

Comment r01-363 – OBEs none

aPSEPowerDetectionStatus was split into 3 versions to allow the differences between 1/2/SS, DS-A and DS-B to be easily partitioned.

- Clause 33 and Clause 145 Single-signature: **aPSEPowerDetectionStatus**
- 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.

- Clause 33 and Clause 145 Single-signature: **aPSEPowerClassification**
- 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 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”.