Laboratory Accreditation Programmes

Schedule to

CERTIFICATE OF ACCREDITATION

DELTA Utility Services Limited **Client Number 4859**

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Authorised Representative
Mr Rodney Helm
Value-Added Services Manager

Programme
Metrology & Calibration Laboratory

Accreditation Number 583 **Initial Accreditation Date** 31 October 1995

Conformance Standard
ISO/IEC 17025:2017
General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

5.82	Resistors, Resistance Boxes and Potential Dividers
5.88	Calibrators for Instrumentation
5.89	Indicating Instruments and Recording Instruments
5.91	Frequency Measurement and Time Measurement
5.98	Miscellaneous Electrical Tests
5.99	Electricity Authority EIPC 2010 Class A Test House activities

Key Technical Personnel

Mr Stephen Cook	5.89
Mr Antony Cuthbertson	5.82, 5.88, 5.89, 5.91, 5.98
Mr Godfrey Dube	5.89, 5.99
Mr Wayne Ericsson	5.82, 5.88, 5.89, 5.91, 5.98
Mr Steven Jenkins	5.89, 5.99
Mr Harrison Orme	5.89, 5.99
Mr Alan Michael Woods	5.82, 5.88, 5.89, 5.91, 5.98

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Calibration and Measurement Capabilities (CMC) uncertainties are expressed as an expanded uncertainty corresponding to a level of confidence of 95 % Note1.

Measurement results are traceable to the International System of Units (SI) via an unbroken chain of comparisons to the New Zealand National Standards or to the National Standards of other Signatories to the CIPM MRA.

Calibration temperature 23 °C ± 2 °C in energy meter laboratory and 23 °C ± 5 °C in the general electrical calibration laboratory.

Calibrations are performed at the premises of the accredited laboratory, apart from metering installation measurements which are carried out on site.

Where term ppm is used it refers to *parts per million*, for example µV/V or µΩ/Ω.

5.82 Resistors, Resistance Boxes and Potential Dividers

(a) Precision resistors, resistance boxes and conductance boxes

Refer to 5.89 (i) below using calibrator

Nominal value	CMC Uncertainty
100 KΩ	20 ppm
1 MΩ	35 ppm
10 MΩ	70 ppm
100 MΩ	200 ppm
1 GΩ	0.06 %
10 GΩ	0.06 %
100 GΩ	1.0 %
1 TΩ	2.0 %

5.88 Calibrators for Instrumentation

In accordance with an in-house method based on equipment manufacturer's recommendations

(a) DC voltage	CMC Uncertainty
100 mV	0.0037 % + 0.0035 % of range
1 V	0.0025 % + 0.0007 % of range
10 V	0.0024 % + 0.0005 % of range
100 V	0.0038 % + 0.0006 % of range
1000 V	0.0041 % + 0.001 % of range
0 V to 10 kV	1 % + 1 digit
10 kV to 100 kV	1 % + 1 digit

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(b)	AC voltage		
	100 mV	10 Hz to 20 kHz	0.06 % + 0.04 % of range
		20 kHz to 50 kHz	0.12 % + 0.05 % of range
		50 kHz to 100 kHz	0.6 % + 0.08 % of range
		100 kHz to 300 kHz	4.0 % + 0.50 % of range
	1 V	10 Hz to 20 kHz	0.06 % + 0.03 % of range
		20 kHz to 50 kHz	0.12 % + 0.05 % of range
		50 kHz to 100 kHz	0.6 % + 0.08 % of range
		100 kHz to 300 kHz	4.0 % + 0.50 % of range
	10 V	10 Hz to 20 kHz	0.06 % + 0.03 % of range
		20 kHz to 50 kHz	0.12 % + 0.05 % of range
		50 kHz to 100 kHz	0.6 % + 0.08 % of range
		100 kHz to 300 kHz	4 % + 0.5 % of range
	100 V	10 Hz to 20 kHz	0.06 % + 0.03 % of range
		20 kHz to 50 kHz	0.12 % + 0.05 % of range
		50 kHz to 100 kHz	0.6 % + 0.08 % of range
		100 kHz to 300 kHz	4 % + 0.5 % of range
	1000 V	10 Hz to 20 kHz	0.06 % + 0.022 % of range
		20 kHz to 50 kHz	0.12 % + 0.037 % of range
		50 kHz to 100 kHz	0.6 % + 0.06 % of range
		100 kHz to 300 kHz	4 % + 0.37 % of range
	0 V to 10 kV		1 % + 1 digit
	10 kV to 100 kV		1 % + 1 digit
(c)	DC current		
	100 µA		0.05 % + 0.025 % of range
	1 mA		0.05 % + 0.005 % of range
	10 mA		0.05 % + 0.02 % of range
	100 mA		0.05 % + 0.005 % of range
	400 mA		0.05 % + 0.005 % of range
	1 A		0.05 % + 0.02 % of range
	3 A		0.1 % + 0.02 % of range
	10 A		0.15 % + 0.008 % of range
(d)	AC current		
	100 µA	10 Hz to 5 kHz	0.15 % + 0.06 % of range
		5 kHz to 10 kHz	0.35 % + 0.7 % of range
	1 mA	10 Hz to 5 kHz	0.1 % + 0.04 % of range

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		5 kHz to 10 kHz	0.2 % + 0.25 % of range
	10 mA	10 Hz to 5 kHz	0.15 % + 0.06 % of range
		5 kHz to 10 kHz	0.35 % + 0.7 % of range
	100 mA	10 Hz to 5 kHz	0.1 % + 0.04 % of range
		5 kHz to 10 kHz	0.2 % + 0.25 % of range
	400 mA	10 Hz to 1 kHz	0.1 % + 0.1 % of range
		1 kHz to 10 kHz	0.2 % + 0.7 % of range
	1 A	10 Hz to 5 kHz	0.1 % + 0.04 % of range
		5 kHz to 10 kHz	0.35 % + 0.7 % of range
	3 A	10 Hz to 5 kHz	0.15 % + 0.06 % of range
		5 kHz to 10 kHz	0.35 % + 0.7 % of range
	10 A	10 Hz to 5 kHz	0.15 % + 0.06 % of range
		5 kHz to 10 kHz	0.35 % + 0.7 % of range
(e)	Resistance		
	10 Ω		0.01 % + 0.03 % of range
	100 Ω		0.01 % + 0.004 % of range
	1 kΩ		0.01 % + 0.001 % of range
	10 kΩ		0.01 % + 0.001 % of range
	100 kΩ		0.01 % + 0.001 % of range
	1 MΩ		0.01 % + 0.001 % of range
	10 MΩ		0.04 % + 0.001 % of range
	100 MΩ		0.8 % + 0.01 % of range
	1 GΩ		2.0 % + 0.01 % of range
(g)	Capacitance		
	1 nF		2 % + 2.5 % of range
	10 nF		1 % + 0.5 % of range
	100 nF		1 % + 0.5 % of range
	1 µF		1 % + 0.5 % of range
	10 µF		1 % + 0.5 % of range
	100 µF		1 % + 0.5 % of range
	1 mF		1 % + 0.5 % of range
	10 mF		1 % + 0.5 % of range
	100 mF		4 % + 0.2 % of range
(i)	Other measurement ranges		
	Power factor meters		

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Range -1 to 1	10 Hz to 30 kHz	See formula below

$$Uncertianty(PF) = 100(1 - \frac{cos(cos^{-1}(PF_{set}) + phase\ angle\ uncertianty)}{PF_{set}})$$

Electrical simulation of temperature signal for calibration of resistance temperature device (RTD) calibrators

-200 °C	0.09 °C
-100 °C	0.08 °C
0 °C	0.06 °C
100 °C	0.08 °C
300 °C	0.12 °C
600 °C	0.22 °C

Frequency (over the range 100 mV to 1000 V)

3 Hz to 5 Hz	0.1 %
5 Hz to 10 Hz	0.05 %
10 Hz to 40 Hz	0.03 %
40 Hz to 300 kHz	0.01 %
300 kHz to 1 MHz	0.01 %

5.89 Indicating Instruments and Recording Instruments

In accordance with an in-house method based on equipment manufacturer's recommendations unless stated otherwise

(a)	DC voltmeters		CMC Uncertainty
	0 mV to 330 mV		15 ppm + 0.75 µV
	0.33 V to 3.3 V		8.3 ppm +1.5 µV
	3.3 V to 33 V		9.1 ppm + 15 µV
	30 V to 330 V		13 ppm + 110 µV
	330 V to 1020 V		13 ppm + 1100 µV
(b)	AC voltmeters		
	1.0 mV to 33 mV	10 Hz to 45 Hz	600 ppm + 4.5 µV
		45 Hz to 10 kHz	110 ppm + 4.5 µV
		10 kHz to 20 kHz	150 ppm + 4.5 µV
		20 kHz to 50 kHz	750 ppm + 4.5 µV
		50 kHz to 100 kHz	2600 ppm + 9.1 µV
		100 kHz to 450 kHz	6000 ppm + 37 µV
	33 mV to 330 mV	10 Hz to 45 Hz	220 ppm + 6.0 µV

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		45 Hz to 10 kHz	110 ppm + 6.0 µV
		10 kHz to 20 kHz	120 ppm + 6.0 µV
		20 kHz to 50 kHz	260 ppm + 6.0 µV
		50 kHz to 100 kHz	610 ppm + 24 µV
		100 kHz to 500 kHz	1500 ppm + 53 µV
	0.33 V to 3.3 V	10 Hz to 45 Hz	220 ppm + 37 µV
		45 Hz to 10 kHz	110 ppm + 45 µV
		10 kHz to 20 kHz	140 ppm + 45 µV
		20 kHz to 50 kHz	220 ppm + 37 µV
		50 kHz to 100 kHz	530 ppm + 95 µV
		100 kHz to 450 kHz	1800 ppm + 450 µV
	3.3 V to 33 V	10 Hz to 45 Hz	220 ppm + 490 µV
		45 Hz to 10 kHz	110 ppm + 450 µV
		10 kHz to 20 kHz	180 ppm + 450 µV
		20 kHz to 50 kHz	260 ppm + 450 µV
		50 kHz to 90 kHz	680 ppm + 1200 µV
	33 V to 330 V	45 Hz to 1 kHz	140 ppm + 1500 µV
		1 kHz to 10 kHz	150 ppm + 4500 µV
		10 kHz to 20 kHz	180 ppm + 4500 µV
		20 kHz to 50 kHz	220 ppm + 4500 µV
		50 kHz to 100 kHz	1500 ppm + 3700 µV
	330 V to 1020 V	45 Hz to 1 kHz	220 ppm + 7500 µV
		1 kHz to 5 kHz	180 ppm + 7500 µV
		5 kHz to 8 kHz	220 ppm + 7500 µV
(c)	DC ammeters including clamp-meters		
	0 mA to < 330 µA		110 ppm + 0.015 µA
	0.33 mA to < 3.3 mA		75 ppm+ 0.038 µA
	3.3 mA to < 33 mA		75 ppm + 0.19 µA
	33 mA to < 330 mA		75 ppm + 1.9 µA
	0.33 A to < 1.1 A		150 ppm + 30 µA
	1.1 A to < 3.0 A		280 ppm + 30 µA
	3.0 A to < 11.0 A		370 ppm + 370 µA
	11.0 A to 20.5 A		750 ppm + 560 µA
	Fluke 5500A coil (non-toroidal)		
	10 A to 16.5 A		0.38 % of reading + 0.015 A
	16.5 A to 150 A		0.38 % of reading + 0.10 A
	150 A to 1025 A		0.38 % of reading + 0.38 A
(d)	AC ammeters including clamp-meters		

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0.029 mA to 0.33 mA	10 Hz to 20 Hz	0.15 ppm + 0.076 µA
	20 Hz to 45 Hz	0.11 ppm + 0.076 µA
	45 Hz to 1 kHz	0.095 ppm + 0.076 µA
	1 kHz to 5 kHz	0.22 ppm + 0.11 µA
	5 kHz to 10 kHz	0.60 ppm + 0.15 µA
	10 kHz to 30 kHz	1.2 ppm + 0.30 µA
0.33 mA to 3.3 mA	10 Hz to 20 Hz	0.15 ppm + 0.11 µA
	20 Hz to 45 Hz	0.095 ppm + 0.11 µA
	45 Hz to 1 kHz	0.076 ppm + 0.11 µA
	1 kHz to 5 kHz	0.15 ppm + 0.15 µA
	5 kHz to 10 kHz	0.15 ppm + 0.15 µA
	10 kHz to 30 kHz	0.76 ppm + 0.45 µA
3.3 mA to 33 mA	10 Hz to 20 Hz	0.13 ppm + 1.5 µA
	20 Hz to 45 Hz	0.068 ppm + 1.5 µA
	45 Hz to 1 kHz	0.03 ppm + 1.5 µA
	1 kHz to 5 kHz	0.06 ppm + 1.5 µA
	5 kHz to 10 kHz	0.15 ppm + 2.2 µA
	10 kHz to 30 kHz	0.30 ppm + 3.0 µA
33 mA to 330 mA	10 Hz to 20 Hz	0.13 ppm + 15 µA
	20 Hz to 45 Hz	0.068 ppm + 15 µA
	45 Hz to 1 kHz	0.03 ppm + 15 µA
	1 kHz to 5 kHz	0.076 ppm + 37 µA
	5 kHz to 10 kHz	0.15 ppm + 76 µA
	10 kHz to 30 kHz	0.30 ppm + 150 µA
0.33 A to 1.1 A	10 Hz to 45 Hz	0.13 ppm + 76 µA
	45 Hz to 1 kHz	0.046 ppm + 76 µA
	1 kHz to 5 kHz	0.45 ppm + 760 µA
	5 kHz to 10 kHz	1.9 ppm + 3700 µA
1.1 A to 3.0 A	10 Hz to 45 Hz	0.13 ppm + 76 µA
	45 Hz to 1 kHz	0.046 ppm + 76 µA
	1 kHz to 5 kHz	0.46 ppm + 760 µA
	5 kHz to 10 kHz	1.9 ppm + 3700 µA
3.0 A to 11 A	45 Hz to 100 Hz	0.046 ppm + 1500 µA
	100 Hz to 1 kHz	0.076 ppm + 1500 µA
	1 kHz to 5 kHz	2.2 ppm + 1500 µA
11 A to 20.5 A	45 Hz to 100 Hz	0.091 ppm + 3700 µA
	100 Hz to 1 kHz	0.11 ppm + 3700 µA
	1 kHz to 5 kHz	2.2 ppm + 3700 µA

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Fluke 5500A coil (non-toroidal)

10 A to 16.5 A	45 Hz to 65 Hz	0.42 % of reading + 0.023 A
16.5 A to 150 A	45 Hz to 65 Hz	0.42 % of reading + 0.19 A
150 A to 1025 A	45 Hz to 65 Hz	0.42 % of reading + 0.68 A
10 A to 16.5 A	65 Hz to 440 Hz	0.76 % of reading + 0.023 A
16.5 A to 150 A	65 Hz to 440 Hz	0.76 % of reading + 0.19 A
150 A to 1025 A	65 Hz to 440 Hz	0.76 % of reading + 0.68 A

Fluke 5500A coil (toroidal)

10 A to 16.5 A	45 Hz to 65 Hz	0.21 % of reading + 0.0023 A
16.5 A to 150 A	45 Hz to 65 Hz	0.21 % of reading + 0.019 A
150 A to 1025 A	45 Hz to 65 Hz	0.21 % of reading + 0.068 A
10 A to 16.5 A	65 Hz to 440 Hz	0.58 % of reading + 0.0023 A
16.5 A to 150 A	65 Hz to 440 Hz	0.58 % of reading + 0.20 A
150 A to 1025 A	65 Hz to 440 Hz	0.58 % of reading + 0.076 A

(e) Wattmeters

CMC for power (W and VA) is calculated as the root sum of squares of the uncertainties for the appropriate voltage and current values (and power factor, if applicable).

Voltage limitations: 33 mVac to 1000 Vac, or 0 V to 1000 Vdc.
Current limitations: 3.3 mAac to 11 Aac, or 0 A to 11 Adc.
Auxiliary voltage limitations: 10 mVac to 3.3 Vac, or 0 V to 3.3 Vdc.

The range of direct output is from 108.9 µWac through to 120 kWac, or 108.9 µWdc through to 100 kWdc, and from 108.9 µVAac through to 120 kVAac, or 108.9 µVAdc through to 100 kVAdc.

Power can be simulated over greater ranges for equipment incorporating current clamps or current transformers. (Maximum output available for the voltage input is 1000 V, and maximum output available for the “current” input is 20 A or 3.3 V).

(f) Varmeters

CMC for reactive power (VAr) is calculated as the root sum of squares of the uncertainties for the appropriate voltage, current, and power factor values.

Voltage and current limitations apply as for Wattmeters above.

(g) Phase angle indicators

0° to 179.98°	10 Hz to 65 Hz	0.076°
	65 Hz to 500 Hz	0.19°

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		500 Hz to 1 kHz	0.38°
		1 kHz to 5 kHz	1.9°
		5 kHz to 10 kHz	3.8°
		10 kHz to 30 kHz	7.6°

(i) Ohmmeters and Resistors

0 Ω to 11 Ω	30 ppm + 0.76 mΩ
11 Ω to 33 Ω	22 ppm + 1.1 mΩ
33 Ω to 110 Ω	21 ppm + 1.0 mΩ
110 Ω to 330 Ω	21 ppm + 1.5 mΩ
330 Ω to 1.1 kΩ	21 ppm + 1.5 mΩ
1.1 kΩ to 3.3 kΩ	21 ppm + 1.5 mΩ
3.3 kΩ to 11 kΩ	21 ppm + 1.5 mΩ
11 kΩ to 33 kΩ	21 ppm + 0.15 Ω
33 kΩ to 110 kΩ	21 ppm + 0.15 Ω
110 kΩ to 330 kΩ	24 ppm + 1.5 Ω
330 kΩ to 1.1 MΩ	24 ppm + 1.5 Ω
1.1 MΩ to 3.3 MΩ	45 ppm + 22 Ω
3.3 MΩ to 11 MΩ	98 ppm + 38 Ω
11 MΩ to 33 MΩ	190 ppm + 1.9 kΩ
33 MΩ to 110 MΩ	380 ppm + 2.2 kΩ
110 MΩ to 330 MΩ	2200 ppm + 7.5 kΩ
330 MΩ to 1100 MΩ	11000 ppm + 379 kΩ

(j) LCR meters

Capacitance meters and Capacitors

	Frequency range	
220 pF to 400 pF	10 Hz to 10 kHz	0.38 % + 7.6 pF
0.4 nF to 1.1 nF	0 Hz to 10 kHz	0.38 % + 7.6 pF
1.1 nF to 3.3 nF	10 Hz to 3 kHz	0.38 % + 7.6 pF
3.3 nF to 11 nF	10 Hz to 1 kHz	0.19 % + 7.6 pF
11 nF to 33 nF	10 Hz to 1 kHz	0.19 % + 7.6 pF
33 nF to 110 nF	10 Hz to 1 kHz	0.19 % + 7.6 pF
110 nF to 330 nF	10 Hz to 1 kHz	0.19 % + 0.03 nF
0.33 µF to 1.1 µF	10 Hz to 600 Hz	0.19 % + 0.76 nF
1.1 µF to 3.3 µF	10 Hz to 300 Hz	0.19 % + 2.2 nF
3.3 µF to 11 µF	10 Hz to 150 Hz	0.19 % + 7.6 nF
11 µF to 33 µF	10 Hz to 120 Hz	0.30 % + 22 nF
33 µF to 110 µF	10 Hz to 80 Hz	0.34 % + 76 nF
110 µF to 330 µF	0 Hz to 50 Hz	0.34 % + 220 nF
330 µF to 1.1 mF	0 Hz to 20 Hz	0.34 % + 0.76 µF
1.1 mF to 3.3 mF	0 Hz to 6 Hz	0.34 % + 2.2 µF
3.3 mF to 11 mF	0 Hz to 2 Hz	0.34 % + 7.6 µF
11 mF to 33 mF	0 Hz to 0.6 Hz	0.57 % + 22 µF

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33 mF to 110 mF	0 Hz to 0.2 Hz	0.84 % + 76 µF

(l) Energy meters

Calibration of single and multiple phase energy meters to the accuracy requirements of classes 0.2, 0.5, 1.0 and 2.0 as defined in IEC 61036, 60687, 60521 (or 62053 22, 62053-21 and 62053-11) in accordance with in-house methods and EIPC 2010 Part 10 Metering

Active Meters (units Wh/Vah)

Power factor (PF)	
1.0	0.050 %
0.5 lag	0.061 %
0.8 lead	0.051 %

(q) Other specified devices

Voltage simulation of temperature by simulated thermocouple output and thermocouple measurement.

Thermocouple Type		
B	600 °C to 800 °C	0.33 °C
	800 °C to 1000 °C	0.25 °C
	1000 °C to 1550 °C	0.22 °C
	1550 °C to 1820 °C	0.25 °C
C	0 °C to 150 °C	0.22 °C
	150 °C to 650 °C	0.19 °C
	650 °C to 1000 °C	0.23 °C
	1000 °C to 1800 °C	0.38 °C
	1800 °C to 2316 °C	0.64 °C
E	-250 °C to -100 °C	0.38 °C
	-100 °C to -25 °C	0.12 °C
	-25 °C to -350 °C	0.10 °C
	350 °C to 650 °C	0.12 °C
	650 °C to 1000 °C	0.15 °C
J	-210 °C to -100 °C	0.20 °C
	-100 °C to -30 °C	0.12 °C
	-30 °C to 150 °C	0.10 °C
	150 °C to 760 °C	0.12 °C
	760 °C to 1200 °C	0.17 °C
K	-200 °C to -100 °C	0.25 °C
	-100 °C to -25 °C	0.13 °C

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		-25 °C to 120 °C	0.12 °C
		120 °C to 1000 °C	0.19 °C
		1000 °C to 1372 °C	0.30 °C
	N	-200 °C to -100 °C	0.30 °C
		-100 °C to -25 °C	0.16 °C
		-25 °C to 120 °C	0.14 °C
		120 °C to 410 °C	0.13 °C
		410 °C to 1300 °C	0.20 °C
	R	0 °C to 250 °C	0.43 °C
		250 °C to 400 °C	0.26 °C
		400 °C to 1000 °C	0.25 °C
		1000 °C to 1767 °C	0.30 °C
	S	0 °C to 250 °C	0.35 °C
		250 °C to 1000 °C	0.27 °C
		400 °C to 1400 °C	0.28 °C
		1400 °C to 1767 °C	0.34 °C
	T	-250 °C to -150 °C	0.47 °C
		-150 °C to 0 °C	0.18 °C
		0 °C to 120 °C	0.12 °C
		120 °C to 400 °C	0.10 °C

5.91 Frequency Measurement and Time Measurement

In accordance with an in-house method based on equipment manufacturer's recommendations

(a)	Frequency meters	CMC Uncertainty
	0.01 Hz to 120 Hz	1.9 ppm + 3.8 µHz
	120 Hz to 1200 Hz	1.9 ppm + 3.8 µHz
	1.2 kHz to 12 kHz	1.9 ppm + 3.8 µHz
	12 kHz to 120 kHz	1.9 ppm + 3.8 µHz
	120 kHz to 1200 kHz	1.9 ppm + 3.8 µHz
	1.2 MHz to 2 MHz	1.9 ppm + 3.8 µHz

5.98 Miscellaneous Electrical Tests

(a) Insulating gloves and tools
(b) High voltage operating equipment
(c) Insulated platform vehicles
(e) Other tests

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In service checks on insulating protective equipment including gloves, sleeves, mats, blankets, poles, jumper leads, platform buckets and other types of miscellaneous equipment in accordance with specifications such as:

- ASTM D120, D1048, D1049, D1050, D1051, F116, F478, F479, F496, F711, F712, F2412-11
- EEA Dec 2004
- EN 50321:2018
- IEC 60061-1:2010 Sections 1, 2, 3, 4 and 6 Tests with AC Voltage

5.99 Electricity Authority EIPC 2010 Class A Test House activities

(a) Metering installation certification in accordance with Part 10 clause 10.11

Certification of metering installations of Categories 1, 2, 3, 4, and 5

(b) Calibration of single and multiple phase energy meters to the accuracy requirements of classes 0.2, 0.5, 1.0 and 2.0 as defined in IEC 61036, 60687, 60521 (or 62053-22, 62053-21 and 62053-11) in accordance with in-house methods and EIPC 2010 Part 10 Metering. Refer to 5.89 (l) above for CMCs

Note 1:
Unless stated otherwise the CMC Uncertainty is based on the performance of the best available device and measurement uncertainties achieved for specific calibrations may be greater than the CMC Uncertainty. A laboratory may not report measurement uncertainties lower than its CMC Uncertainty. However, if the device under calibration has a greater accuracy than the device used to calculate the CMC Uncertainty, the laboratory may be able to use the calibration data to lower its CMC Uncertainty. Please contact the laboratory to discuss your specific requirements.

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