Comment r01-364 (& 370) – OBEs 83, 85, 86, 370, 94

For reference, aPSEPowerClassification was split into 3 versions to support the Type 1/2/SS vs DS-A and DS-B variants.

- Clause 33 and 145 Single-signature: **aPSEPowerClassification**
- Clause 145 Dual-signature Alt A: **aPSEPowerClassificationA**
- Clause 145 Dual-signature Alt B: **aPSEPowerClassificationB**

aLldpXdot3LocPowerClass should be split into **4** versions.

NOTE: aPSEPowerClassification can map to both the aLldpXdot3LocPowerClass and aLldpXdot3LocPowerClassExt variables. When mapping to aLldpXdot3LocPowerClass, (comma) the larger number of enumerations must be mapped to a smaller number; "This attribute will return an enumeration of "class4" for a PD of Class 4 or higher as such PD Classes are identified through the aLldpXdot3RemPowerClassExt attribute."

- Clause 33: **aLldpXdot3LocPowerClass**
- Clause 145 Single-signature: **aLldpXdot3LocPowerClassExt**
- Clause 145 Dual-signature Alt A: **aLldpXdot3LocPowerClassExtA**
- Clause 145 Dual-signature Alt B: **aLldpXdot3LocPowerClassExtB**

This leaves a couple of oddly named definitions stranded. These definitions *were not used anywhere* and should be deleted.

- Delete: **aLldpXdot3LocDualSigPowerClassExtModeA**
- Delete: **aLldpXdot3LocDualSigPowerClassExtModeB**

aLldpXdot3RemPowerClass should also split into 4 versions.

- Clause 33: **aLldpXdot3RemPowerClass**
- Clause 145 Single-signature: **aLldpXdot3RemPowerClassExt**
- Clause 145 Dual-signature Alt A: **aLldpXdot3RemPowerClassExtA**
- Clause 145 Dual-signature Alt B: **aLldpXdot3RemPowerClassExtB**

This leaves a couple of oddly named definitions stranded. These definitions *were not used anywhere* and should be deleted.

- Delete: **aLldpXdot3RemDualSigPowerClassExtModeA**
- Delete: **aLldpXdot3RemDualSigPowerClassExtModeB**

30.12.3.1.10 aLldpXdot3LocPowerClass

ATTRIBUTE

APPROPRIATE SYNTAX:
> An ENUMERATED value list that has the following entries:

class0	Class 0 PD
class1	Class 1 PD
class2	Class 2 PD
class3	Class 3 PD
class4	Class 4 PD

BEHAVIOUR DEFINED AS:
> A read-only value that identifies the PD Class of the detected PD as specified in 33.2.6. For a PSE this attribute contains a value derived from the aPSEPowerClassification attribute (see 30.9.1.1.6), for a PD the contents of this attribute is undefined. This attribute will return an enumeration of "class4" for a PD of Class 4 or higher as such PD Classes are identified through the aLldpXdot3LocPowerClassExt attribute.;

30.12.3.1.18i aLldpXdot3LocPowerClassExtA

ATTRIBUTE

APPROPRIATE SYNTAX:
> An ENUMERATED VALUE that has one of the following entries:

singlesig	Single-signature PD
class1	Class 1 PD
class2	Class 2 PD
class3	Class 3 PD
class4	Class 4 PD
class5	Class 5 PD
pClassPSE PSE	
pClassPD PD	

BEHAVIOUR DEFINED AS:

> A read-only value that identifies the port Class of the given port associated with the local system for Alternative A for a PSE, or for Mode A for a PD.;

> For a dual-signature PD, a read-only value that indicates the requested Class for Mode A during Physical Layer Classification (see 145.3.6). For a single-signature PD, a read-only value set to 'singlesig'.

> For a PSE connected to a dual-signature PD, a read-only value that indicates the currently assigned Class for Mode A (see 145.2.7). For a PSE connected to a single-signature PD, a read-only value set to 'singlesig'.

30.12.3.1.18j aLldpXdot3LocPowerClassExtB

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

singlesig   Single-signature PD
class1   Class 1 PD
class2   Class 2 PD
class3   Class 3 PD
class4   Class 4 PD
class5   Class 5 PD
~~pClassPSE PSE~~
~~pClassPD PD~~

BEHAVIOUR DEFINED AS:

~~A read-only value that identifies the port Class of the given port associated with the local system for Alternative B for a PSE, or for Mode B for a PD.;~~

For a dual-signature PD, a read-only value that indicates the requested Class for Mode B during Physical Layer Classification (see 145.3.6). For a single-signature PD, a read-only value set to 'singlesig'.

For a PSE connected to a dual-signature PD, a read-only value that indicates the currently assigned Class for Mode B (see 145.2.7). For a PSE connected to a single-signature PD, a read-only value set to 'singlesig'.

30.12.3.1.18k aLldpXdot3LocPowerClassExt

ATTRIBUTE

APPROPRIATE SYNTAX:

    An ENUMERATED VALUE that has one of the following entries:

    dualsig   Dual-signature PD
    class0   Class 0 PD
    class1   Class 1 PD
    class2   Class 2 PD
    class3   Class 3 PD
    class4   Class 4 PD
    class5   Class 5 PD
    class6   Class 6 PD
    class7   Class 7 PD
    class8   Class 8 PD

    ~~pClassPSE PSE~~
    ~~pClassPD PD~~

BEHAVIOUR DEFINED AS:

    ~~A read-only value that identifies the port Class of the given port associated with the local system.;~~

    For a single-signature PD, a read-only value that indicates the requested Class during Physical Layer Classification (see 145.3.6). For a dual-signature PD, a read-only value set to 'dualsig'.

    For a PSE connected to a single-signature PD, a read-only value that indicates the currently assigned Class (see 145.2.7). For a PSE connected to a dual-signature PD, a read-only value set to 'dualsig'.

30.12.2.1.18h aLldpXdot3LocDualSigPowerClassExtModeA

ATTRIBUTE
APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

class5   Class 5
class4   Class 4
class3   Class 3
class2   Class 2
class1   Class 1

BEHAVIOUR DEFINED AS:

If the local system is a PD, a read-only value that indicates if it is a single-signature PD, or for a dual-signature PD, the requested Class for Mode A during Physical Layer Classification (see 145.3.6). If the local system is a PSE, a read-only value that indicates if it has detected a single-signature PD, or if it has detected a dual-signature PD, the assigned Class for Alternative A (see 145.2.7).

30.12.2.1.18i aLldpXdot3LocDualSigPowerClassExtModeB

ATTRIBUTE
APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

class5   Class 5
class4   Class 4
class3   Class 3
class2   Class 2
class1   Class 1

BEHAVIOUR DEFINED AS:

If the local system is a PD, a read-only value that indicates if it is a single-signature PD, or for a dual-signature PD, the requested Class for Mode B during Physical Layer Classification (see 145.3.6). If the local system is a PSE, a read-only value that indicates if it has detected a single-signature PD, or if it has detected a dual-signature PD, the assigned Class for Alternative B (see 145.2.7).

Delete related entries from Table 30-7:

aLldpXdot3LocDualSigPowerClassExtModeA	ATTRIBUTE	GET				X								
aLldpXdot3LocDualSigPowerClassExtModeB	ATTRIBUTE	GET			X									

30.12.3.1.10 aLldpXdot3RemPowerClass

ATTRIBUTE

APPROPRIATE SYNTAX:
An ENUMERATED value list that has the following entries:

class0	Class 0 PD
class1	Class 1 PD
class2	Class 2 PD
class3	Class 3 PD
class4	Class 4 PD

BEHAVIOUR DEFINED AS:
A read-only value that identifies the PD Class of the detected PD as specified in 33.2.6 and 145.2.7. on the given port on the remote system. For a PD this attribute contains a value derived from the aPSEPowerClassification attribute (see 30.9.1.1.6) on the given port on the remote system, for a PSE the contents of this attribute is undefined. This attribute will return an enumeration of "class4" for a PD of Class 4 or higher as such PD Classes are identified through the aLldpXdot3RemPowerClassExt attribute.;

30.12.3.1.18i aLldpXdot3RemPowerClassExtA

ATTRIBUTE

APPROPRIATE SYNTAX:
An ENUMERATED VALUE that has one of the following entries:

singlesig	Single-signature PD
class1	Class 1 PD
class2	Class 2 PD
class3	Class 3 PD
class4	Class 4 PD
class5	Class 5 PD
pClassPSE	PSE
pClassPD	PD

BEHAVIOUR DEFINED AS:

A read-only value that identifies the port Class of the given port associated with the remote system for Alternative A for a PSE, or for Mode A for a PD.;

For a dual-signature PD, a read-only value that indicates the currently assigned Class for Mode B by the remote PSE. For a single-signature PD, a read-only value set to 'singlesig' by the remote PSE.

For a PSE connected to a dual-signature PD, a read-only value that indicates the requested Class for Mode B during Physical Layer classification (see 145.2.7) by the remote PD. For a PSE connected to a single-signature PD, a read-only value set to 'singlesig' by the remote PD.

30.12.3.1.18j aLldpXdot3RemPowerClassExtB

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

singlesig   Single-signature PD
class1   Class 1 PD
class2   Class 2 PD
class3   Class 3 PD
class4   Class 4 PD
class5   Class 5 PD
~~pClassPSE PSE~~
~~pClassPD PD~~

BEHAVIOUR DEFINED AS:

~~A read-only value that identifies the port Class of the given port associated with the remote system for Alternative B for a PSE, or for Mode B for a PD.;~~

For a dual-signature PD, a read-only value that indicates the currently assigned Class for Mode B by the remote PSE. For a single-signature PD, a read-only value set to 'singlesig' by the remote PSE.

For a PSE connected to a dual-signature PD, a read-only value that indicates the requested Class for Mode B during Physical Layer classification (see 145.2.7) by the remote PD. For a PSE connected to a single-signature PD, a read-only value set to 'singlesig' by the remote PD.

30.12.3.1.18k aLldpXdot3RemPowerClassExt

ATTRIBUTE

APPROPRIATE SYNTAX:

    An ENUMERATED VALUE that has one of the following entries:

    dualsig   Dual-signature PD
    class0   Class 0 PD
    class1   Class 1 PD
    class2   Class 2 PD
    class3   Class 3 PD
    class4   Class 4 PD
    class5   Class 5 PD
    class6   Class 6 PD
    class7   Class 7 PD
    class8   Class 8 PD

    ~~pClassPSE PSE~~
    ~~pClassPD PD~~

BEHAVIOUR DEFINED AS:

    ~~A read-only value that identifies the port Class of the given port associated with the remote system.;~~

    For a single-signature PD, a read-only value that indicates the currently assigned Class by the remote PSE. For a dual-signature PD, a read-only value set to 'dualsig' by the remote PSE.

    For a PSE connected to a single-signature PD, a read-only value that indicates the requested Class during Physical Layer classification (see 145.2.7) by the remote PD. For a PSE connected to a dual-signature PD, a read-only value set to 'dualsig' by the remote PD.

30.12.2.1.18h aLldpXdot3RemDualSigPowerClassExtModeA

ATTRIBUTE
APPROPRIATE SYNTAX:
      An ENUMERATED VALUE that has one of the following entries:
      class5   Class 5
      class4   Class 4
      class3   Class 3
      class2   Class 2
      class1   Class 1

BEHAVIOUR DEFINED AS:
      If the remote system is a PD, a read-only value that indicates if it is a single-signature PD, or for a dual-signature PD, the requested Class for Mode A during Physical Layer Classification (see 145.3.6). If the remote system is a PSE, a read-only value that indicates if it has detected a single-signature PD, or if it has detected a dual-signature PD, the assigned Class for Alternative A (see 145.2.7).

30.12.2.1.18i aLldpXdot3RemDualSigPowerClassExtModeB

ATTRIBUTE
APPROPRIATE SYNTAX:
      An ENUMERATED VALUE that has one of the following entries:
      class5   Class 5
      class4   Class 4
      class3   Class 3
      class2   Class 2
      class1   Class 1

BEHAVIOUR DEFINED AS:
      If the remote system is a PD, a read-only value that indicates if it is a single-signature PD, or for a dual-signature PD, the requested Class for Mode B during Physical Layer Classification (see 145.3.6). If the remote system is a PSE, a read-only value that indicates if it has detected a single-signature PD, or if it has detected a dual-signature PD, the assigned Class for Alternative B (see 145.2.7).

Delete related entries from Table 30-7:

| aLldpXdot3RemDualSigPowerClassExtModeA | ATTRIBUTE | GET | | | | X | | | | | | | |
| aLldpXdot3RemDualSigPowerClassExtModeB | ATTRIBUTE | GET | | | | X | | | | | | | |