

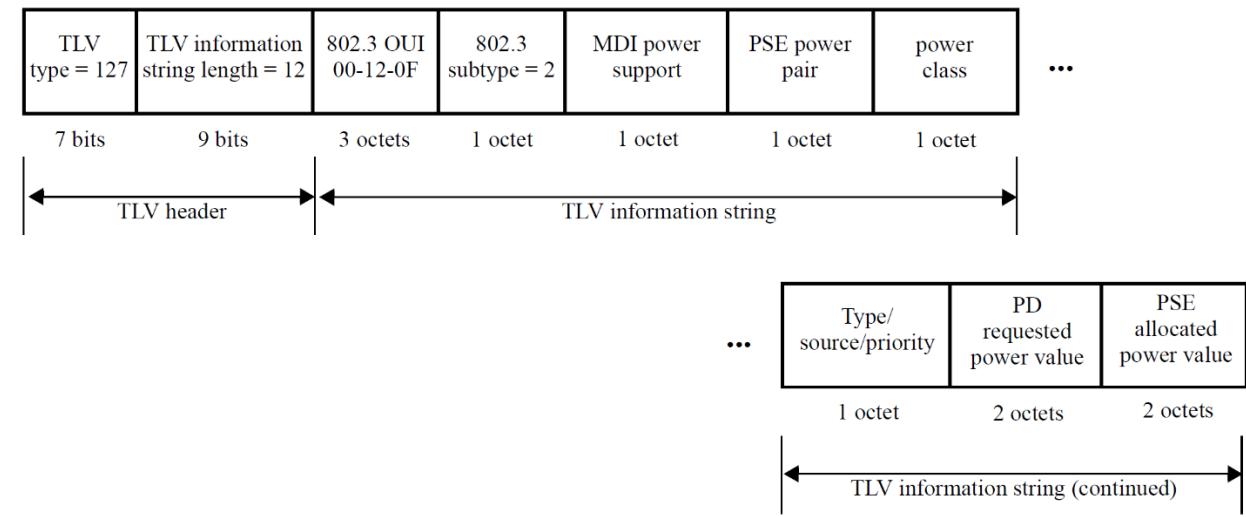
**LLDP Text<sup>1</sup>: Only sections with changes are included.**

## Clause 79

### 79.3.2 Power Via MDI TLV

Clause 33 defines two option power entities: a Powered Device (PD) and Power Sourcing Equipment (PSE). These entities allow devices to draw/supply power over the sample generic cabling as used for data transmission. The Power Via MDI TLV allows network management to advertise and discover the MDI power support capabilities of the sending IEEE 802.3 LAN station. This TLV is also required to perform Data Link Layer classification as defined in 33.6. Figure 79-3 shows the format of this TLV.

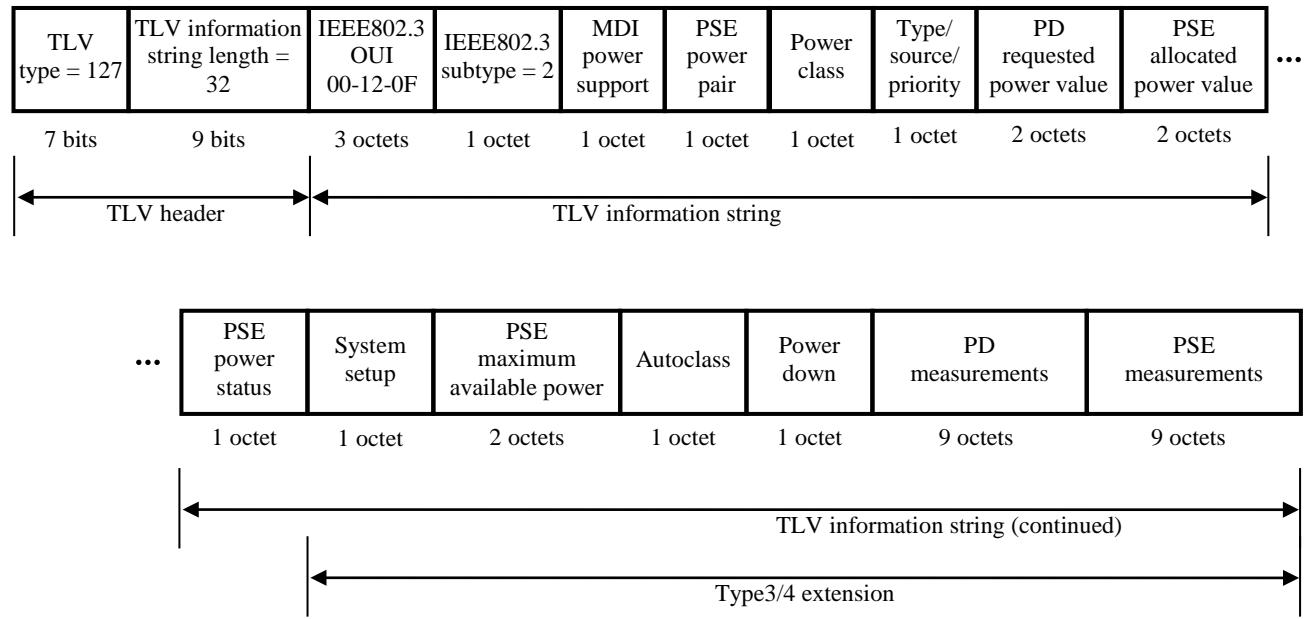
**Restore Figure 79-3 from 802.3-2012, change caption to “Power via MDI TLV format for Type 1 and Type 2”**



**Figure 79-3—Power Via MDI TLV format**

To support also long MDI TLVs a second frame size is defined as shown in Figure 79-3a

<sup>1</sup> Text is directly related to [yseboodt\\_3\\_0915\\_v120.pdf](#)

**Figure 79–3a—Power Via MDI TLV format for Type 3 and Type 4**

### **79.3.2.5a PSE maximum available power**

The PSE maximum available power field shall contain the highest power the PSE can grant as defined in Table 79-5a. The PSE shall set the value of this field taking available power budget and hardware capabilities into account.

**Table 79–5a—PSE Maximum available power value field**

| Bit  | Function                          | Value/meaning  |
|------|-----------------------------------|--|
| 15:0 | PSE Maximum available power value | Power = 0.1 × (decimal value of bits) Watts.<br>Valid values for these bits are decimal 1 through 999. |

### **79.3.2.6c PD measurements**

The PD measured voltage value field may be included to carry the PD's measured voltage value at the port defined in Table 79-6c.

The PD measured current value field may be included to carry the PD's measured current value at the port defined in Table 79-6c.

The PD measured energy value field may be included to carry the PD's measured energy consumption value at the port defined in Table 79-6c.

**Table 79–6c—PD measurements**

| Bit   | Function        | Value/meaning                                     |
|-------|-----------------|---|
| 31:16 | V <sub>PD</sub> | V <sub>PD</sub> = 0.1 × (decimal value of bits) V |

|      |                |  |
|------|----------------|--|
|      |                | <u>Valid values for these bits are decimal 1 through 570</u>   |
| 15:0 | $I_{PORT\_PD}$ | $I_{PORT\_PD} = 0.1 \times (\text{decimal value of bits}) \text{ mA}$<br><u>Valid values for these bits are decimal 1 through 9620</u> |

| <u>Bit</u> | <u>Function</u>            | <u>Value/meaning</u>   |
|------------|----------------------------|--|
| 71         | <u>Voltage support</u>     | <u>1 = PD supports voltage measurement</u><br><u>0 = PD does not support voltage measurement</u>   |
| 70         | <u>Current support</u>     | <u>1 = PD supports current measurement</u><br><u>0 = PD does not support current measurement</u>   |
| 69         | <u>Energy support</u>      | <u>1 = PD supports energy measurement</u><br><u>0 = PD does not support energy measurement</u>   |
| 68:67      | <u>Measurement source</u>  | <u>Determine where the measurement is to be taken.</u><br><u>0 0 = No request</u><br><u>0 1 = Pairset Alternative A</u><br><u>1 0 = Pairset Alternative B</u><br><u>1 1 = Port total</u> |
| 66         | <u>Voltage request</u>     | <u>Request voltage measurement</u><br><u>1 = PSE request for voltage measurement</u><br><u>0 = No request for voltage measurement</u>  |
| 65         | <u>Current request</u>     | <u>Request current measurement</u><br><u>1 = PSE request for current measurement</u><br><u>0 = No request for current measurement</u>  |
| 64         | <u>Energy request</u>      | <u>Request energy measurement</u><br><u>1 = PSE request for energy measurement</u><br><u>0 = No request for energy measurement</u>   |
| 63:48      | <u>Voltage measurement</u> | <u><math>V_{Port\_PD} = (\text{decimal value of bits}) \text{ mV}</math></u><br><u>Valid values for these bits are decimal 1 through 57000</u>   |
| 47:32      | <u>Current measurement</u> | <u><math>I_{Port} \text{ or } I_{Port-2P} = 0.1 \times (\text{decimal value of bits}) \text{ mA}</math></u><br><u>Valid values for these bits are decimal 0 through 20000</u>            |
| 31:0       | <u>Energy measurement</u>  | <u>Total energy consumed at the port or pairset</u><br><u>value = 0.1 x (decimal value of bits) in <math>\text{kJ}^2 \cdot \text{since power on}</math></u>                              |

Measurement values (Voltage measurement, Current measurement and Energy measurement shall be set to 0 in case the corresponding request bit is 0. If a device does not support a particular measurement, the corresponding measurement value shall be set to 0.)

#### 79.3.2.6d PSE measurements

The PSE measured voltage value field may be included to carry the PSE's measured voltage value at the port defined

<sup>2</sup>  $1\text{kJ} = 1\text{kWs}$

in Table 79-6d.

The PSE measured current value field may be included to carry the PSE's measured current value at the port defined in Table 79-6d.

The PSE measured energy value field may be included to carry the PSE's measured energy consumption value at the port defined in Table 79-6d.

**Table 79-6d—PSE measurements**

| <u>Bit</u>   | <u>Function</u>            | <u>Value/meaning</u>  |
|--------------|----------------------------|---|
| <u>31:16</u> | <u>V<sub>PSE</sub></u>     | <u><math>V_{PSE} = 0.1 \times (\text{decimal value of bits}) \text{ V}</math></u><br><u>Valid values for these bits are decimal 1 through 570</u>       |
| <u>15:0</u>  | <u>I<sub>PORT-PD</sub></u> | <u><math>I_{PORT-PD} = 0.1 \times (\text{decimal value of bits}) \text{ mA}</math></u><br><u>Valid values for these bits are decimal 1 through 9620</u> |

| <u>Bit</u>   | <u>Function</u>            | <u>Value/meaning</u>   |
|--------------|----------------------------|--|
| <u>71</u>    | <u>Voltage support</u>     | <u>1 = PSE supports voltage measurement</u><br><u>0 = PSE does not support voltage measurement</u>   |
| <u>70</u>    | <u>Current support</u>     | <u>1 = PSE supports current measurement</u><br><u>0 = PSE does not support current measurement</u>   |
| <u>69</u>    | <u>Energy support</u>      | <u>1 = PSE supports energy measurement</u><br><u>0 = PSE does not support energy measurement</u>   |
| <u>68:67</u> | <u>Measurement source</u>  | <u>Determine where the measurement is to be taken.</u><br><u>0 0 = No request</u><br><u>0 1 = Pairset Alternative A</u><br><u>1 0 = Pairset Alternative B</u><br><u>1 1 = Port total</u> |
| <u>66</u>    | <u>Voltage request</u>     | <u>Request voltage measurement</u><br><u>1 = PD request for voltage measurement</u><br><u>0 = No request for voltage measurement</u>   |
| <u>65</u>    | <u>Current request</u>     | <u>Request current measurement</u><br><u>1 = PD request for current measurement</u><br><u>0 = No request for current measurement</u>   |
| <u>64</u>    | <u>Energy request</u>      | <u>Request energy measurement</u><br><u>1 = PD request for energy measurement</u><br><u>0 = No request for energy measurement</u>  |
| <u>63:48</u> | <u>Voltage measurement</u> | <u><math>V_{PORT-PSE} = (\text{decimal value of bits}) \text{ mV}</math></u><br><u>Valid values for these bits are decimal 1 through 57000</u>   |
| <u>47:32</u> | <u>Current measurement</u> | <u><math>I_{PORT} \text{ or } I_{PORT-2P} = 0.1 \times (\text{decimal value of bits}) \text{ mA}</math></u><br><u>Valid values for these bits are decimal 0 through 20000</u>            |
| <u>31:0</u>  | <u>Energy measurement</u>  | <u>Total energy consumed at the port or pairset</u>  |

|  |  |  |
|--|--|--|
|  |  | <u>value = 0.1 x (decimal value of bits) in kJ<sup>3</sup> since power on.</u> |
|--|--|--|

Measurement values (voltage, current or energy) shall be set to 0 in case the corresponding request bit is 0. If a device does not support a particular measurement, the corresponding measurement value shall be set to 0.

### **79.3.2.6e Autoclass**

The Autoclass field shall contain the bits defined in Table 79-6a to control Autoclass. See 33.2.6.3, 33.3.5.3 and Annex 33-C for details on Autoclass. Using the Autoclass field to trigger a new Autoclass measurement allows a PD to change maximum power consumption.

**Table 79-6e—Autoclass field**

| <u>Bit</u> | <u>Function</u>              | <u>Value/meaning</u>   |
|------------|------------------------------|--|
| <u>7:3</u> | <u>Reserved</u>              | <u>Transmit as zero. Ignore on receive.</u>                              |
| <u>2</u>   | <u>PSE Autoclass support</u> | <u>1 = PSE supports Autoclass<br/>0 = PSE does not support Autoclass</u> |
| <u>1</u>   | <u>Autoclass completed</u>   | <u>1 = Autoclass measurement completed<br/>0 = Autoclass idle</u>        |
| <u>0</u>   | <u>Autoclass request</u>     | <u>1 = PD requests Autoclass measurement<br/>0 = Autoclass idle</u>      |

The sequence of Autoclass as triggered by LLDP is listed in Table 79-f.

**Table 79-6f—Sequence of events for Autoclass triggered via LLDP**

| <u>sequence</u> | <u>Function</u>  |
|-----------------|--|
| <u>1</u>        | <u>PD switches to a mode where maximum power is consumed</u>   |
| <u>2</u>        | <u>PD sends LLDP frame with request_autoclass=1 set</u>  |
| <u>3</u>        | <u>PSE sees the frame with request_autoclass=1 and performs the measurement and budget reduction</u> |
| <u>4</u>        | <u>PSE sends LLDP frame with completed_autoclass=1 set</u>   |
| <u>5</u>        | <u>PD receives LLDP frame with completed_autoclass=1 and sets request_autoclass=0</u>                |
| <u>6</u>        | <u>PSE receives LLDP frame with request_autoclass=0 and sets completed_autoclass=0</u>               |

### **79.3.2.6f Request power down**

<sup>3</sup> 1kJ = 1kWs

The request power down field shall be set as defined in Table 79-6g. This field may be set to value 0xDD by a PD that no longer requires power from the PI.

**Table 79-6g—PD Request power down field**

| <u>Bit</u> | <u>Function</u>   | <u>Value/meaning</u>  |
|------------|-------------------|---|
| <u>7:0</u> | <u>power down</u> | <u>Value = 0xDD triggers a power down.<br/>Any other value is ignored</u> |

#### 79.4.2 IEEE 802.3 Organizationally Specific TLV/LLDP Local and Remote System group managed object class cross references

The cross references between the IEEE 802.3 TLVs and the LLDP Local System Group managed object class (see 30.12.2) attributes are listed in Table 79–9. The cross references between the IEEE 802.3 TLVs and the LLDP Remote System Group managed object class (see 30.12.3) attributes are listed in Table 79–10. The cross-references between the EEE TLV, the EEE Fast Wake TLV, and the EEE local (30.12.2) and remote (30.12.3) object class attributes are listed in Table 79–9 and Table 79–10.

**Table 79–9—IEEE 802.3 Organizationally Specific TLV/LLDP Local System Group managed object class cross references**

| TLV name                     | TLV variable              | LLDP Local System Group managed object class attribute |
|------------------------------|---------------------------|--|
| MAC/PHY Configuration/Status |                           |  |
| Power via MDI                | Port class                | aLldpXdot3LocPowerPortClass                            |
|                              | PSE MDI power support     | aLldpXdot3LocPowerMDISupported                         |
|                              | PSE MDI power state       | aLldpXdot3LocPowerMDIEnabled                           |
|                              | PSE pairs control ability | aLldpXdot3LocPowerPairControlable                      |
|                              | PSE power pair            | aLldpXdot3LocPowerPairs                                |
|                              | Power class               | aLldpXdot3LocPowerClass                                |
|                              | Power type                | aLldpXdot3LocPowerType                                 |
|                              | Power source              | aLldpXdot3LocPowerSource                               |
|                              | Power priority            | aLldpXdot3LocPowerPriority                             |
|                              | PD requested power value  | aLldpXdot3LocPDRequestedPowerValue                     |
|                              | PSE allocated power value | aLldpXdot3LocPSEAllocatedPowerValue                    |
|                              | PSE available power       | aLldpXdot3LocPSEMaxAvailPower                          |
|                              | PSE Autoclass support     | aLldpXdot3LocPSEAutoclassSupport                       |
|                              | Autoclass completed       | aLldpXdot3LocAutoclassCompleted                        |
|                              | Autoclass request         | aLldpXdot3LocAutoclassRequest                          |
|                              | Power down                | aLldpXdot3LocPowerDownRequest                          |
|                              | PD Voltage support        | aLldpXdot3LocPDMeasVoltageSupport                      |
|                              | PD Current support        | aLldpXdot3LocPDMeasCurrentSupport                      |
|                              | PD Energy support         | aLldpXdot3LocPDMeasEnergySupport                       |
|                              | PD Measurement source     | aLldpXdot3LocPDMeasurementSource                       |
|                              | PD Voltage measurement    | aLldpXdot3LocPDMeasurementVoltage                      |
|                              | PD Current measurement    | aLldpXdot3LocPDMeasurementCurrent                      |

|                               |                                |  |
|-------------------------------|--------------------------------|--|
|                               | <u>PD Energy measurement</u>   | <a href="#">aLldpXdot3LocPDMeasurementEnergy</a>   |
|                               | <u>PSE Voltage support</u>     | <a href="#">aLldpXdot3LocPSEMeasVoltageSupport</a> |
|                               | <u>PSE Current support</u>     | <a href="#">aLldpXdot3LocPSEMeasCurrentSupport</a> |
|                               | <u>PSE Energy support</u>      | <a href="#">aLldpXdot3LocPSEMeasEnergySupport</a>  |
|                               | <u>PSE Measurement source</u>  | <a href="#">aLldpXdot3LocPSEMeasurementSource</a>  |
|                               | <u>PSE Voltage measurement</u> | <a href="#">aLldpXdot3LocPSEMeasurementVoltage</a> |
|                               | <u>PSE Current measurement</u> | <a href="#">aLldpXdot3LocPSEMeasurementCurrent</a> |
|                               | <u>PSE Energy measurement</u>  | <a href="#">aLldpXdot3LocPSEMeasurementEnergy</a>  |
| Link Aggregation (deprecated) |                                |  |
| Maximum Frame Size            |                                |  |
| EEE                           |                                |  |
| EEE Fast Wake                 |                                |  |

**Table 79–10—IEEE 802.3 Organizationally Specific TLV/LLDP Remote System Group managed object class cross references**

| TLV name                     | TLV variable                  | LLDP Local System Group managed object class attribute |
|------------------------------|-------------------------------|--|
| MAC/PHY Configuration/Status |                               |  |
| Power via MDI                | Port class                    | <a href="#">aLldpXdot3RemPowerPortClass</a>            |
|                              | PSE MDI power support         | <a href="#">aLldpXdot3RemPowerMDISupported</a>         |
|                              | PSE MDI power state           | <a href="#">aLldpXdot3RemPowerMDIEnabled</a>           |
|                              | PSE pairs control ability     | <a href="#">aLldpXdot3RemPowerPairControlable</a>      |
|                              | PSE power pair                | <a href="#">aLldpXdot3RemPowerPairs</a>                |
|                              | Power class                   | <a href="#">aLldpXdot3RemPowerClass</a>                |
|                              | Power type                    | <a href="#">aLldpXdot3RemPowerType</a>                 |
|                              | Power source                  | <a href="#">aLldpXdot3RemPowerSource</a>               |
|                              | Power priority                | <a href="#">aLldpXdot3RemPowerPriority</a>             |
|                              | PD requested power value      | <a href="#">aLldpXdot3RemPDRequestedPowerValue</a>     |
|                              | PSE allocated power value     | <a href="#">aLldpXdot3RemPSEAllocatedPowerValue</a>    |
|                              | <u>PSE available power</u>    | <a href="#">aLldpXdot3RemPSEMaxAvailPower</a>          |
|                              | <u>PSE Autoclass support</u>  | <a href="#">aLldpXdot3RemPSEAutoclassSupport</a>       |
|                              | <u>Autoclass completed</u>    | <a href="#">aLldpXdot3RemAutoclassCompleted</a>        |
|                              | <u>Autoclass request</u>      | <a href="#">aLldpXdot3RemAutoclassRequest</a>          |
|                              | <u>Power down</u>             | <a href="#">aLldpXdot3RemPowerDownRequest</a>          |
|                              | <u>PD Voltage support</u>     | <a href="#">aLldpXdot3RemPDMeasVoltageSupport</a>      |
|                              | <u>PD Current support</u>     | <a href="#">aLldpXdot3RemPDMeasCurrentSupport</a>      |
|                              | <u>PD Energy support</u>      | <a href="#">aLldpXdot3RemPDMeasEnergySupport</a>       |
|                              | <u>PD Measurement source</u>  | <a href="#">aLldpXdot3RemPDMeasurementSource</a>       |
|                              | <u>PD Voltage measurement</u> | <a href="#">aLldpXdot3RemPDMeasurementVoltage</a>      |
|                              | <u>PD Current measurement</u> | <a href="#">aLldpXdot3RemPDMeasurementCurrent</a>      |
|                              | <u>PD Energy measurement</u>  | <a href="#">aLldpXdot3RemPDMeasurementEnergy</a>       |
|                              | <u>PSE Voltage support</u>    | <a href="#">aLldpXdot3RemPSEMeasVoltageSupport</a>     |
|                              | <u>PSE Current support</u>    | <a href="#">aLldpXdot3RemPSEMeasCurrentSupport</a>     |
|                              | <u>PSE Energy support</u>     | <a href="#">aLldpXdot3RemPSEMeasEnergySupport</a>      |

|                               |                                |   |
|-------------------------------|--------------------------------|---|
|                               | <u>PSE Measurement source</u>  | <u>aLldpXdot3RemPSEMeasurementSource</u>  |
|                               | <u>PSE Voltage measurement</u> | <u>aLldpXdot3RemPSEMeasurementVoltage</u> |
|                               | <u>PSE Current measurement</u> | <u>aLldpXdot3RemPSEMeasurementCurrent</u> |
|                               | <u>PSE Energy measurement</u>  | <u>aLldpXdot3RemPSEMeasurementEnergy</u>  |
| Link Aggregation (deprecated) |                                |   |
| Maximum Frame Size            |                                |   |
| EEE                           |                                |   |
| EEE Fast Wake                 |                                |   |

## Clause 30: Management

*Remove the managed object classes as introduced in Draft 1.2 (Aug. 15) 30.12.2.1.18a, 30.12.2.1.18b, 30.12.2.1.18c, 30.12.2.1.18d to state before BT*

*Insert new managed object classes in local (30.12.2) and in remote (30.12.3). The object class attributes are listed in Table 79–9 and Table 79–10. The detailed definitions to follow:*

### **30.12.2.1.18a aLldpXdot3LocPSEMaxAvailPower**

**BEHAVIOUR DEFINED AS:**

This field This field is encoded according to Table 79–5a, where aLldpXdot3LocPSEMaxAvailPower.:

### **30.12.2.1.18b aLldpXdot3LocPSEAutoclassSupport**

**BEHAVIOUR DEFINED AS:**

This field is encoded according to Table 79–6e, where aLldpXdot3LocPSEAutoclassSupport.:

### **30.12.2.1.18c aLldpXdot3LocAutoclassCompleted**

**BEHAVIOUR DEFINED AS:**

This field is encoded according to Table 79–6e, where aLldpXdot3LocAutoclassCompleted.:

### **30.12.2.1.18d aLldpXdot3LocAutoclassRequest**

**BEHAVIOUR DEFINED AS:**

This field is encoded according to Table 79–6e, where aLldpXdot3LocAutoclassRequest.:

### **30.12.2.1.18e aLldpXdot3LocPowerDownRequest**

**BEHAVIOUR DEFINED AS:**

This field is encoded according to Table 79–6g, where aLldpXdot3LocPowerDownRequest.:

### **30.12.2.1.18f aLldpXdot3LocPDMeasVoltageSupport**

**BEHAVIOUR DEFINED AS:**

This field is encoded according to Table 79–6c, where aLldpXdot3LocPDMeasVoltageSupport.:

### **30.12.2.1.18g aLldpXdot3LocPDMeasCurrentSupport**

**BEHAVIOUR DEFINED AS:**

This field is encoded according to Table 79–6c, where aLldpXdot3LocPDMeasCurrentSupport.:

### **30.12.2.1.18h aLldpXdot3LocPDMeasEnergySupport**

**BEHAVIOUR DEFINED AS:**

This field is encoded according to Table 79–6c, where aLldpXdot3LocPDMeasEnergySupport.:

### **30.12.2.1.18i aLldpXdot3LocPDMeasurementSource**

**BEHAVIOUR DEFINED AS:**

This field is encoded according to Table 79–6c, where aLldpXdot3LocPDMeasurementSource.:

### **30.12.2.1.18j aLldpXdot3LocPDMeasurementVoltage**

**BEHAVIOUR DEFINED AS:**

This field is encoded according to Table 79–6c, where aLldpXdot3LocPDMeasurementVoltage.:

**30.12.2.1.18k aLldpXdot3LocPDMMeasurementCurrent**BEHAVIOUR DEFINED AS:

This field is encoded according to Table 79–6c, where aLldpXdot3LocPDMMeasurementCurrent.;

**30.12.2.1.18l aLldpXdot3LocPDMMeasurementEnergy**BEHAVIOUR DEFINED AS:

This field is encoded according to Table 79–6c, where aLldpXdot3LocPDMMeasurementEnergy.;

**30.12.2.1.18m aLldpXdot3LocPSEMeasVoltageSupport**BEHAVIOUR DEFINED AS:

This field is encoded according to Table 79–6d, where aLldpXdot3LocPSEMeasVoltageSupport.;

**30.12.2.1.18n aLldpXdot3LocPSEMeasCurrentSupport**BEHAVIOUR DEFINED AS:

This field is encoded according to Table 79–6d, where aLldpXdot3LocPSEMeasCurrentSupport.;

**30.12.2.1.18o aLldpXdot3LocPSEMeasEnergySupport**BEHAVIOUR DEFINED AS:

This field is encoded according to Table 79–6d, where aLldpXdot3LocPSEMeasEnergySupport.;

**30.12.2.1.18p aLldpXdot3LocPSEMeasurementSource**BEHAVIOUR DEFINED AS:

This field is encoded according to Table 79–6d, where aLldpXdot3LocPSEMeasurementSource.;

**30.12.2.1.18q aLldpXdot3LocPSEMeasurementVoltage**BEHAVIOUR DEFINED AS:

This field is encoded according to Table 79–6d, where aLldpXdot3LocPSEMeasurementVoltage.;

**30.12.2.1.18r aLldpXdot3LocPSEMeasurementCurrent**BEHAVIOUR DEFINED AS:

This field is encoded according to Table 79–6d, where aLldpXdot3LocPSEMeasurementCurrent.;

**30.12.2.1.18s aLldpXdot3LocPSEMeasurementEnergy**BEHAVIOUR DEFINED AS:

This field is encoded according to Table 79–6d, where aLldpXdot3LocPSEMeasurementEnergy.;

*Remove the managed object classes as introduced in Draft 1.2 (Aug. 15) 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3.1.18c, 30.12.3.1.18d to state before BT*

*Insert new managed object classes as listed below. The detailed definitions to follow:*

**30.12.3.1.18a aLldpXdot3RemPSEMaxAvailPower**BEHAVIOUR DEFINED AS:

The definition and encoding of this field is the same as described in aLldpXdot3LocPSEMaxAvailPower 30.12.2.1.18a.

**30.12.3.1.18b aLldpXdot3RemPSEAutoclassSupport****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPSEAutoclassSupport](#)  
[30.12.2.1.18b.](#)

**30.12.3.1.18c aLldpXdot3RemAutoclassCompleted****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocAutoclassCompleted](#)  
[30.12.2.1.18c.](#)

**30.12.3.1.18d aLldpXdot3RemAutoclassRequest****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocAutoclassRequest](#)  
[30.12.2.1.18d.](#)

**30.12.3.1.18e aLldpXdot3RemPowerDownRequest****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPowerDownRequest](#)  
[30.12.2.1.18e.](#)

**30.12.3.1.18f aLldpXdot3RemPDMeasVoltageSupport****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPDMeasVoltageSupport](#)  
[30.12.2.1.18f.](#)

**30.12.3.1.18g aLldpXdot3RemPDMeasCurrentSupport****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPDMeasCurrentSupport](#)  
[30.12.2.1.18g.](#)

**30.12.3.1.18h aLldpXdot3RemPDMeasEnergySupport****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPDMeasEnergySupport](#)  
[30.12.2.1.18h.](#)

**30.12.3.1.18i aLldpXdot3RemPDMeasurementSource****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPDMeasurementSource](#)  
[30.12.2.1.18i.](#)

**30.12.3.1.18j aLldpXdot3RemPDMeasurementVoltage****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPDMeasurementVoltage](#)  
[30.12.2.1.18j.](#)

**30.12.3.1.18k aLldpXdot3RemPDMeasurementCurrent****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPDMeasurementCurrent](#)  
[30.12.2.1.18k.](#)

**30.12.3.1.18l aLldpXdot3RemPDMMeasurementEnergy****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPDMMeasurementEnergy 30.12.2.1.18l](#).

**30.12.3.1.18m aLldpXdot3RemPSEMeasVoltageSupport****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPSEMeasVoltageSupport 30.12.2.1.18m](#).

**30.12.3.1.18n aLldpXdot3RemPSEMeasCurrentSupport****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPSEMeasCurrentSupport 30.12.2.1.18n](#).

**30.12.3.1.18o aLldpXdot3RemPSEMeasEnergySupport****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPSEMeasEnergySupport 30.12.2.1.18o](#).

**30.12.3.1.18p aLldpXdot3RemPSEMeasurementSource****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPSEMeasurementSource 30.12.2.1.18p](#).

**30.12.3.1.18q aLldpXdot3RemPSEMeasurementVoltage****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPSEMeasurementVoltage 30.12.2.1.18q](#).

**30.12.3.1.18r aLldpXdot3RemPSEMeasurementCurrent****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPSEMeasurementCurrent 30.12.2.1.18r](#).

**30.12.3.1.18s aLldpXdot3RemPSEMeasurementEnergy****BEHAVIOUR DEFINED AS:**

The definition and encoding of this field is the same as described in [aLldpXdot3LocPSEMeasurementEnergy 30.12.2.1.18s](#).