Laboratory Accreditation Programmes

Schedule to

CERTIFICATE OF ACCREDITATION

EDMI NZ Limited **Client Number 6848**

Level 1, 181 Wakefield Street, Te Aro, Wellington, 6011

Telephone **04 801-4700** **www.edmi-meters.com**

Authorised Representative
Mr Clint Meech
Operations Manager

Programme
Metrology & Calibration Laboratory

Accreditation Number 754 **Initial Accreditation Date** 11 October 2000

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

Laboratory Services Summary

5.89	Indicating Instruments and Recording Instruments
5.99	Electricity Authority EIPC 2010 Class A Test House activities

Key Technical Personnel

Mr Adam Harvey	5.89, 5.99
Mr Kedalabo Rentta	5.89, 5.99

IANZ; Building 7, Central Park, 660-670 Great South Road, Ellerslie, Auckland 1051
Private Bag 28908, Remuera, Auckland 1541
Tel 09-525 6655 info@ianz.govt.nz ***ianz.govt.nz***

Calibration and Measurement Capabilities (CMC) 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.

Unless stated elsewhere in this schedule, calibrations are performed at the premises of the accredited laboratory.

5.89 Indicating Instruments and Recording Instruments

(l) Energy meters

Calibration of multiple phase energy meters to the accuracy requirements of classes 0.2, 0.5, 1.0 and 2.0 as defined in IEC 62052-11, 62053-21, 22, 23 in accordance with in-house methods.

For nominal voltages 63.5 V, 110 V, 230 V and 240 V and current range 50 mA to 100 A

Active Meters (Wh)

PF	CMC Uncertainty
1.0 (0°)	0.042 %
0.5 lag (60°)	0.083 %
0.5 lead (-60°)	0.083 %
0.8 lag (36.87°)	0.052 %
0.8 lead (-36.87°)	0.052 %
-1.0 (180°)	0.050 %

Reactive Meters (varh)

QF	CMC Uncertainty
1.0 (90°)	0.062 %
0.6 lead (-36.87°)	0.104 %
0.6 lag (36.87°)	0.104 %
0.8 lead (-60°)	0.077 %

5.99 Electricity Authority EIPC 2010 Class A Test House activities

(b) Other activities

Calibration of multiple phase energy meters to the accuracy requirements of classes 0.2, 0.5, 1.0 and 2.0 in accordance with EIPC 2010 Part 10 Metering. CMC uncertainties as per 5.89 (l).

Note 1:
Unless stated otherwise the CMC 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

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not report measurement uncertainties lower than its CMC. However, if the device under calibration has a greater accuracy than the device used to calculate the CMC 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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