Subclause	Existing text in draft 2.4	Proposed text for draft 2.5	Explanation
30.12.2.1.18z4	aLldpXdot3LocMeasVoltageAccuracy	aLldpXdot3LocMeasVoltageUncertainty	From NIST: Because "accuracy" is a qualitative concept, one
			should not use it quantitatively, that is, associate numbers with
			it; numbers should be associated with measures of uncertainty
			instead. Thus one may write "the standard uncertainty is 2 $\mu\Omega$ "
			but not "the accuracy is 2 μΩ." ( <u>https://www.nist.gov/pml/nist-</u>
			tn-1297-appendix-d-clarification-and-additional-guidance)
30.12.2.1.18z4	A GET attribute that indicates the number of	A GET attribute that indicates the <b>expanded</b>	From NIST: In general, the value of the coverage factor k is
	accurate bits in the device's voltage measurement.	uncertainty (coverage factor k = 2) for the	chosen on the basis of the desired level of confidence to be
		device's voltage measurement. See Table 79–	associated with the interval defined by U = kuc . Typically, k is
		7b.	in the range 2 to 3. When the normal distribution applies and
			uc has negligible uncertainty (see subsection 5.4), U = 2uc (i.e.,
			<i>k</i> = 2) defines an interval having a level of confidence of
			approximately 95 percent ( <u>https://www.nist.gov/pml/nist-tn-</u>
			<u>1297-6-expanded-uncertainty</u> )
			Also see the VIM ( <u>http://jcgm.bipm.org/vim/en/2.35.html</u> )
30.12.2.1.18z5	aLldpXdot3LocMeasCurrentAccuracy	aLldpXdot3LocMeasCurrentUncertainty	Same as for voltage.
30.12.2.1.18z5	A GET attribute that indicates the number of	A GET attribute that indicates the <b>expanded</b>	Same as for voltage.
	accurate bits in the device's current measurement.	uncertainty (coverage factor k = 2) for the	
		device's current measurement. See Table 79–	
		7b.	
30.12.2.1.18z6	aLldpXdot3LocMeasPowerAccuracy	aLldpXdot3LocMeasPower <b>Uncertainty</b>	Same as for voltage.
30.12.2.1.18z6	A GET attribute that indicates the number of	A GET attribute that indicates the <b>expanded</b>	Same as for voltage.
	accurate bits in the device's power measurement.	uncertainty (coverage factor k = 2) for the	
		device's power measurement. See Table 79-	
		7b.	
30.12.2.1.18z7	aLldpXdot3LocMeasEnergyAccuracy	aLldpXdot3LocMeasEnergyUncertainty	Same as for voltage.
30.12.2.1.18z7	A GET attribute that indicates the number of	A GET attribute that indicates the <b>expanded</b>	Same as for voltage.
	accurate bits in the device's energy measurement.	uncertainty (coverage factor k = 2) for the	
		device's energy measurement. See Table 79–	
		7b.	
30.12.2.1.18z8	A GET attribute that returns the measured device	A GET attribute that returns the measured	For clarity.
	voltage.	device voltage. See Table 79–7b.	

Subclause	Existing text in draft 2.4	Proposed text for draft 2.5	Explanation
30.12.2.1.18z9	A GET attribute that returns the measured device	A GET attribute that returns the measured	For clarity.
	current.	device current. See Table 79–7b.	
30.12.2.1.18z10	A GET attribute that returns the measured device	A GET attribute that returns the measured	For clarity. Compare with
	power.	device power. See Table 79–7b.	aLldpXdot3LocPDRequestedPowerValue,
			aLldpXdot3LocPSEAllocatedPowerValue, etc.
30.12.2.1.18z11	A GET attribute that returns the measured device	A GET attribute that returns the measured	For clarity.
	energy.	device energy. See Table 79–7b.	
30.12.3.1.18z4	aLldpXdot3RemMeasVoltageAccuracy	aLldpXdot3RemMeasVoltageUncertainty	Same as for local device.
30.12.3.1.18z4	A GET attribute that indicates the number of	A GET attribute that indicates the <b>expanded</b>	Same as for local device.
	accurate bits in the remote device's voltage	uncertainty (coverage factor k = 2) for the	
	measurement.	remote device's voltage measurement.	
30.12.3.1.18z5	aLldpXdot3RemMeasCurrentAccuracy	aLldpXdot3RemMeasCurrentUncertainty	Same as for local device.
30.12.3.1.18z5	A GET attribute that indicates the number of	A GET attribute that indicates the expanded	Same as for local device.
	accurate bits in the remote device's current	uncertainty (coverage factor k = 2) for the	
	measurement.	remote device's current measurement.	
30.12.3.1.18z6	aLldpXdot3RemMeasPowerAccuracy	aLldpXdot3RemMeasPowerUncertainty	Same as for local device.
30.12.3.1.18z6	A GET attribute that indicates the number of	A GET attribute that indicates the expanded	Same as for local device.
	accurate bits in the remote device's power	uncertainty (coverage factor k = 2) for the	
	measurement.	remote device's power measurement.	
30.12.3.1.18z7	aLldpXdot3RemMeasEnergyAccuracy	aLldpXdot3RemMeasEnergyUncertainty	Same as for local device.
30.12.3.1.18z7	A GET attribute that indicates the number of	A GET attribute that indicates the expanded	Same as for local device.
	accurate bits in the remote device's energy	uncertainty (coverage factor k = 2) for the	
	measurement.	remote device's energy measurement.	
30.12.3.1.18z8	A GET attribute that returns the measured remote	A GET attribute that returns the measured	Same as for local device.
	device voltage.	remote device voltage. See Table 79–7b.	
30.12.3.1.18z9	A GET attribute that returns the measured remote	A GET attribute that returns the measured	Same as for local device.
	device current.	remote device current. See Table 79–7b.	
30.12.3.1.18z10	A GET attribute that returns the measured remote	A GET attribute that returns the measured	Same as for local device.
	device power.	remote device power. See Table 79–7b.	
30.12.3.1.18z11	A GET attribute that returns the measured remote	A GET attribute that returns the measured	Same as for local device.
	device energy.	remote device energy. See Table 79–7b.	

Subclause	Existing text in draft 2.4	Proposed text for draft 2.5	Explanation
Table 79–7b	Voltage accuracy	Voltage <b>uncertainty</b>	See related comments.
	Number of useful significant bits in voltage	Expanded uncertainty (coverage factor k = 2)	With 1mV resolution and 12 bits we can express up to +/- 4V
	measurement data field.	for the voltage measurement, expressed in	<mark>of uncertainty.</mark>
	Valid values for these bits are 1 through 16	units of 1 mV.	
		Editor: increase the size of this field to 12 bits and update Figure 79-9	
Table 79–7b	Current accuracy	Current uncertainty	See related comments.
	Number of useful significant bits in current	Expanded uncertainty (coverage factor k = 2)	With 0.1mA resolution and 12 bits we can express up to +/-
	measurement data field.	for the current measurement, expressed in	400mA of uncertainty.
	Valid values for these bits are 1 through 16	units of 0.1 mA.	
		Editor: increase the size of this field to 12 bits	
		and update Figure 79-9	
Table 79–7b	Power accuracy	Power uncertainty	See related comments.
	Number of useful significant bits in the power	Expanded uncertainty (coverage factor k = 2)	With 10mW resolution and 12 bits we can express up to +/-
	measurement data field.	for the power measurement, expressed in	40W of uncertainty.
	Valid values for these bits are 1 through 16	units of 10 mW.	
		Editor: increase the size of this field to 12 bits	
		and update Figure 79-9	
Table 79–7b	Energy accuracy	Energy uncertainty	See related comments.
	Number of useful significant bits in Energy	Expanded uncertainty (coverage factor k = 2)	With 0.1kJ resolution and 16 bits we can express up to +/-
	measurement data field.	for the energy measurement, expressed in	6.5MJ of uncertainty.
	valid values for these bits are 1 through 32	UNITS OF U.1 KJ.	
		Editory increases the size of this field to 40 bits	
		cultor: increase the size of this field to 16 bits	
		una apadle Figure 73-3	

Subclause	Existing text in draft 2.4	Proposed text for draft 2.5	Explanation
Table 79–7b	Voltage measurement	Voltage measurement	For correctness (a bit cannot be 65000).
	VPort_PD-2P expressed in units of 1 mV. When the	VPort_PD-2P expressed in units of 1 mV. When	
	Measurement source is set to 'Port total' this field	the Measurement source is set to 'Port total'	
	contains the measurement of the pairset with the	this field contains the measurement of the	
	highest voltage.	pairset with the highest voltage.	
	Valid values for these bits are 1 through 65000	Valid values are 1 through 65000	
Table 79–7b	Current measurement	Current measurement	For correctness (a bit cannot be 20000).
	IPort or IPort-2P expressed in units of 0.1 mA.	IPort or IPort-2P expressed in units of 0.1 mA.	
	Valid values for these bits are 0 through 20000	Valid values are 0 through 20000	
Table 79–7b	Power measurement	Power measurement	For correctness (a bit cannot be 10000).
	Power sourced or drawn expressed in units of 10	Power sourced or drawn expressed in units of	
	mW.	10 mW.	
	Valid values for these bits are 1 through 10000.	Valid values are 1 through 10000.	