aPSEPowerDetectionStatus was split into 4 versions to allow the differences between Clause 33 and Clause 145 to be easily partitioned.

- Clause 33: **aPSEPowerDetectionStatus**
- Clause 145 Single-signature: **aPSEPowerDetectionStatusS**
- Clause 145 Dual-signature Alt A: **aPSEPowerDetectionStatusA**
- Clause 145 Dual-signature Alt B: **aPSEPowerDetectionStatusB**

Likewise the aPSEPowerClassification results should be defined in the same manner. This also simplifies mapping to the Lldp versions of these variables.

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

aLldpXdot3LocPowerClass should also split into 4 versions.

- 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 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 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:

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.;

30.12.3.1.18j aLldpXdot3LocPowerClassExtB

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

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.;

30.12.3.1.18k aLldpXdot3LocPowerClassExt

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

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.;

~~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:

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.;

30.12.3.1.18j aLldpXdot3RemPowerClassExtB

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

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.;

30.12.3.1.18k aLldpXdot3RemPowerClassExt

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

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.;

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								