMauDefaultType
         object (defined in IETF RFC 3636) which is associated with
         the given port on the remote system."
    REFERENCE
        "IEEE 802.1AB/D8 section H.2.3"
    ::= { lldpXdot3RemPortEntry 4 }

lldpXdot3RemPortFaultIndication OBJECT-TYPE
    SYNTAX Integer32(1..4)
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "This object contains the value of the
         ifMauAutoNegRemoteFaultAdvertised object (defined in IETF
         RFC 3636) which is associated with the given port on the
         remote system."
    REFERENCE
        "IEEE 802.1AB/D8 section H.2.4"
    ::= { lldpXdot3RemPortEntry 5 }

520 ---
---
--- lldpXdot3RemPowerTable: Power Ethernet Information Table
---
---

525 lldpXdot3RemPowerTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LldpXdot3RemPowerEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "This table contains Ethernet power information (as a part
         of the LLDP 802.3 organizational extension) of the remote
         system."
    ::= { lldpXdot3RemoteData 2 }

535 lldpXdot3RemPowerEntry OBJECT-TYPE
    SYNTAX LldpXdot3RemPowerEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Information about a particular physical network connection."
    INDEX { lldpRemTimeMark,
            lldpRemLocalPortNum,
            lldpRemIndex }
    ::= { lldpXdot3RemPowerTable 1 }

545 LldpXdot3RemPowerEntry ::= SEQUENCE {
    lldpXdot3RemPowerPortClass
    lldpXdot3RemPowerMDISupported
    lldpXdot3RemPowerMDIEncabled
    lldpXdot3RemPowerPairControlable
    lldpXdot3RemPowerPairs
    lldpXdot3RemPowerClass
}
    LldpPowerPortClass,
    TruthValue,
    TruthValue,
    TruthValue,
    Integer32,
    Integer32

555 lldpXdot3RemPowerPortClass OBJECT-TYPE
    SYNTAX LldpPowerPortClass
    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 802.1AB/D8 section H.3.1"
    ::= { lldpXdot3RemPowerEntry 1 }

565 lldpXdot3RemPowerMDISupported 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

```

```

 ::= { lldpXdot3RemPortEntry 3 }

lldpXdot3RemPortPMDDefaultConfig OBJECT-TYPE
    SYNTAX AutonomousType
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "This object contains the value of the ifMauDefaultType
         object (defined in IETF RFC 3636) which is associated with
         the given port on the remote system."
    REFERENCE
        "IEEE 802.1AB/D8 section H.2.3"
    ::= { lldpXdot3RemPortEntry 4 }

lldpXdot3RemPortFaultIndication OBJECT-TYPE
    SYNTAX AutonomousType
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "This object contains the value of the
         ifMauAutoNegRemoteFaultAdvertised object (defined in IETF
         RFC 3636) which is associated with the given port on the
         remote system."
    REFERENCE
        "IEEE 802.1AB/D8 section H.2.4"
    ::= { lldpXdot3RemPortEntry 5 }

---
---
--- lldpXdot3RemPowerTable: Power Ethernet Information Table
---
---

525 lldpXdot3RemPowerTable OBJECT-TYPE
    SYNTAX SEQUENCE OF LldpXdot3RemPowerEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "This table contains Ethernet power information (as a part
         of the LLDP 802.3 organizational extension) of the remote
         system."
    ::= { lldpXdot3RemoteData 2 }

535 lldpXdot3RemPowerEntry OBJECT-TYPE
    SYNTAX LldpXdot3RemPowerEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Information about a particular physical network connection."
    INDEX { lldpRemTimeMark,
            lldpRemLocalPortNum,
            lldpRemIndex }
    ::= { lldpXdot3RemPowerTable 1 }

LldpXdot3RemPowerEntry ::= SEQUENCE {
    lldpXdot3RemPowerPortClass
    lldpXdot3RemPowerMDISupported
    lldpXdot3RemPowerMDIEncabled
    lldpXdot3RemPowerPairControlable
    lldpXdot3RemPowerPairs
    lldpXdot3RemPowerClass
}
    LldpPowerPortClass,
    TruthValue,
    TruthValue,
    TruthValue,
    Integer32,
    AutonomousType

555 lldpXdot3RemPowerPortClass OBJECT-TYPE
    SYNTAX LldpPowerPortClass
    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 802.1AB/D8 section H.3.1"
    ::= { lldpXdot3RemPowerEntry 1 }

lldpXdot3RemPowerMDISupported 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

```

```

575      "IEEE 802.1AB/D8 section H.3.1"
576      ::= { lldpXdot3RemPowerEntry 2 }

577 lldpXdot3RemPowerMDIEnabled OBJECT-TYPE
578   SYNTAX  TruthValue
579   MAX-ACCESS read-only
580   STATUS  current
581   DESCRIPTION
582     "The truth value used to identify whether MDI power is
583     enabled on the given port associated with the remote system."
584   REFERENCE
585     "IEEE 802.1AB/D8 section H.3.1"
586     ::= { lldpXdot3RemPowerEntry 3 }

587 lldpXdot3RemPowerPairControlable OBJECT-TYPE
588   SYNTAX  TruthValue
589   MAX-ACCESS read-only
590   STATUS  current
591   DESCRIPTION
592     "The truth value used to indicate if the pair selection
593     can be controlled on the given port associated with the
594     remote system."
595   REFERENCE
596     "IEEE 802.1AB/D8 section H.3.1"
597     ::= { lldpXdot3RemPowerEntry 4 }

598 lldpXdot3RemPowerPairs OBJECT-TYPE
599   SYNTAX  Integer32(1..2)
600   MAX-ACCESS read-only
601   STATUS  current
602   DESCRIPTION
603     "This object contains the value of the pethPsePortPowerPairs
604     object (defined in IETF RFC 3621) which is associated with
605     the given port on the remote system."
606   REFERENCE
607     "IEEE 802.1AB/D8 section H.3.2"
608     ::= { lldpXdot3RemPowerEntry 5 }

609 lldpXdot3RemPowerClass OBJECT-TYPE
610   SYNTAX  Integer32(1..5)
611   MAX-ACCESS read-only
612   STATUS  current
613   DESCRIPTION
614     "This object contains the value of the
615     pethPsePortPowerClassifications object (defined in IETF
616     RFC 3621) which is associated with the given port on the
617     remote system."
618   REFERENCE
619     "IEEE 802.1AB/D8 section H.3.3"
620     ::= { lldpXdot3RemPowerEntry 6 }

621 ---  

622 ---  

623 --- lldpXdot3RemLinkAggTable: Link Aggregation Information Table  

624 ---  

625 ---  

626 ---  

627 ---  

628 lldpXdot3RemLinkAggTable OBJECT-TYPE
629   SYNTAX  SEQUENCE OF LldpXdot3RemLinkAggEntry
630   MAX-ACCESS not-accessible
631   STATUS  current
632   DESCRIPTION
633     "This table contains port link aggregation information
634     (as a part of the LLDP 802.3 organizational extension)
635     of the remote system."
636     ::= { lldpXdot3RemoteData 3 }

637 lldpXdot3RemLinkAggEntry OBJECT-TYPE
638   SYNTAX  LldpXdot3RemLinkAggEntry
639   MAX-ACCESS not-accessible
640   STATUS  current
641   DESCRIPTION
642     "Link Aggregation information about remote system's port
643     component."
644   INDEX  { lldpRemTimeMark,
645           lldpRemLocalPortNum,
646           lldpRemIndex,
647         }
648   ::= { lldpXdot3RemLinkAggTable 1 }

649 LldpXdot3RemLinkAggEntry ::= SEQUENCE {
650   lldpXdot3RemLinkAggStatus      LldpLinkAggStatusMap,
651   lldpXdot3RemLinkAggPortId    Integer32
652 }

653 ---  

654 ---  

655 --- lldpXdot3RemLinkAggTable: Link Aggregation Information Table  

656 ---  

657 ---  

658 lldpXdot3RemLinkAggTable OBJECT-TYPE
659   SYNTAX  SEQUENCE OF LldpXdot3RemLinkAggEntry
660   MAX-ACCESS not-accessible
661   STATUS  current
662   DESCRIPTION
663     "This table contains port link aggregation information
664     (as a part of the LLDP 802.3 organizational extension)
665     of the remote system."
666     ::= { lldpXdot3RemoteData 3 }

667 lldpXdot3RemLinkAggEntry OBJECT-TYPE
668   SYNTAX  LldpXdot3RemLinkAggEntry
669   MAX-ACCESS not-accessible
670   STATUS  current
671   DESCRIPTION
672     "Information about a particular physical network connection."
673   INDEX  { lldpRemTimeMark,
674           lldpRemLocalPortNum,
675           lldpRemIndex,
676         }
677   ::= { lldpXdot3RemLinkAggTable 1 }

678 LldpXdot3RemLinkAggEntry ::= SEQUENCE {
679   lldpXdot3RemLinkAggStatus      LldpLinkAggStatusMap,
680   lldpXdot3RemLinkAggPortId    Integer32
681 }

682 ---  

683 ---  

684 --- lldpXdot3RemLinkAggTable: Link Aggregation Information Table  

685 ---  

686 ---  

687 lldpXdot3RemLinkAggTable OBJECT-TYPE
688   SYNTAX  SEQUENCE OF LldpXdot3RemLinkAggEntry
689   MAX-ACCESS not-accessible
690   STATUS  current
691   DESCRIPTION
692     "Information about a particular physical network connection."
693   INDEX  { lldpRemTimeMark,
694           lldpRemLocalPortNum,
695           lldpRemIndex,
696         }
697   ::= { lldpXdot3RemLinkAggTable 1 }

698 LldpXdot3RemLinkAggEntry ::= SEQUENCE {
699   lldpXdot3RemLinkAggStatus      LldpLinkAggStatusMap,
700   lldpXdot3RemLinkAggPortId    Integer32
701 }

```

```

lldpXdot3RemLinkAggStatus OBJECT-TYPE
SYNTAX LldpLinkAggStatusMap
660 MAX-ACCESS read-only
STATUS current
DESCRIPTION
   "The bitmap value contains the link aggregation capabilities
   and the current aggregation status of the link."
REFERENCE
   "IEEE 802.1AB/D8 section H.4.1"
::= { lldpXdot3RemLinkAggEntry 1 }

lldpXdot3RemLinkAggPortId OBJECT-TYPE
SYNTAX Integer32(0|1..2147483647)
670 MAX-ACCESS read-only
STATUS current
DESCRIPTION
   "This object contains the IEEE 802.3 aggregated port
   identifier, aAggPortID (IEEE 802.3-2002, 30.7.2.1.1),
   derived from the ifNumber of the ifIndex for the port
   component associated with the remote system."
REFERENCE
   "IEEE 802.1AB/D8 section H.4.2"
::= { lldpXdot3RemLinkAggEntry 2 }

-- conformance information

685 lldpXdot3Conformance OBJECT IDENTIFIER ::= { lldpXdot3MIB 2 }
lldpXdot3Compliances OBJECT IDENTIFIER ::= { lldpXdot3Conformance 1 }
lldpXdot3Groups OBJECT IDENTIFIER ::= { lldpXdot3Conformance 2 }

-- compliance statements

690 lldpXdot3Compliance MODULE-COMPLIANCE
STATUS current
DESCRIPTION
   "The compliance statement for SNMP entities which implement
   the LLDP 802.3 organizational extension MIB."
MODULE -- this module
MANDATORY-GROUPS { lldpXdot3ConfigGroup,
                   lldpXdot3RemSysGroup
}
700 GROUP lldpXdot3OptLocSysGroup
DESCRIPTION
   "This object represents the information associated with
   the IEEE 802.3 optional TLVs, therefore the agent may
   not implement them."
::= { lldpXdot3Compliances 1 }

-- MIB groupings

710 lldpXdot3ConfigGroup OBJECT-GROUP
OBJECTS {
   lldpXdot3PortConfigTLVsTxEnable
}
STATUS current
DESCRIPTION
   "The collection of objects which are used to configure the
   LLDP 802.3 organizational extension implementation behavior.

   This group is mandatory for agents which implement the
   LLDP 802.3 organizational extension."
::= { lldpXdot3Groups 1 }

lldpXdot3OptLocSysGroup OBJECT-GROUP
OBJECTS {
   lldpXdot3LocPortAutoNegSupported,
   lldpXdot3LocPortAutoNegEnabled,
   lldpXdot3LocPortPMDCapability,
   lldpXdot3LocPortPMDDefaultConfig,
   lldpXdot3LocPortFaultIndication,
   lldpXdot3LocPowerPortClass,
   lldpXdot3LocPowerMDISupported,
   lldpXdot3LocPowerMDIEnabled,
   lldpXdot3LocPowerPairControlable,
   lldpXdot3LocPowerPairs,
   lldpXdot3LocPowerClass,
   lldpXdot3LocLinkAggStatus,
   lldpXdot3LocLinkAggPortId
}
725 STATUS current
|
lldpXdot3RemLinkAggStatus OBJECT-TYPE
SYNTAX LldpLinkAggStatusMap
MAX-ACCESS read-only
STATUS current
DESCRIPTION
   "The bitmap value contains the link aggregation capabilities
   and the current aggregation status of the link."
REFERENCE
   "IEEE 802.1AB/D8 section H.4.1"
::= { lldpXdot3RemLinkAggEntry 1 }

lldpXdot3RemLinkAggPortId OBJECT-TYPE
SYNTAX Integer32
675 MAX-ACCESS read-only
STATUS current
DESCRIPTION
   "The index value (equivalent to IfIndex, if Interfaces MIB
   is present) used to identify the port component."
|
|
REFERENCE
   "IEEE 802.1AB/D8 section H.4.2"
::= { lldpXdot3RemLinkAggEntry 2 }

-- conformance information

730 lldpXdot3Conformance OBJECT IDENTIFIER ::= { lldpXdot3MIB 2 }
lldpXdot3Compliances OBJECT IDENTIFIER ::= { lldpXdot3Conformance 1 }
lldpXdot3Groups OBJECT IDENTIFIER ::= { lldpXdot3Conformance 2 }

-- compliance statements

lldpXdot3Compliance MODULE-COMPLIANCE
STATUS current
DESCRIPTION
   "The compliance statement for SNMP entities which implement
   the LLDP 802.3 organizational extension MIB."
MODULE -- this module
MANDATORY-GROUPS { lldpXdot3ConfigGroup,
                   lldpXdot3RemSysGroup
}
740 GROUP lldpXdot3OptLocSysGroup
DESCRIPTION
   "This object represents the information associated with
   the IEEE 802.3 optional TLVs, therefore the agent may
   not implement them."
::= { lldpXdot3Compliances 1 }

-- MIB groupings

750 lldpXdot3ConfigGroup OBJECT-GROUP
OBJECTS {
   lldpXdot3PortConfigTLVsTxEnable
}
STATUS current
DESCRIPTION
   "The collection of objects which are used to configure the
   LLDP 802.3 organizational extension behavior.

   This group is mandatory for agents which implement the
   LLDP 802.3 organizational extension."
::= { lldpXdot3Groups 1 }

lldpXdot3OptLocSysGroup OBJECT-GROUP
OBJECTS {
   lldpXdot3LocPortAutoNegSupported,
   lldpXdot3LocPortAutoNegEnabled,
   lldpXdot3LocPortPMDCapability,
   lldpXdot3LocPortPMDDefaultConfig,
   lldpXdot3LocPortFaultIndication,
   lldpXdot3LocPowerPortClass,
   lldpXdot3LocPowerMDISupported,
   lldpXdot3LocPowerMDIEnabled,
   lldpXdot3LocPowerPairControlable,
   lldpXdot3LocPowerPairs,
   lldpXdot3LocPowerClass,
   lldpXdot3LocLinkAggStatus,
   lldpXdot3LocLinkAggPortId
}
735 STATUS current
|

```

<p>DESCRIPTION 740        "The collection of objects which are used to represent LLDP 802.3 organizational extension Local Device Information.  This group is optional for agents which implement the LLDP 802.3 organizational extension." 745        ::= { lldpXdot3Groups 2 }</p> <p>lldpXdot3RemSysGroup OBJECT-GROUP OBJECTS {     lldpXdot3RemPortAutoNegSupported,     lldpXdot3RemPortAutoNegEnabled,     lldpXdot3RemPortPMDCapability,     lldpXdot3RemPortPMDDefaultConfig,     lldpXdot3RemPortFaultIndication,     lldpXdot3RemPowerPortClass, 755        lldpXdot3RemPowerMDISupported,     lldpXdot3RemPowerMDIEnabled,     lldpXdot3RemPowerPairControlable,     lldpXdot3RemPowerPairs,     lldpXdot3RemPowerClass, 760        lldpXdot3RemLinkAggStatus,     lldpXdot3RemLinkAggPortId } STATUS current DESCRIPTION 765        "The collection of objects which are used to represent LLDP 802.3 organizational extension Local Device Information.  This group is mandatory for agents which implement the LLDP 802.3 organizational extension." 770        ::= { lldpXdot3Groups 3 }</p> <p>END</p>	<p>DESCRIPTION "The collection of objects which are used to represent LLDP 802.3 organizational extension Local Device Information.  This group is optional for agents which implement the LLDP 802.3 organizational extension." ::= { lldpXdot3Groups 2 }</p> <p>lldpXdot3RemSysGroup OBJECT-GROUP OBJECTS {     lldpXdot3RemPortAutoNegSupported,     lldpXdot3RemPortAutoNegEnabled,     lldpXdot3RemPortPMDCapability,     lldpXdot3RemPortPMDDefaultConfig,     lldpXdot3RemPortFaultIndication,     lldpXdot3RemPowerPortClass,     lldpXdot3RemPowerMDISupported,     lldpXdot3RemPowerMDIEnabled,     lldpXdot3RemPowerPairControlable,     lldpXdot3RemPowerPair,     lldpXdot3RemPowerClass,     lldpXdot3RemLinkAggStatus,     lldpXdot3RemLinkAggPortId } STATUS current DESCRIPTION "The collection of objects which are used to represent LLDP 802.3 organizational extension Local Device Information.  This group is mandatory for agents which implement the LLDP 802.3 organizational extension." ::= { lldpXdot3Groups 3 }</p> <p>END</p>
---	--