

Re Comment # 242 - aMPDActualPower

I'm not happy about using 1mW as a special value. Add "Capabilities" attributes to report if the MPSE/MPD can measure power and report 0 if not. Also, it's not clear that "powering" and "powered" refer to defined states. Below I propose changes to address this.

Changed text is in *yellow italics*, new text is in green underline.

Replace

aMPD/MPSEPowerState is not powered/ing.

With

aMPD/MPSEPowerState is not 'powered/ing'.

Change aMPSEActualPower, aMPSEPowerAccuracy and aMPSECumulativeEnergy "BEHAVIOUR DEFINED AS" descriptions as follows:

30.17.2.1.8 aMPSEActualPower

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

An integer value indicating present (actual) power being supplied by the MPSE as measured at the MPI in milliwatts. It reports the 0 if the value of aMPSEPowerState *is not 'powering'*, or if the MPSE does not indicate support for POWER-MEASUREMENT in aMPSECapabilities. The sampling frequency and averaging is vendor-defined.;

30.17.1.1.8 aMPSEPowerAccuracy

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

An integer value indicating the accuracy associated with aMPSEActualPower in milliwatts. It reports 0 if the MPSE does not indicate support for POWER-MEASUREMENT in aMPSECapabilities.;

30.17.1.1.9 aMPSECumulativeEnergy

ATTRIBUTE

APPROPRIATE SYNTAX:

Generalized nonresettable counter.

BEHAVIOUR DEFINED AS:

A count of the cumulative energy supplied by the MPSE as measured at the MDI in kilojoules. It reports 0 if the MPSE does not indicate support for POWER-MEASUREMENT in aMPSECapabilities.;

Add the following:

30.17.2.1.10 aMPSECapabilities

ATTRIBUTE

APPROPRIATE SYNTAX:

A SEQUENCE that meets the requirements of the description below:
POWER-MEASUREMENT MPSE implements power measurement

Change aMPDActualPower, aMPDPowerAccuracy and aMPDCumulativeEnergy “BEHAVIOUR DEFINED AS” descriptions as follows:

30.17.2.1.8 aMPDActualPower

An integer value indicating present (actual) power being supplied to the MPD as measured at the MPI in milliwatts. It reports the value 0 if the value of aMPDPowerState *is not 'powered'*, or if the MPD does not indicate support for POWER-MEASUREMENT in aMPDCapabilities.

The sampling frequency and averaging is vendor-defined.;

30.17.2.1.9 aMPPDPowerAccuracy

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

An integer value indicating the accuracy associated with aMPDActualPower in milliwatts. It reports 0 if the MPD does not indicate support for POWER-MEASUREMENT in aMPDCapabilities.;

30.17.2.1.10 aMPDCumulativeEnergy

ATTRIBUTE

APPROPRIATE SYNTAX:

Generalized nonresettable counter.

BEHAVIOUR DEFINED AS:

A count of the cumulative energy supplied by the MPD as measured at the MDI in kilojoules. It reports 0 if the MPD does not indicate support for POWER-MEASUREMENT in aMPDCapabilities.;

Add the following:

30.17.2.1.11 aMPDCapabilities

ATTRIBUTE

APPROPRIATE SYNTAX:

A SEQUENCE that meets the requirements of the description below:

POWER-MEASUREMENT MPD implements power measurement