

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

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|--|----------------------------------|
| - Clause 33: | aPSEPowerDetectionStatus |
| - Clause 145 Single-signature: | aPSEPowerDetectionStatusS |
| - Clause 145 Dual-signature Alternative A: | aPSEPowerDetectionStatusA |
| - Clause 145 Dual-signature Alternative B: | aPSEPowerDetectionStatusB |

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

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|--|---------------------------------|
| - Clause 33: | aPSEPowerClassification |
| - Clause 145 Single-signature: | aPSEPowerClassificationS |
| - Clause 145 Dual-signature Alternative A: | aPSEPowerClassificationA |
| - Clause 145 Dual-signature Alternative B: | aPSEPowerClassificationB |

30.9.1.1.6 aPSEPowerClassification

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 |

BEHAVIOUR DEFINED AS:

A read-only value that indicates the PD Class of a detected PD as specified in [33.2.6.1](#) and [145.2.7.1](#).

This value is only valid while a PD is being powered, that is the attribute aPSEPowerDetectionStatus reporting the enumeration “deliveringPower”. For Type 1 or Type 2 PSEs, if a [Clause 22](#) MII or [Clause 35](#) GMII is present, then this will map to the PD Class bits specified in 33.5.1.2.10.;

30.9.1.1.6 aPSEPowerClassificationS

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

<u>class0</u>	<u>Class 0 PD</u>
<u>class1</u>	<u>Class 1 PD</u>
<u>class2</u>	<u>Class 2 PD</u>
<u>class3</u>	<u>Class 3 PD</u>
<u>class4</u>	<u>Class 4 PD</u>
<u>class5</u>	<u>Class 5 PD</u>
<u>class6</u>	<u>Class 6 PD</u>
<u>class7</u>	<u>Class 7 PD</u>
<u>class8</u>	<u>Class 8 PD</u>

BEHAVIOUR DEFINED AS:

A read-only value that indicates the PD Class of a detected single-signature PD as specified in 145.2.7.1.

This value is only valid while a PD is being powered, that is the attribute aPSEPowerDetectionStatusS reporting the enumeration “deliveringPower”.

30.9.1.1.6 aPSEPowerClassificationA

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

<u>class1</u>	<u>Class 1 PD</u>
<u>class2</u>	<u>Class 2 PD</u>
<u>class3</u>	<u>Class 3 PD</u>
<u>class4</u>	<u>Class 4 PD</u>
<u>class5</u>	<u>Class 5 PD</u>

BEHAVIOUR DEFINED AS:

A read-only value that indicates the PD Class of a detected dual-signature PD as specified in 145.2.7.1.

This value is only valid while a PD is being powered, that is the attribute aPSEPowerDetectionStatusA reporting the enumeration “deliveringPowerAltA”.

30.9.1.1.6 aPSEPowerClassificationB

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

<u>class1</u>	<u>Class 1 PD</u>
<u>class2</u>	<u>Class 2 PD</u>
<u>class3</u>	<u>Class 3 PD</u>
<u>class4</u>	<u>Class 4 PD</u>
<u>class5</u>	<u>Class 5 PD</u>

BEHAVIOUR DEFINED AS:

A read-only value that indicates the PD Class of a detected dual-signature PD as specified in 145.2.7.1.

This value is only valid while a PD is being powered, that is the attribute aPSEPowerDetectionStatusB reporting the enumeration “deliveringPowerAltB”.