aPSEPowerDetectionStatus was split into 4 versions to allow the differences between Clause 33 and Clause 145 to be easily partitioned. The changes were not implemented by the editor.

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

30.9.1.1.5 aPSEPowerDetectionStatus

ATTRIBUTE

APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

disabled	PSE disabled
searching	PSE searching
deliveringPower	PSE delivering power
test	PSE test mode
fault	PSE fault detected
otherFault	PSE implementation specific fault detected

BEHAVIOUR DEFINED AS:

A read-only value that indicates the current status of the PD Detection function specified in 33.2.5 and 145.2.6.

The enumeration "disabled" indicates that the PSE State diagram (Figure 33–9) is in the state DISABLED. The enumeration "deliveringPower" indicates that the PSE State diagram is in the state POWER_ON. The enumeration "fault" indicates that the PSE State diagram is in the state IDLE due to the variable error_condition = true. The enumeration "searching" indicates the PSE State diagram is in a state other than those listed above. For Type 1 or Type 2 PSEs, if a Clause 22 MII or Clause 35 GMII is present, then this will map to the PSE Status bits specified in 33.5.1.2.11.

NOTE—A derivative attribute may wish to apply a delay to the use of the "deliveringPower" enumeration as the PSE state diagram will enter then quickly exit the POWER_ON state if a short-circuit or overcurrent condition is present when power is first applied.;

30.9.1.1.4 aPSEPowerDetectionStatusS

ATTRIBUTE
APPROPRIATE SYNTAX:

An ENUMERATED VALUE that has one of the following entries:

disabled   PSE disabled
searching   PSE searching
deliveringPower   PSE delivering power
fault   PSE fault detected

BEHAVIOUR DEFINED AS:

A read-only value that indicates the current status of the PD Detection function specified in ~~33.2.5 and~~ 145.2.6.

The enumeration "disabled" indicates that the PSE State diagram (Figure 145-13~~33–9~~) is in the state DISABLED. The enumeration "deliveringPower" indicates that the PSE State diagram is in the state POWER_ON, SEMI_PWRON_PRI or SEMI_PWRON_SEC. The enumeration "fault" indicates that the PSE State diagram is in the state IDLE due to the variable error_condition = true. The enumeration "searching" indicates the PSE State diagram is in a state other than those listed above.

NOTE—A derivative attribute may wish to apply a delay to the use of the "deliveringPower" enumeration as the PSE state diagram will enter then quickly exit the POWER_ON state if a short-circuit or overcurrent condition is present when power is first applied.