

## How to use Net-SNMP to control LLDP configuration on DGS-3600

### LLDP.MIB

#### Example

```
snmpset -v2c -c private 10.90.90.90 1.0.8802.1.1.2.1.1.1.0 i 32768
```

```
1.0.8802.1.1.2.1.1.2.0 i 2 1.0.8802.1.1.2.1.1.3.0 i 1 1.0.8802.1.1.2.1.1.4.0 i 8192 1.0.
```

```
8802.1.1.2.1.1.5.0 i 3600
```

```
C:\>snmpset -v2c -c private 10.90.90.90 1.0.8802.1.1.2.1.1.1.0 i 32768 1.0.8802.1.1.2.1.1.2.0 i 2 1.0.8802.1.1.2.1.1.3.0 i 1 1.0.8802.1.1.2.1.1.4.0 i 8192 1.0.8802.1.1.2.1.1.5.0 i 3600
iso.0.8802.1.1.2.1.1.1.0 = INTEGER: 32768
iso.0.8802.1.1.2.1.1.2.0 = INTEGER: 2
iso.0.8802.1.1.2.1.1.3.0 = INTEGER: 1
iso.0.8802.1.1.2.1.1.4.0 = INTEGER: 8192
iso.0.8802.1.1.2.1.1.5.0 = INTEGER: 3600
```

The screenshot shows the MIB Tree interface with the following structure:

- iso
  - lldpMIB
    - lldpNotifications
      - lldpNotificationPrefix
      - lldpRemTablesChange
    - lldpObjects
      - lldpConfiguration** (selected)
        - lldpMessageTxInterval
        - lldpMessageTxHoldMultiplier
        - lldpReinitDelay
        - lldpTxDelay
        - lldpNotificationInterval
        - lldpPortConfigTable
          - lldpPortConfigEntry
            - lldpPortConfigPortNum
            - lldpPortConfigAdminStatus
            - lldpPortConfigNotificationEnable
            - lldpPortConfigTLVsTxEnable
        - lldpConfigManAddrTable
          - lldpConfigManAddrEntry
            - lldpConfigManAddrPortsTxEnable

The right pane displays the properties for the selected **lldpConfiguration** node:

Object name	lldpConfiguration
Object ID	1.0.8802.1.1.2.1.1
Module	LLDP-MIB
Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	lldpObjects
First child	lldpMessageTxInterval

	<b>Object name</b> IldpMessageTxInterval <b>Object ID</b> 1.0.8802.1.1.2.1.1.1 <b>Module</b> LLDP-MIB
	<b>Base syntax</b> Integer <b>Composed syntax</b> Integer32 <b>Access</b> Read-Write <b>Status</b> Current <b>Value list</b> 1 : 5..32768
<b>Parent node</b> IldpConfiguration <b>First child</b> None <b>Description</b> The interval at which LLDP frames are transmitted on behalf of this LLDP agent.	
<p>The default value for IldpMessageTxInterval object is 30 seconds.</p> <p>The value of this object must be restored from non-volatile storage after a re-initialization of the management system.</p>	

	<b>Object name</b> IldpMessageTxHoldMultiplier <b>Object ID</b> 1.0.8802.1.1.2.1.1.2 <b>Module</b> LLDP-MIB
	<b>Base syntax</b> Integer <b>Composed syntax</b> Integer32 <b>Access</b> Read-Write <b>Status</b> Current <b>Value list</b> 1 : 2..10
<b>Parent node</b> IldpConfiguration <b>First child</b> None <b>Description</b> The time-to-live value expressed as a multiple of the IldpMessageTxInterval object. The actual time-to-live value used in LLDP frames, transmitted on behalf of this LLDP agent, can be expressed by the following formula: $TTL = \min(65535, (IldpMessageTxInterval * IldpMessageTxHoldMultiplier))$ . For example, if the value of IldpMessageTxInterval is '30', and the value of IldpMessageTxHoldMultiplier is '4', then the value '120' is encoded in the TTL field in the LLDP header.	
<p>The default value for IldpMessageTxHoldMultiplier object is 4.</p> <p>The value of this object must be restored from non-volatile storage after a re-initialization of the management system.</p>	

	<b>Object name</b> IldpReinitDelay <b>Object ID</b> 1.0.8802.1.1.2.1.1.3 <b>Module</b> LLDP-MIB
	<b>Base syntax</b> Integer <b>Composed syntax</b> Integer32 <b>Access</b> Read-Write <b>Status</b> Current <b>Value list</b> 1 : 1..10
<b>Parent node</b> IldpConfiguration <b>First child</b> None <b>Description</b> The IldpReinitDelay indicates the delay (in units of seconds) from when IldpPortConfigAdminStatus object of a particular port becomes 'disabled' until re-initialization will be attempted.  The default value for IldpReinitDelay object is two seconds.  The value of this object must be restored from non-volatile storage after a re-initialization of the management system.	

	<b>Object name</b> IldpTxDelay <b>Object ID</b> 1.0.8802.1.1.2.1.1.4 <b>Module</b> LLDP-MIB
	<b>Base syntax</b> Integer <b>Composed syntax</b> Integer32 <b>Access</b> Read-Write <b>Status</b> Current <b>Value list</b> 1 : 1..8192
<b>Parent node</b> IldpConfiguration <b>First child</b> None <b>Description</b> The IldpTxDelay indicates the delay (in units of seconds) between successive LLDP frame transmissions initiated by value/status changes in the LLDP local systems MIB. The recommended value for the IldpTxDelay is set by the following formula:  $1 \leq \text{IldpTxDelay} \leq (0.25 * \text{IldpMessageTxInterval})$ The default value for IldpTxDelay object is two seconds.  The value of this object must be restored from non-volatile storage after a re-initialization of the management system.	

MIB Tree	iso	Object name	lldpNotificationInterval
	lldpMIB	Object ID	1.0.8802.1.1.2.1.1.5
lldpNotifications	lldpNotificationPrefix	Module	LLDP-MIB
lldpRemTablesChange	lldpObjects	Base syntax	Integer
lldpConfiguration	lldpMessageTxInterval	Composed syntax	Integer32
lldpMessageTxHoldMultiplier	lldpReinitDelay	Access	Read-Write
lldpTxDelay	<b>lldpNotificationInterval</b>	Status	Current
lldpPortConfigTable	lldpPortConfigEntry	Value list	1 : 5..3600
lldpPortConfigPortNum	lldpPortConfigAdminStatus	Parent node	lldpConfiguration
lldpPortConfigNotificationEnable	lldpPortConfigTLVsTxEnable	First child	None
lldpConfigManAddrTable	lldpConfigManAddrEntry	Description	This object controls the transmission of LLDP notifications.
lldpConfigManAddrPortsTxEnable	lldpStatistics		
lldpStatsRemTablesLastChangeTime	lldpStatsRemTablesLastChangeTime		
lldpStatsRemTablesInserts	lldpStatsRemTablesInserts		
lldpStatsRemTablesDeletes	lldpStatsRemTablesDeletes		
lldpStatsRemTablesDrops	lldpStatsRemTablesDrops		
lldpStatsRemTablesAgeouts	lldpStatsRemTablesAgeouts		
lldpStatsTxPortTable	lldpStatsTxPortEntry		
lldpStatsTxPortNum	lldpStatsTxPortNum		

the agent must not generate more than one lldpRemTablesChange notification-event in the indicated period, where a 'notification-event' is the transmission of a single notification PDU type to a list of notification destinations. If additional changes in lldpRemoteSystemsData object groups occur within the indicated throttling period, then these trap-events must be suppressed by the agent. An NMS should periodically check the value of lldpStatsRemTableLastChangeTime to detect any missed lldpRemTablesChange notification-events, e.g. due to throttling or transmission loss.

If notification transmission is enabled for particular ports, the suggested default throttling period is 5 seconds.

The value of this object must be restored from non-volatile storage after a re-initialization of the management system.

### View LLDP Port Control Table

```
snmpwalk -v2c -c private 10.90.90.90 1.0.8802.1.1.2.1.1.6
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.0.8802.1.1.2.1.1.6
iso.0.8802.1.1.2.1.1.6.1.2.1 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.2 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.3 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.4 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.5 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.6 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.7 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.8 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.9 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.10 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.11 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.12 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.13 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.14 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.15 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.16 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.17 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.18 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.19 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.20 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.21 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.22 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.23 = INTEGER: 3
```

	Object name	IldpPortConfigTable
	Object ID	1.0.8802.1.1.2.1.1.6
	Module	LLDP-MIB
	Base syntax	Sequence Of IldpPortConfigEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:IldpPortConfigPortNum - Integer 2:IldpPortConfigAdminStatus - Integer 3:IldpPortConfigNotificationEnable - Integer 4:IldpPortConfigTLVsTxEnable - 0
	Parent node	IldpConfiguration
	First child	IldpPortConfigEntry
	Description	The table that controls LLDP frame transmission on individual ports.

	Object name	IldpPortConfigPortNum
	Object ID	1.0.8802.1.1.2.1.1.6.1.1
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	LldpPortNumber
	Access	Not_Accessible
	Status	Current
	Value list	1 : 1.4096
	Parent node	IldpPortConfigEntry
	First child	None
Description	The index value used to identify the port component (contained in the local chassis with the LLDP agent) associated with this entry.  The value of this object is used as a port index to the IldpPortConfigTable.	

### View LLDP Port Control Admin Status

```
snmpwalk -v2c -c private 10.90.90.90 1.0.8802.1.1.2.1.1.6.1.2
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.0.8802.1.1.2.1.1.6.1.2
iso.0.8802.1.1.2.1.1.6.1.2.1 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.2 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.3 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.4 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.5 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.6 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.7 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.8 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.9 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.10 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.11 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.12 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.13 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.14 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.15 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.16 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.17 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.18 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.19 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.20 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.21 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.22 = INTEGER: 3
iso.0.8802.1.1.2.1.1.6.1.2.23 = INTEGER: 3
```

## Set LLDP Port Control Admin Status

Example

Configure port 1 to disable status

```
snmpset -v2c -c private 10.90.90.90 1.0.8802.1.1.2.1.1.6.1.2.1 i 4
```

```
C:\>snmpset -v2c -c private 10.90.90.90 1.0.8802.1.1.2.1.1.6.1.2.1 i 4
iso.0.8802.1.1.2.1.1.6.1.2.1 = INTEGER: 4

C:\>
C:\>
C:\>
```

<p>MIB Tree</p> <ul style="list-style-type: none"> <li>iso <ul style="list-style-type: none"> <li>IldpMIB <ul style="list-style-type: none"> <li>IldpNotifications <ul style="list-style-type: none"> <li>IldpNotificationPrefix <ul style="list-style-type: none"> <li>IldpRemTablesChange</li> </ul> </li> </ul> </li> <li>IldpObjects <ul style="list-style-type: none"> <li>IldpConfiguration <ul style="list-style-type: none"> <li>IldpMessageTxInterval</li> <li>IldpMessageTxHoldMultiplier</li> <li>IldpReinitDelay</li> <li>IldpTxDelay</li> <li>IldpNotificationInterval</li> <li>IldpPortConfigTable <ul style="list-style-type: none"> <li>IldpPortConfigEntry <ul style="list-style-type: none"> <li>IldpPortConfigPortNum</li> <li><b>IldpPortConfigAdminStatus</b></li> <li>IldpPortConfigNotificationEnable</li> <li>IldpPortConfigTLVsTxEnable</li> </ul> </li> </ul> </li> <li>IldpConfigManAddrTable <ul style="list-style-type: none"> <li>IldpConfigManAddrEntry <ul style="list-style-type: none"> <li>IldpConfigManAddrPortsTxEnable</li> </ul> </li> </ul> </li> </ul> </li> <li>IldpStatistics <ul style="list-style-type: none"> <li>IldpStatsRemTablesLastChangeTime</li> <li>IldpStatsRemTablesInserts</li> <li>IldpStatsRemTablesDeletes</li> <li>IldpStatsRemTablesDrops</li> <li>IldpStatsRemTablesAgeouts</li> <li>IldpStatsTxPortTable <ul style="list-style-type: none"> <li>IldpStatsTxPortEntry <ul style="list-style-type: none"> <li>IldpStatsTxPortNum</li> <li>IldpStatsTxPortFramesTotal</li> </ul> </li> </ul> </li> <li>IldpStatsRxPortTable <ul style="list-style-type: none"> <li>IldpStatsRxPortEntry <ul style="list-style-type: none"> <li>IldpStatsRxPortNum</li> <li>IldpStatsRxPortFramesDiscardedT</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>	<table border="1"> <tr> <td>Object name</td> <td>lldpPortConfigAdminStatus</td> </tr> <tr> <td>Object ID</td> <td>1.0.8802.1.1.2.1.1.6.1.2</td> </tr> <tr> <td>Module</td> <td>LLDP-MIB</td> </tr> <tr> <td>Base syntax</td> <td>Integer</td> </tr> <tr> <td>Composed syntax</td> <td>INTEGER</td> </tr> <tr> <td>Access</td> <td>Read-Write</td> </tr> <tr> <td>Status</td> <td>Current</td> </tr> <tr> <td>Value list</td> <td>1 : txOnly(1) 2 : rxOnly(2) 3 : txAndRx(3) 4 : disabled(4)</td> </tr> <tr> <td>Parent node</td> <td>lldpPortConfigEntry</td> </tr> <tr> <td>First child</td> <td>None</td> </tr> <tr> <td>Description</td> <td>The administratively desired status of the local LLDP agent.</td> </tr> <tr> <td></td> <td>If the associated lldpPortConfigAdminStatus object has a value of 'txOnly(1)', then LLDP agent will transmit LLDP frames on this port and it will not store any information about the remote systems connected.</td> </tr> <tr> <td></td> <td>If the associated lldpPortConfigAdminStatus object has a value of 'rxOnly(2)', then the LLDP agent will receive, but it will not transmit LLDP frames on this port.</td> </tr> <tr> <td></td> <td>If the associated lldpPortConfigAdminStatus object has a value of 'txAndRx(3)', then the LLDP agent will transmit and receive LLDP frames on this port.</td> </tr> <tr> <td></td> <td>If the associated lldpPortConfigAdminStatus object has a value of 'disabled(4)', then LLDP agent will not transmit or receive LLDP frames on this port. If there is remote systems information which is received on this port and stored in other tables, before the port's lldpPortConfigAdminStatus becomes disabled, then the information will naturally age out.</td> </tr> </table>	Object name	lldpPortConfigAdminStatus	Object ID	1.0.8802.1.1.2.1.1.6.1.2	Module	LLDP-MIB	Base syntax	Integer	Composed syntax	INTEGER	Access	Read-Write	Status	Current	Value list	1 : txOnly(1) 2 : rxOnly(2) 3 : txAndRx(3) 4 : disabled(4)	Parent node	lldpPortConfigEntry	First child	None	Description	The administratively desired status of the local LLDP agent.		If the associated lldpPortConfigAdminStatus object has a value of 'txOnly(1)', then LLDP agent will transmit LLDP frames on this port and it will not store any information about the remote systems connected.		If the associated lldpPortConfigAdminStatus object has a value of 'rxOnly(2)', then the LLDP agent will receive, but it will not transmit LLDP frames on this port.		If the associated lldpPortConfigAdminStatus object has a value of 'txAndRx(3)', then the LLDP agent will transmit and receive LLDP frames on this port.		If the associated lldpPortConfigAdminStatus object has a value of 'disabled(4)', then LLDP agent will not transmit or receive LLDP frames on this port. If there is remote systems information which is received on this port and stored in other tables, before the port's lldpPortConfigAdminStatus becomes disabled, then the information will naturally age out.
Object name	lldpPortConfigAdminStatus																														
Object ID	1.0.8802.1.1.2.1.1.6.1.2																														
Module	LLDP-MIB																														
Base syntax	Integer																														
Composed syntax	INTEGER																														
Access	Read-Write																														
Status	Current																														
Value list	1 : txOnly(1) 2 : rxOnly(2) 3 : txAndRx(3) 4 : disabled(4)																														
Parent node	lldpPortConfigEntry																														
First child	None																														
Description	The administratively desired status of the local LLDP agent.																														
	If the associated lldpPortConfigAdminStatus object has a value of 'txOnly(1)', then LLDP agent will transmit LLDP frames on this port and it will not store any information about the remote systems connected.																														
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	Object name	IldpPortConfigNotificationEnable
	Object ID	1.0.8802.1.1.2.1.1.6.1.3
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	TruthValue
	Access	Read-Write
	Status	Current
	Value list	1 : true(1) 2 : false(2)
	Parent node	IldpPortConfigEntry
	First child	None
Description	The IldpPortConfigNotificationEnable controls, on a per port basis, whether or not notifications from the agent are enabled. The value true(1) means that notifications are enabled; the value false(2) means that they are not.	

	Base syntax	Integer
	Composed syntax	BITS
	Access	Read-Write
	Status	Current
	Parent node	IldpPortConfigEntry
	First child	None
	Description	The IldpPortConfigTLVsTxEnable, defined as a bitmap, includes the basic set of LLDP TLVs whose transmission is allowed on the local LLDP agent by the network management. Each bit in the bitmap corresponds to a TLV type associated with a specific optional TLV.  It should be noted that the organizationally-specific TLVs are excluded from the IldpTLVsTxEnable bitmap.  LLDP Organization Specific Information Extension MIBs should have similar configuration object to control transmission of their organizationally defined TLVs.  The bit 'portDesc(0)' indicates that LLDP agent should transmit 'Port Description TLV'.  The bit 'sysName(1)' indicates that LLDP agent should transmit 'System Name TLV'.  The bit 'sysDesc(2)' indicates that LLDP agent should transmit 'System Description TLV'.  The bit 'sysCap(3)' indicates that LLDP agent should transmit 'System Capabilities TLV'.  There is no bit reserved for the management address TLV type since transmission of management address TLVs are controlled by another object, IldpConfigManAddrTable.  The default value for IldpPortConfigTLVsTxEnable object is empty set, which means no enumerated values are set.  The value of this object must be restored from non-volatile storage after a re-initialization of the management system.



	Object name	lldpConfigManAddrTable
	Object ID	1.0.8802.1.1.2.1.1.7
	Module	LLDP-MIB
	Base syntax	Sequence Of lldpConfigManAddrEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:lldpConfigManAddrPortsTxEnable - Octet String
	Parent node	lldpConfiguration
	First child	lldpConfigManAddrEntry
	Description	The table that controls selection of LLDP management address TLV instances to be transmitted on individual ports.

	Object name	lldpConfigManAddrPortsTxEnable
	Object ID	1.0.8802.1.1.2.1.1.7.1.1
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	LldpPortList
	Access	Read-Write
	Status	Current
	Value list	1 : 0..512
	Parent node	lldpConfigManAddrEntry
	First child	None
Description	A set of ports that are identified by a PortList, in which each port is represented as a bit. The corresponding local system management address instance will be transmitted on the member ports of the lldpManAddrPortsTxEnable.  The default value for lldpConfigManAddrPortsTxEnable object is empty binary string, which means no ports are specified for advertising indicated management address instance.	

Object name	lldpStatistics
Object ID	1.0.8802.1.1.2.1.2
Module	LLDP-MIB
Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	lldpObjects
First child	lldpStatsRemTablesLastChangeTime

Object name	lldpStatsRemTablesLastChangeTime
Object ID	1.0.8802.1.1.2.1.2.1
Module	LLDP-MIB
Base syntax	Time Ticks
Composed syntax	TimeStamp
Access	Read-Only
Status	Current
Parent node	lldpStatistics
First child	None
Description	<p>The value of sysUpTime object (defined in IETF RFC 3418) at the time an entry is created, modified, or deleted in the in tables associated with the lldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems.</p> <p>An NMS can use this object to reduce polling of the lldpRemoteSystemsData objects.</p>

	<table border="1"> <tr><td>Object name</td><td>lldpStatsRemTablesInserts</td></tr> <tr><td>Object ID</td><td>1.0.8802.1.1.2.1.2.2</td></tr> <tr><td>Module</td><td>LLDP-MIB</td></tr> <tr><td>Base syntax</td><td>Gauge</td></tr> <tr><td>Composed syntax</td><td>ZeroBasedCounter32</td></tr> <tr><td>Access</td><td>Read-Only</td></tr> <tr><td>Status</td><td>Current</td></tr> <tr><td>Parent node</td><td>lldpStatistics</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in lldpRemoteSystemsData and lldpExtensions objects.  The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed.  This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in lldpStatsRemTablesInserts since the insert is not completed yet or in lldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the lldpStatsRemTablesDrops counter should be incremented once.</td></tr> </table>	Object name	lldpStatsRemTablesInserts	Object ID	1.0.8802.1.1.2.1.2.2	Module	LLDP-MIB	Base syntax	Gauge	Composed syntax	ZeroBasedCounter32	Access	Read-Only	Status	Current	Parent node	lldpStatistics	First child	None	Description	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in lldpRemoteSystemsData and lldpExtensions objects.  The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed.  This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in lldpStatsRemTablesInserts since the insert is not completed yet or in lldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the lldpStatsRemTablesDrops counter should be incremented once.
Object name	lldpStatsRemTablesInserts																				
Object ID	1.0.8802.1.1.2.1.2.2																				
Module	LLDP-MIB																				
Base syntax	Gauge																				
Composed syntax	ZeroBasedCounter32																				
Access	Read-Only																				
Status	Current																				
Parent node	lldpStatistics																				
First child	None																				
Description	The number of times the complete set of information advertised by a particular MSAP has been inserted into tables contained in lldpRemoteSystemsData and lldpExtensions objects.  The complete set of information received from a particular MSAP should be inserted into related tables. If partial information cannot be inserted for a reason such as lack of resources, all of the complete set of information should be removed.  This counter should be incremented only once after the complete set of information is successfully recorded in all related tables. Any failures during inserting information set which result in deletion of previously inserted information should not trigger any changes in lldpStatsRemTablesInserts since the insert is not completed yet or in lldpStatsRemTablesDeletes, since the deletion would only be a partial deletion. If the failure was the result of lack of resources, the lldpStatsRemTablesDrops counter should be incremented once.																				

	<table border="1"> <tr><td>Object name</td><td>lldpStatsRemTablesDeletes</td></tr> <tr><td>Object ID</td><td>1.0.8802.1.1.2.1.2.3</td></tr> <tr><td>Module</td><td>LLDP-MIB</td></tr> <tr><td>Base syntax</td><td>Gauge</td></tr> <tr><td>Composed syntax</td><td>ZeroBasedCounter32</td></tr> <tr><td>Access</td><td>Read-Only</td></tr> <tr><td>Status</td><td>Current</td></tr> <tr><td>Parent node</td><td>lldpStatistics</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in lldpRemoteSystemsData and lldpExtensions objects.  This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.</td></tr> </table>	Object name	lldpStatsRemTablesDeletes	Object ID	1.0.8802.1.1.2.1.2.3	Module	LLDP-MIB	Base syntax	Gauge	Composed syntax	ZeroBasedCounter32	Access	Read-Only	Status	Current	Parent node	lldpStatistics	First child	None	Description	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in lldpRemoteSystemsData and lldpExtensions objects.  This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.
Object name	lldpStatsRemTablesDeletes																				
Object ID	1.0.8802.1.1.2.1.2.3																				
Module	LLDP-MIB																				
Base syntax	Gauge																				
Composed syntax	ZeroBasedCounter32																				
Access	Read-Only																				
Status	Current																				
Parent node	lldpStatistics																				
First child	None																				
Description	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in lldpRemoteSystemsData and lldpExtensions objects.  This counter should be incremented only once when the complete set of information is completely deleted from all related tables. Partial deletions, such as deletion of rows associated with a particular MSAP from some tables, but not from all tables are not allowed, thus should not change the value of this counter.																				

	Object name	lldpStatsRemTablesDrops
	Object ID	1.0.8802.1.1.2.1.2.4
	Module	LLDP-MIB
	Base syntax	Gauge
	Composed syntax	ZeroBasedCounter32
	Access	Read-Only
	Status	Current
	Parent node	lldpStatistics
	First child	None
	Description	The number of times the complete set of information advertised by a particular MSAP could not be entered into tables contained in lldpRemoteSystemsData and lldpExtensions objects because of insufficient resources.

	Object name	lldpStatsRemTablesAgeouts
	Object ID	1.0.8802.1.1.2.1.2.5
	Module	LLDP-MIB
	Base syntax	Gauge
	Composed syntax	ZeroBasedCounter32
	Access	Read-Only
	Status	Current
	Parent node	lldpStatistics
	First child	None
	Description	The number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in lldpRemoteSystemsData and lldpExtensions objects because the information timeliness interval has expired.  This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.

	Object name	lldpStatsTxPortTable
	Object ID	1.0.8802.1.1.2.1.2.6
	Module	LLDP-MIB
	Base syntax	Sequence Of lldpStatsTxPortEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:lldpStatsTxPortNum - Integer 2:lldpStatsTxPortFramesTotal - Counter
	Parent node	lldpStatistics
	First child	lldpStatsTxPortEntry
	Description	A table containing LLDP transmission statistics for individual ports. Entries are not required to exist in this table while the lldpPortConfigEntry object is equal to 'disabled(4)'.  This counter should be incremented only once when the complete set of information is completely invalidated (aged out) from all related tables. Partial aging, similar to deletion case, is not allowed, and thus, should not change the value of this counter.

	Object name	IldpStatsTxPortNum
	Object ID	1.0.8802.1.1.2.1.2.6.1.1
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	LldpPortNumber
	Access	Not_Accessible
	Status	Current
	Value list	1 : 1.4096
	Parent node	IldpStatsTxPortEntry
	First child	None
Description	The index value used to identify the port component (contained in the local chassis with the LLDP agent) associated with this entry.  The value of this object is used as a port index to the IldpStatsTable.	

	Object name	IldpStatsTxPortFramesTotal
	Object ID	1.0.8802.1.1.2.1.2.6.1.2
	Module	LLDP-MIB
	Base syntax	Counter
	Composed syntax	Counter32
	Access	Read-Only
	Status	Current
	Parent node	IldpStatsTxPortEntry
	First child	None
	Description	The number of LLDP frames transmitted by this LLDP agent on the indicated port.

	Object name	IldpStatsRxPortTable
	Object ID	1.0.8802.1.1.2.1.2.7
	Module	LLDP-MIB
	Base syntax	Sequence Of IldpStatsRxPortEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:IldpStatsRxPortNum - Integer 2:IldpStatsRxPortFramesDiscardedTotal - Counter 3:IldpStatsRxPortFramesErrors - Counter 4:IldpStatsRxPortFramesTotal - Counter 5:IldpStatsRxPortTLVsDiscardedTotal - Counter 6:IldpStatsRxPortTLVsUnrecognizedTotal - Counter 7:IldpStatsRxPortAgeoutsTotal - Gauge
	Parent node	IldpStatistics
	First child	IldpStatsRxPortEntry
	Description	A table containing LLDP reception statistics for individual ports. Entries are not required to exist in this table while the IldpPortConfigEntry object is equal to 'disabled(4)'.  IldpLocalSystemData

	Object name	lldpStatsRxPortNum
	Object ID	1.0.8802.1.1.2.1.2.7.1.1
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	LldpPortNumber
	Access	Not_Accessible
	Status	Current
	Value list	1 : 1..4096
	Parent node	lldpStatsRxPortEntry
	First child	None
Description	The index value used to identify the port component (contained in the local chassis with the LLDP agent) associated with this entry.  The value of this object is used as a port index to the lldpStatsTable.	

	Object name	lldpStatsRxPortFramesDiscardedTotal
	Object ID	1.0.8802.1.1.2.1.2.7.1.2
	Module	LLDP-MIB
	Base syntax	Counter
	Composed syntax	Counter32
	Access	Read-Only
	Status	Current
	Parent node	lldpStatsRxPortEntry
	First child	None
	Description	The number of LLDP frames received by this LLDP agent on the indicated port, and then discarded for any reason. This counter can provide an indication that LLDP header formatting problems may exist with the local LLDP agent in the sending system or that LLDPDU validation problems may exist with the local LLDP agent in the receiving system.

	Object name	lldpStatsRxPortFramesErrors
	Object ID	1.0.8802.1.1.2.1.2.7.1.3
	Module	LLDP-MIB
	Base syntax	Counter
	Composed syntax	Counter32
	Access	Read-Only
	Status	Current
	Parent node	lldpStatsRxPortEntry
	First child	None
	Description	The number of invalid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.

	Object name	lldpStatsRxPortFramesTotal	
	Object ID	1.0.8802.1.1.2.1.2.7.1.4	
	Module	LLDP-MIB	
	Base syntax	Counter	
	Composed syntax	Counter32	
	Access	Read-Only	
	Status	Current	
	Parent node	lldpStatsRxPortEntry	
	First child	None	
	Description	The number of valid LLDP frames received by this LLDP agent on the indicated port, while this LLDP agent is enabled.	

	Object name	lldpStatsRxPortTLVsDiscardedTotal	
	Object ID	1.0.8802.1.1.2.1.2.7.1.5	
	Module	LLDP-MIB	
	Base syntax	Counter	
	Composed syntax	Counter32	
	Access	Read-Only	
	Status	Current	
	Parent node	lldpStatsRxPortEntry	
	First child	None	
	Description	The number of LLDP TLVs discarded for any reason by this LLDP agent on the indicated port.	

	Object name	lldpStatsRxPortTLVsUnrecognizedTotal	
	Object ID	1.0.8802.1.1.2.1.2.7.1.6	
	Module	LLDP-MIB	
	Base syntax	Counter	
	Composed syntax	Counter32	
	Access	Read-Only	
	Status	Current	
	Parent node	lldpStatsRxPortEntry	
	First child	None	
	Description	The number of LLDP TLVs received on the given port that are not recognized by this LLDP agent on the indicated port.	

An unrecognized TLV is referred to as the TLV whose type value is in the range of reserved TLV types (000 1001 - 111 1110) in Table 9.1 of IEEE Std 802.1AB-2005. An unrecognized TLV may be a basic management TLV from a later LLDP version.

<pre> IldpStatistics ├── IldpStatsRemTablesLastChangeTime ├── IldpStatsRemTablesInserts ├── IldpStatsRemTablesDeletes ├── IldpStatsRemTablesDrops ├── IldpStatsRemTablesAgeouts ├── IldpStatsTxPortTable │   └── IldpStatsTxPortEntry │       ├── IldpStatsTxPortNum │       └── IldpStatsTxPortFramesTotal ├── IldpStatsRxPortTable │   └── IldpStatsRxPortEntry │       ├── IldpStatsRxPortNum │       ├── IldpStatsRxPortFramesDiscardedTotal │       ├── IldpStatsRxPortFramesErrors │       ├── IldpStatsRxPortFramesTotal │       ├── IldpStatsRxPortTLVsDiscardedTotal │       ├── IldpStatsRxPortTLVsUnrecognizedTotal │       └── IldpStatsRxPortAgeoutsTotal ├── IldpLocalSystemData │   ├── IldpLocChassisIdSubtype │   ├── IldpLocChassisId │   ├── IldpLocSysName │   ├── IldpLocSysDesc │   ├── IldpLocSysCapSupported │   └── IldpLocSysCapEnabled ├── IldpLocPortTable │   └── IldpLocPortEntry │       ├── IldpLocPortNum │       ├── IldpLocPortIdSubtype │       ├── IldpLocPortId │       └── IldpLocPortDesc ├── IldpLocManAddrTable │   └── IldpLocManAddrEntry │       ├── IldpLocManAddrSubtype │       └── IldpLocManAddr </pre>	<table border="1"> <tr> <td>Object name</td> <td>IldpStatsRxPortAgeoutsTotal</td> </tr> <tr> <td>Object ID</td> <td>1.0.8802.1.1.2.1.2.7.1.7</td> </tr> <tr> <td>Module</td> <td>LLDP-MIB</td> </tr> <tr> <td>Base syntax</td> <td>Gauge</td> </tr> <tr> <td>Composed syntax</td> <td>ZeroBasedCounter32</td> </tr> <tr> <td>Access</td> <td>Read-Only</td> </tr> <tr> <td>Status</td> <td>Current</td> </tr> <tr> <td>Parent node</td> <td>IldpStatsRxPortEntry</td> </tr> <tr> <td>First child</td> <td>None</td> </tr> <tr> <td>Description</td> <td> <p>The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired.</p> <p>This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only.</p> <p>This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'txOnly', 'rxOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port.</p> <p>This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.</p> </td> </tr> </table>	Object name	IldpStatsRxPortAgeoutsTotal	Object ID	1.0.8802.1.1.2.1.2.7.1.7	Module	LLDP-MIB	Base syntax	Gauge	Composed syntax	ZeroBasedCounter32	Access	Read-Only	Status	Current	Parent node	IldpStatsRxPortEntry	First child	None	Description	<p>The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired.</p> <p>This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only.</p> <p>This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'txOnly', 'rxOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port.</p> <p>This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.</p>
Object name	IldpStatsRxPortAgeoutsTotal																				
Object ID	1.0.8802.1.1.2.1.2.7.1.7																				
Module	LLDP-MIB																				
Base syntax	Gauge																				
Composed syntax	ZeroBasedCounter32																				
Access	Read-Only																				
Status	Current																				
Parent node	IldpStatsRxPortEntry																				
First child	None																				
Description	<p>The counter that represents the number of age-outs that occurred on a given port. An age-out is the number of times the complete set of information advertised by a particular MSAP has been deleted from tables contained in IldpRemoteSystemsData and IldpExtensions objects because the information timeliness interval has expired.</p> <p>This counter is similar to IldpStatsRemTablesAgeouts, except that the counter is on a per port basis. This enables NMS to poll tables associated with the IldpRemoteSystemsData objects and all LLDP extension objects associated with remote systems on the indicated port only.</p> <p>This counter should be set to zero during agent initialization and its value should not be saved in non-volatile storage. When a port's admin status changes from 'disabled' to 'txOnly', 'rxOnly' or 'txAndRx', the counter associated with the same port should reset to 0. The agent should also flush all remote system information associated with the same port.</p> <p>This counter should be incremented only once when the complete set of information is invalidated (aged out) from all related tables on a particular port. Partial aging is not allowed, and thus, should not change the value of this counter.</p>																				



	Object name	lldpLocalSystemData
	Object ID	1.0.8802.1.1.2.1.3
	Module	LLDP-MIB
	Base syntax	Object Identifier
	Access	Not_Accessible
	Status	Mandatory
	Parent node	lldpObjects
	First child	lldpLocChassisIdSubtype

	Object name	lldpLocChassisIdSubtype
	Object ID	1.0.8802.1.1.2.1.3.1
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	LldpChassisIdSubtype
	Access	Read-Only
	Status	Current
	Value list	<ul style="list-style-type: none"> <li>1 : chassisComponent(1)</li> <li>2 : interfaceAlias(2)</li> <li>3 : portComponent(3)</li> <li>4 : macAddress(4)</li> <li>5 : networkAddress(5)</li> <li>6 : interfaceName(6)</li> <li>7 : local(7)</li> </ul>
	Parent node	lldpLocalSystemData
	First child	None
	Description	The type of encoding used to identify the chassis associated with the local system.

	Object name	lldpLocChassisId
	Object ID	1.0.8802.1.1.2.1.3.2
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	LldpChassisId
	Access	Read-Only
	Status	Current
	Value list	1 : 1..255
	Parent node	lldpLocalSystemData
	First child	None
	Description	The string value used to identify the chassis component associated with the local system.

<ul style="list-style-type: none"> <li>lldpLocalSystemData <ul style="list-style-type: none"> <li>lldpLocChassisIdSubtype</li> <li>lldpLocChassisId</li> <li><b>lldpLocSysName</b></li> <li>lldpLocSysDesc</li> <li>lldpLocSysCapSupported</li> <li>lldpLocSysCapEnabled</li> <li>lldpLocPortTable <ul style="list-style-type: none"> <li>lldpLocPortEntry <ul style="list-style-type: none"> <li>lldpLocPortNum</li> <li>lldpLocPortIdSubtype</li> <li>lldpLocPortId</li> <li>lldpLocPortDesc</li> </ul> </li> </ul> </li> <li>lldpLocManAddrTable <ul style="list-style-type: none"> <li>lldpLocManAddrEntry <ul style="list-style-type: none"> <li>lldpLocManAddrSubtype</li> <li>lldpLocManAddr</li> <li>lldpLocManAddrLen</li> <li>lldpLocManAddrIfSubtype</li> <li>lldpLocManAddrIfId</li> <li>lldpLocManAddrOID</li> </ul> </li> </ul> </li> </ul> </li> </ul>	Object name	lldpLocSysName
	Object ID	1.0.8802.1.1.2.1.3.3
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	SnmpAdminString
	Access	Read-Only
	Status	Current
	Value list	1 : 0..255
	Parent node	lldpLocalSystemData
	First child	None
	Description	The string value used to identify the system name of the local system. If the local agent supports IETF RFC 3418, lldpLocSysName object should have the same value of sysName object.

<ul style="list-style-type: none"> <li>lldpLocalSystemData <ul style="list-style-type: none"> <li>lldpLocChassisIdSubtype</li> <li>lldpLocChassisId</li> <li>lldpLocSysName</li> <li><b>lldpLocSysDesc</b></li> <li>lldpLocSysCapSupported</li> <li>lldpLocSysCapEnabled</li> <li>lldpLocPortTable <ul style="list-style-type: none"> <li>lldpLocPortEntry <ul style="list-style-type: none"> <li>lldpLocPortNum</li> <li>lldpLocPortIdSubtype</li> <li>lldpLocPortId</li> <li>lldpLocPortDesc</li> </ul> </li> </ul> </li> <li>lldpLocManAddrTable <ul style="list-style-type: none"> <li>lldpLocManAddrEntry <ul style="list-style-type: none"> <li>lldpLocManAddrSubtype</li> <li>lldpLocManAddr</li> <li>lldpLocManAddrLen</li> <li>lldpLocManAddrIfSubtype</li> <li>lldpLocManAddrIfId</li> <li>lldpLocManAddrOID</li> </ul> </li> </ul> </li> </ul> </li> </ul>	Object name	lldpLocSysDesc
	Object ID	1.0.8802.1.1.2.1.3.4
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	SnmpAdminString
	Access	Read-Only
	Status	Current
	Value list	1 : 0..255
	Parent node	lldpLocalSystemData
	First child	None
	Description	The string value used to identify the system description of the local system. If the local agent supports IETF RFC 3418, lldpLocSysDesc object should have the same value of sysDesc object.

<ul style="list-style-type: none"> <li>lldpLocalSystemData <ul style="list-style-type: none"> <li>lldpLocChassisIdSubtype</li> <li>lldpLocChassisId</li> <li>lldpLocSysName</li> <li>lldpLocSysDesc</li> <li><b>lldpLocSysCapSupported</b></li> <li>lldpLocSysCapEnabled</li> <li>lldpLocPortTable <ul style="list-style-type: none"> <li>lldpLocPortEntry <ul style="list-style-type: none"> <li>lldpLocPortNum</li> <li>lldpLocPortIdSubtype</li> <li>lldpLocPortId</li> <li>lldpLocPortDesc</li> </ul> </li> </ul> </li> <li>lldpLocManAddrTable <ul style="list-style-type: none"> <li>lldpLocManAddrEntry <ul style="list-style-type: none"> <li>lldpLocManAddrSubtype</li> <li>lldpLocManAddr</li> <li>lldpLocManAddrLen</li> <li>lldpLocManAddrIfSubtype</li> <li>lldpLocManAddrIfId</li> <li>lldpLocManAddrOID</li> </ul> </li> </ul> </li> </ul> </li> </ul>	Object name	lldpLocSysCapSupported
	Object ID	1.0.8802.1.1.2.1.3.5
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	LldpSystemCapabilitiesMap
	Access	Read-Only
	Status	Current
	Parent node	lldpLocalSystemData
	First child	None
	Description	The bitmap value used to identify which system capabilities are supported on the local system.

	Object name	IldpLocSysCapEnabled
	Object ID	1.0.8802.1.1.2.1.3.6
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	LldpSystemCapabilitiesMap
	Access	Read-Only
	Status	Current
	Parent node	IldpLocalSystemData
	First child	None
	Description	The bitmap value used to identify which system capabilities are enabled on the local system.

	Object name	IldpLocPortTable
	Object ID	1.0.8802.1.1.2.1.3.7
	Module	LLDP-MIB
	Base syntax	Sequence Of IldpLocPortEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:IldpLocPortNum - Integer 2:IldpLocPortIdSubtype - Integer 3:IldpLocPortId - Octet String 4:IldpLocPortDesc - Octet String
	Parent node	IldpLocalSystemData
	First child	IldpLocPortEntry
	Description	This table contains one or more rows per port information associated with the local system known to this agent.

	Object name	IldpLocPortNum
	Object ID	1.0.8802.1.1.2.1.3.7.1.1
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	LldpPortNumber
	Access	Not_Accessible
	Status	Current
	Value list	1 : 1..4096
	Parent node	IldpLocPortEntry
	First child	None
Description	The index value used to identify the port component (contained in the local chassis with the LLDP agent) associated with this entry.  The value of this object is used as a port index to the IldpLocPortTable.	

	Object name	lldpLocPortIdSubtype
	Object ID	1.0.8802.1.1.2.1.3.7.1.2
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	LldpPortIdSubtype
	Access	Read-Only
	Status	Current
	Value list	1 : interfaceAlias(1) 2 : portComponent(2) 3 : macAddress(3) 4 : networkAddress(4) 5 : interfaceName(5) 6 : agentCircuitId(6) 7 : local(7)
	Parent node	lldpLocPortEntry
	First child	None
Description	The type of port identifier encoding used in the associated lldpLocPortId' object.	

	Object name	lldpLocPortId
	Object ID	1.0.8802.1.1.2.1.3.7.1.3
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	LldpPortId
	Access	Read-Only
	Status	Current
	Value list	1 : 1..255
	Parent node	lldpLocPortEntry
	First child	None
Description	The string value used to identify the port component associated with a given port in the local system.	

	Object name	lldpLocPortDesc
	Object ID	1.0.8802.1.1.2.1.3.7.1.4
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	SnmpAdminString
	Access	Read-Only
	Status	Current
	Value list	1 : 0..255
	Parent node	lldpLocPortEntry
	First child	None
Description	The string value used to identify the IEEE 802 LAN station's port description associated with the local system. If the local agent supports IETF RFC 2963, lldpLocPortDesc object should have the same value of ifDescr object.	

	Object name	IldpLocManAddrTable
	Object ID	1.0.8802.1.1.2.1.3.8
	Module	LLDP-MIB
	Base syntax	Sequence Of IldpLocManAddrEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:IldpLocManAddrSubtype - Integer 2:IldpLocManAddr - Octet String 3:IldpLocManAddrLen - Integer 4:IldpLocManAddrIfSubtype - Integer 5:IldpLocManAddrIfId - Integer 6:IldpLocManAddrOID - 0
	Parent node	IldpLocalSystemData
	First child	IldpLocManAddrEntry
	Description	This table contains management address information on the local system known to this agent.

	Object name	IldpLocManAddrSubtype
	Object ID	1.0.8802.1.1.2.1.3.8.1.1
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	AddressFamilyNumbers
	Access	Not_Accessible
	Status	Current
	Value list	1 : other(0) 2 : ipV4(1) 3 : ipV6(2) 4 : nsap(3) 5 : hdlc(4) 6 : bbn1822(5) 7 : all802(6) 8 : e163(7) 9 : e164(8) 10 : f69(9) 11 : x121(10) 12 : ipx(11) 13 : appleTalk(12) 14 : decnetV(13) 15 : banyanVines(14) 16 : e164withNsap(15) 17 : dns(16) 18 : distinguishedName(17) 19 : asNumber(18) 20 : xtpOverIpv4(19) 21 : xtpOverIpv6(20) 22 : xtpNativeModeXTP(21) 23 : fibreChannelWWPN(22) 24 : fibreChannelWNN(23) 25 : gwid(24) 26 : afi(25) 27 : reserved(65535)
	Parent node	IldpLocManAddrEntry
	First child	None
Description	The type of management address identifier encoding used in the associated 'IldpLocManagementAddr' object.	

	Object name	IldpLocManAddr	
	Object ID	1.0.8802.1.1.2.1.3.8.1.2	
	Module	LLDP-MIB	
	Base syntax	Octet String	
	Composed syntax	LldpManAddress	
	Access	Not_Accessible	
	Status	Current	
	Value list	1 : 1..31	
	Parent node	IldpLocManAddrEntry	
	First child	None	
	Description	The string value used to identify the management address component associated with the local system. The purpose of this address is to contact the management entity.	

	Object name	IldpLocManAddrLen	
	Object ID	1.0.8802.1.1.2.1.3.8.1.3	
	Module	LLDP-MIB	
	Base syntax	Integer	
	Composed syntax	Integer32	
	Access	Read-Only	
	Status	Current	
	Parent node	IldpLocManAddrEntry	
	First child	None	
	Description	The total length of the management address subtype and the management address fields in LLDPDUs transmitted by the local LLDP agent.  The management address length field is needed so that the receiving systems that do not implement SNMP will not be required to implement an iana family numbers/address length equivalency table in order to decode the management address.	

	Object name	IldpLocManAddrIfSubtype	
	Object ID	1.0.8802.1.1.2.1.3.8.1.4	
	Module	LLDP-MIB	
	Base syntax	Integer	
	Composed syntax	LldpManAddrIfSubtype	
	Access	Read-Only	
	Status	Current	
	Value list	1 : unknown(1) 2 : ifIndex(2) 3 : systemPortNumber(3)	
	Parent node	IldpLocManAddrEntry	
	First child	None	
	Description	The enumeration value that identifies the interface numbering method used for defining the interface number, associated with the local system.	

	Object name	IldpLocManAddrIfId	
	Object ID	1.0.8802.1.1.2.1.3.8.1.5	
	Module	LLDP-MIB	
	Base syntax	Integer	
	Composed syntax	Integer32	
	Access	Read-Only	
	Status	Current	
	Parent node	IldpLocManAddrEntry	
	First child	None	
	Description	The integer value used to identify the interface number regarding the management address component associated with the local system.	

	Object name	IldpLocManAddrOID	
	Object ID	1.0.8802.1.1.2.1.3.8.1.6	
	Module	LLDP-MIB	
	Base syntax	Object Identifier	
	Composed syntax	OBJECT IDENTIFIER	
	Access	Read-Only	
	Status	Current	
	Parent node	IldpLocManAddrEntry	
	First child	None	
	Description	The OID value used to identify the type of hardware component or protocol entity associated with the management address advertised by the local system agent.	

	Object name	lldpRemoteSystemsData
	Object ID	1.0.8802.1.1.2.1.4
	Module	LLDP-MIB
	Base syntax	Object Identifier
	Access	Not_Accessible
	Status	Mandatory
	Parent node	lldpObjects
	First child	lldpRemTable

	Object name	lldpRemTimeMark
	Object ID	1.0.8802.1.1.2.1.4.1.1.1
	Module	LLDP-MIB
	Base syntax	Time Ticks
	Composed syntax	TimeFilter
	Access	Not_Accessible
	Status	Current
	Parent node	lldpRemEntry
	First child	None
	Description	A TimeFilter for this entry. See the TimeFilter textual convention in IETF RFC 2021 and <a href="http://www.ietf.org/IESG/Implementations/RFC2021-Implementation.txt">http://www.ietf.org/IESG/Implementations/RFC2021-Implementation.txt</a> to see how TimeFilter works.

	Object name	lldpRemLocalPortNum
	Object ID	1.0.8802.1.1.2.1.4.1.1.2
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	LldpPortNumber
	Access	Not_Accessible
	Status	Current
	Value list	1 : 1..4096
	Parent node	lldpRemEntry
	First child	None
Description	The index value used to identify the port component (contained in the local chassis with the LLDP agent) associated with this entry. The lldpRemLocalPortNum identifies the port on which the remote system information is received.  The value of this object is used as a port index to the lldpRemTable.	



	<table border="1"> <tr><td>Object name</td><td>lldpRemIndex</td></tr> <tr><td>Object ID</td><td>1.0.8802.1.1.2.1.4.1.1.3</td></tr> <tr><td>Module</td><td>LLDP-MIB</td></tr> <tr><td>Base syntax</td><td>Integer</td></tr> <tr><td>Composed syntax</td><td>Integer32</td></tr> <tr><td>Access</td><td>Not_Accessible</td></tr> <tr><td>Status</td><td>Current</td></tr> <tr><td>Value list</td><td>1 : 1..2147483647</td></tr> <tr><td>Parent node</td><td>lldpRemEntry</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>This object represents an arbitrary local integer value used by this agent to identify a particular connection instance, unique only for the indicated remote system.  An agent is encouraged to assign monotonically increasing index values to new entries, starting with one, after each reboot. It is considered unlikely that the lldpRemIndex will wrap between reboots.</td></tr> </table>	Object name	lldpRemIndex	Object ID	1.0.8802.1.1.2.1.4.1.1.3	Module	LLDP-MIB	Base syntax	Integer	Composed syntax	Integer32	Access	Not_Accessible	Status	Current	Value list	1 : 1..2147483647	Parent node	lldpRemEntry	First child	None	Description	This object represents an arbitrary local integer value used by this agent to identify a particular connection instance, unique only for the indicated remote system.  An agent is encouraged to assign monotonically increasing index values to new entries, starting with one, after each reboot. It is considered unlikely that the lldpRemIndex will wrap between reboots.
Object name	lldpRemIndex																						
Object ID	1.0.8802.1.1.2.1.4.1.1.3																						
Module	LLDP-MIB																						
Base syntax	Integer																						
Composed syntax	Integer32																						
Access	Not_Accessible																						
Status	Current																						
Value list	1 : 1..2147483647																						
Parent node	lldpRemEntry																						
First child	None																						
Description	This object represents an arbitrary local integer value used by this agent to identify a particular connection instance, unique only for the indicated remote system.  An agent is encouraged to assign monotonically increasing index values to new entries, starting with one, after each reboot. It is considered unlikely that the lldpRemIndex will wrap between reboots.																						

	<table border="1"> <tr><td>Object name</td><td>lldpRemChassisIdSubtype</td></tr> <tr><td>Object ID</td><td>1.0.8802.1.1.2.1.4.1.1.4</td></tr> <tr><td>Module</td><td>LLDP-MIB</td></tr> <tr><td>Base syntax</td><td>Integer</td></tr> <tr><td>Composed syntax</td><td>LldpChassisIdSubtype</td></tr> <tr><td>Access</td><td>Read-Only</td></tr> <tr><td>Status</td><td>Current</td></tr> <tr><td>Value list</td><td>1 : chassisComponent(1) 2 : interfaceAlias(2) 3 : portComponent(3) 4 : macAddress(4) 5 : networkAddress(5) 6 : interfaceName(6) 7 : local(7)</td></tr> <tr><td>Parent node</td><td>lldpRemEntry</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>The type of encoding used to identify the chassis associated with the remote system.</td></tr> </table>	Object name	lldpRemChassisIdSubtype	Object ID	1.0.8802.1.1.2.1.4.1.1.4	Module	LLDP-MIB	Base syntax	Integer	Composed syntax	LldpChassisIdSubtype	Access	Read-Only	Status	Current	Value list	1 : chassisComponent(1) 2 : interfaceAlias(2) 3 : portComponent(3) 4 : macAddress(4) 5 : networkAddress(5) 6 : interfaceName(6) 7 : local(7)	Parent node	lldpRemEntry	First child	None	Description	The type of encoding used to identify the chassis associated with the remote system.
Object name	lldpRemChassisIdSubtype																						
Object ID	1.0.8802.1.1.2.1.4.1.1.4																						
Module	LLDP-MIB																						
Base syntax	Integer																						
Composed syntax	LldpChassisIdSubtype																						
Access	Read-Only																						
Status	Current																						
Value list	1 : chassisComponent(1) 2 : interfaceAlias(2) 3 : portComponent(3) 4 : macAddress(4) 5 : networkAddress(5) 6 : interfaceName(6) 7 : local(7)																						
Parent node	lldpRemEntry																						
First child	None																						
Description	The type of encoding used to identify the chassis associated with the remote system.																						

	<table border="1"> <tr><td>Object name</td><td>lldpRemChassisId</td></tr> <tr><td>Object ID</td><td>1.0.8802.1.1.2.1.4.1.1.5</td></tr> <tr><td>Module</td><td>LLDP-MIB</td></tr> <tr><td>Base syntax</td><td>Octet String</td></tr> <tr><td>Composed syntax</td><td>LldpChassisId</td></tr> <tr><td>Access</td><td>Read-Only</td></tr> <tr><td>Status</td><td>Current</td></tr> <tr><td>Value list</td><td>1 : 1..255</td></tr> <tr><td>Parent node</td><td>lldpRemEntry</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>The string value used to identify the chassis component associated with the remote system.</td></tr> </table>	Object name	lldpRemChassisId	Object ID	1.0.8802.1.1.2.1.4.1.1.5	Module	LLDP-MIB	Base syntax	Octet String	Composed syntax	LldpChassisId	Access	Read-Only	Status	Current	Value list	1 : 1..255	Parent node	lldpRemEntry	First child	None	Description	The string value used to identify the chassis component associated with the remote system.
Object name	lldpRemChassisId																						
Object ID	1.0.8802.1.1.2.1.4.1.1.5																						
Module	LLDP-MIB																						
Base syntax	Octet String																						
Composed syntax	LldpChassisId																						
Access	Read-Only																						
Status	Current																						
Value list	1 : 1..255																						
Parent node	lldpRemEntry																						
First child	None																						
Description	The string value used to identify the chassis component associated with the remote system.																						

	Object name	IldpRemPortIdSubtype
	Object ID	1.0.8802.1.1.2.1.4.1.1.6
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	IldpPortIdSubtype
	Access	Read-Only
	Status	Current
	Value list	1 : interfaceAlias(1) 2 : portComponent(2) 3 : macAddress(3) 4 : networkAddress(4) 5 : interfaceName(5) 6 : agentCircuitId(6) 7 : local(7)
	Parent node	IldpRemEntry
	Description	The type of port identifier encoding used in the associated 'IldpRemPortId' object.

	Object name	IldpRemPortId
	Object ID	1.0.8802.1.1.2.1.4.1.1.7
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	IldpPortId
	Access	Read-Only
	Status	Current
	Value list	1 : 1..255
	Parent node	IldpRemEntry
	Description	The string value used to identify the port component associated with the remote system.

	Object name	IldpRemPortDesc
	Object ID	1.0.8802.1.1.2.1.4.1.1.8
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	SnmpAdminString
	Access	Read-Only
	Status	Current
	Value list	1 : 0..255
	Parent node	IldpRemEntry
	Description	The string value used to identify the description of the given port associated with the remote system.

	Object name	lldpRemSysName
	Object ID	1.0.8802.1.1.2.1.4.1.1.9
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	SnmpAdminString
	Access	Read-Only
	Status	Current
	Value list	1 : 0..255
	Parent node	lldpRemEntry
	First child	None
Description	The string value used to identify the system name of the remote system.	

	Object name	lldpRemSysDesc
	Object ID	1.0.8802.1.1.2.1.4.1.1.10
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	SnmpAdminString
	Access	Read-Only
	Status	Current
	Value list	1 : 0..255
	Parent node	lldpRemEntry
	First child	None
Description	The string value used to identify the system description of the remote system.	

	Object name	lldpRemSysCapSupported
	Object ID	1.0.8802.1.1.2.1.4.1.1.11
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	LldpSystemCapabilitiesMap
	Access	Read-Only
	Status	Current
	Parent node	lldpRemEntry
	First child	None
	Description	The bitmap value used to identify which system capabilities are supported on the remote system.

	Object name	lldpRemSysCapEnabled
	Object ID	1.0.8802.1.1.2.1.4.1.1.12
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	LldpSystemCapabilitiesMap
	Access	Read-Only
	Status	Current
	Parent node	lldpRemEntry
	First child	None
	Description	The bitmap value used to identify which system capabilities are enabled on the remote system.

	Object name	lldpRemManAddrTable
	Object ID	1.0.8802.1.1.2.1.4.2
	Module	LLDP-MIB
	Base syntax	Sequence Of lldpRemManAddrEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:lldpRemManAddrSubtype - Integer 2:lldpRemManAddr - Octet String 3:lldpRemManAddrIfSubtype - Integer 4:lldpRemManAddrIfId - Integer 5:lldpRemManAddrOID - 0
	Parent node	lldpRemoteSystemsData
	First child	lldpRemManAddrEntry
	Description	This table contains one or more rows per management address information on the remote system learned on a particular port contained in the local chassis known to this agent.

	<table border="1"> <tr><td>Object name</td><td>IldpRemManAddrSubtype</td></tr> <tr><td>Object ID</td><td>1.0.8802.1.1.2.1.4.2.1.1</td></tr> <tr><td>Module</td><td>LLDP-MIB</td></tr> <tr><td>Base syntax</td><td>Integer</td></tr> <tr><td>Composed syntax</td><td>AddressFamilyNumbers</td></tr> <tr><td>Access</td><td>Not_Accessible</td></tr> <tr><td>Status</td><td>Current</td></tr> <tr><td>Value list</td><td>1 : other(0) 2 : ipV4(1) 3 : ipV6(2) 4 : nsap(3) 5 : hdlc(4) 6 : bbn1822(5) 7 : all802(6) 8 : e163(7) 9 : e164(8) 10 : t69(9) 11 : x121(10) 12 : ipx(11) 13 : appleTalk(12) 14 : decnetV(13) 15 : banyanVines(14) 16 : e164withNsap(15) 17 : dns(16) 18 : distinguishedName(17) 19 : asNumber(18) 20 : xtpOverIpv4(19) 21 : xtpOverIpv6(20) 22 : xtpNativeModeXTP(21) 23 : fibreChannelWWPN(22) 24 : fibreChannelWWNN(23) 25 : gwid(24) 26 : afi(25) 27 : reserved(65535)</td></tr> <tr><td>Parent node</td><td>IldpRemManAddrEntry</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>The type of management address identifier encoding used in the associated 'IldpRemManagementAddr' object.</td></tr> </table>	Object name	IldpRemManAddrSubtype	Object ID	1.0.8802.1.1.2.1.4.2.1.1	Module	LLDP-MIB	Base syntax	Integer	Composed syntax	AddressFamilyNumbers	Access	Not_Accessible	Status	Current	Value list	1 : other(0) 2 : ipV4(1) 3 : ipV6(2) 4 : nsap(3) 5 : hdlc(4) 6 : bbn1822(5) 7 : all802(6) 8 : e163(7) 9 : e164(8) 10 : t69(9) 11 : x121(10) 12 : ipx(11) 13 : appleTalk(12) 14 : decnetV(13) 15 : banyanVines(14) 16 : e164withNsap(15) 17 : dns(16) 18 : distinguishedName(17) 19 : asNumber(18) 20 : xtpOverIpv4(19) 21 : xtpOverIpv6(20) 22 : xtpNativeModeXTP(21) 23 : fibreChannelWWPN(22) 24 : fibreChannelWWNN(23) 25 : gwid(24) 26 : afi(25) 27 : reserved(65535)	Parent node	IldpRemManAddrEntry	First child	None	Description	The type of management address identifier encoding used in the associated 'IldpRemManagementAddr' object.
Object name	IldpRemManAddrSubtype																						
Object ID	1.0.8802.1.1.2.1.4.2.1.1																						
Module	LLDP-MIB																						
Base syntax	Integer																						
Composed syntax	AddressFamilyNumbers																						
Access	Not_Accessible																						
Status	Current																						
Value list	1 : other(0) 2 : ipV4(1) 3 : ipV6(2) 4 : nsap(3) 5 : hdlc(4) 6 : bbn1822(5) 7 : all802(6) 8 : e163(7) 9 : e164(8) 10 : t69(9) 11 : x121(10) 12 : ipx(11) 13 : appleTalk(12) 14 : decnetV(13) 15 : banyanVines(14) 16 : e164withNsap(15) 17 : dns(16) 18 : distinguishedName(17) 19 : asNumber(18) 20 : xtpOverIpv4(19) 21 : xtpOverIpv6(20) 22 : xtpNativeModeXTP(21) 23 : fibreChannelWWPN(22) 24 : fibreChannelWWNN(23) 25 : gwid(24) 26 : afi(25) 27 : reserved(65535)																						
Parent node	IldpRemManAddrEntry																						
First child	None																						
Description	The type of management address identifier encoding used in the associated 'IldpRemManagementAddr' object.																						

	<table border="1"> <tr><td>Object name</td><td>IldpRemManAddr</td></tr> <tr><td>Object ID</td><td>1.0.8802.1.1.2.1.4.2.1.2</td></tr> <tr><td>Module</td><td>LLDP-MIB</td></tr> <tr><td>Base syntax</td><td>Octet String</td></tr> <tr><td>Composed syntax</td><td>LldpManAddress</td></tr> <tr><td>Access</td><td>Not_Accessible</td></tr> <tr><td>Status</td><td>Current</td></tr> <tr><td>Value list</td><td>1 : 1..31</td></tr> <tr><td>Parent node</td><td>IldpRemManAddrEntry</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>The string value used to identify the management address component associated with the remote system. The purpose of this address is to contact the management entity.</td></tr> </table>	Object name	IldpRemManAddr	Object ID	1.0.8802.1.1.2.1.4.2.1.2	Module	LLDP-MIB	Base syntax	Octet String	Composed syntax	LldpManAddress	Access	Not_Accessible	Status	Current	Value list	1 : 1..31	Parent node	IldpRemManAddrEntry	First child	None	Description	The string value used to identify the management address component associated with the remote system. The purpose of this address is to contact the management entity.
Object name	IldpRemManAddr																						
Object ID	1.0.8802.1.1.2.1.4.2.1.2																						
Module	LLDP-MIB																						
Base syntax	Octet String																						
Composed syntax	LldpManAddress																						
Access	Not_Accessible																						
Status	Current																						
Value list	1 : 1..31																						
Parent node	IldpRemManAddrEntry																						
First child	None																						
Description	The string value used to identify the management address component associated with the remote system. The purpose of this address is to contact the management entity.																						

	Object name	lldpRemManAddrIfSubtype
	Object ID	1.0.8802.1.1.2.1.4.2.1.3
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	LldpManAddrIfSubtype
	Access	Read-Only
	Status	Current
	Value list	1 : unknown(1) 2 : ifIndex(2) 3 : systemPortNumber(3)
	Parent node	lldpRemManAddrEntry
	First child	None
Description	The enumeration value that identifies the interface numbering method used for defining the interface number, associated with the remote system.	

	Object name	lldpRemManAddrIfId
	Object ID	1.0.8802.1.1.2.1.4.2.1.4
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	Integer32
	Access	Read-Only
	Status	Current
	Parent node	lldpRemManAddrEntry
	First child	None
	Description	The integer value used to identify the interface number regarding the management address component associated with the remote system.

	Object name	lldpRemManAddrOID
	Object ID	1.0.8802.1.1.2.1.4.2.1.5
	Module	LLDP-MIB
	Base syntax	Object Identifier
	Composed syntax	OBJECT IDENTIFIER
	Access	Read-Only
	Status	Current
	Parent node	lldpRemManAddrEntry
	First child	None
	Description	The OID value used to identify the type of hardware component or protocol entity associated with the management address advertised by the remote system agent.

	Object name	IldpRemUnknownTLV Table
	Object ID	1.0.8802.1.1.2.1.4.3
	Module	LLDP-MIB
	Base syntax	Sequence Of IldpRemUnknownTLVEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:IldpRemUnknownTLVType - Integer 2:IldpRemUnknownTLVInfo - Octet String
	Parent node	IldpRemoteSystemsData
	First child	IldpRemUnknownTLVEntry
	Description	This table contains information about an incoming TLV which is not recognized by the receiving LLDP agent. The TLV may be from a later version of the basic management set.  This table should only contain TLVs that are found in a single LLDP frame. Entries in this table, associated with an MAC service access point (MSAP, the access point for MAC services provided to the LCC sublayer, defined in IEEE 100, which is also identified with a particular IldpRemLocalPortNum, IldpRemIndex pair) are overwritten with most recently received unrecognized TLV from the same MSAP, or they will naturally age out when the rdinfoTTL timer (associated with the MSAP) expires.

	Object name	IldpRemUnknownTLVType
	Object ID	1.0.8802.1.1.2.1.4.3.1.1
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	Integer32
	Access	Not_Accessible
	Status	Current
	Value list	1 : 9..126
	Parent node	IldpRemUnknownTLVEntry
	Description	This object represents the value extracted from the type field of the TLV.

	Object name	IldpRemUnknownTLVInfo
	Object ID	1.0.8802.1.1.2.1.4.3.1.2
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	OCTET STRING
	Access	Read-Only
	Status	Current
	Value list	1 : 0..511
	Parent node	IldpRemUnknownTLVEntry
	Description	This object represents the value extracted from the value field of the TLV.

	Object name	lldpRemOrgDefInfoTable
	Object ID	1.0.8802.1.1.2.1.4.4
	Module	LLDP-MIB
	Base syntax	Sequence Of IldpRemOrgDefInfoEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:lldpRemOrgDefInfoOUI - Octet String 2:lldpRemOrgDefInfoSubtype - Integer 3:lldpRemOrgDefInfoIndex - Integer 4:lldpRemOrgDefInfo - Octet String
	Parent node	lldpRemotesystemsData
	First child	lldpRemOrgDefInfoEntry
	Description	This table contains one or more rows per physical network connection which advertises the organizationally defined information.  Note that this table contains one or more rows of organizationally defined information that is not recognized by the local agent.  If the local system is capable of recognizing any organizationally defined information, appropriate extension MIBs from the organization should be used for information retrieval.

	Object name	lldpRemOrgDefInfoOUI
	Object ID	1.0.8802.1.1.2.1.4.4.1.1
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	OCTET STRING
	Access	Not_Accessible
	Status	Current
	Value list	1 : 3..3
	Parent node	lldpRemOrgDefInfoEntry
	First child	None
Description	The Organizationally Unique Identifier (OUI), as defined in IEEE Std 802-2001, is a 24 bit (three octets) globally unique assigned number referenced by various standards, of the information received from the remote system.	



	Object name	lldpRemOrgDefInfoSubtype
	Object ID	1.0.8802.1.1.2.1.4.4.1.2
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	Integer32
	Access	Not_Accessible
	Status	Current
	Value list	1 : 1..255
	Parent node	lldpRemOrgDefInfoEntry
	First child	None
Description	<p>The integer value used to identify the subtype of the organizationally defined information received from the remote system.</p> <p>The subtype value is required to identify different instances of organizationally defined information that could not be retrieved without a unique identifier that indicates the particular type of information contained in the information string.</p>	

	Object name	lldpRemOrgDefInfoIndex
	Object ID	1.0.8802.1.1.2.1.4.4.1.3
	Module	LLDP-MIB
	Base syntax	Integer
	Composed syntax	Integer32
	Access	Not_Accessible
	Status	Current
	Value list	1 : 1..2147483647
	Parent node	lldpRemOrgDefInfoEntry
	First child	None
Description	<p>This object represents an arbitrary local integer value used by this agent to identify a particular unrecognized organizationally defined information instance, unique only for the lldpRemOrgDefInfoOUI and lldpRemOrgDefInfoSubtype from the same remote system.</p> <p>An agent is encouraged to assign monotonically increasing index values to new entries, starting with one, after each reboot. It is considered unlikely that the lldpRemOrgDefInfoIndex will wrap between reboots.</p>	

	Object name	lldpRemOrgDefInfo
	Object ID	1.0.8802.1.1.2.1.4.4.1.4
	Module	LLDP-MIB
	Base syntax	Octet String
	Composed syntax	OCTET STRING
	Access	Read-Only
	Status	Current
	Value list	1 : 0..507
	Parent node	lldpRemOrgDefInfoEntry
	First child	None
Description	<p>The string value used to identify the organizationally defined information of the remote system. The encoding for this object should be as defined for SnmpAdminString TC.</p>	