Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

# Cancellation

# Certificate of Approval

# No 14/2/38

Issued by the Chief Metrologist under Regulation 60
of the
*National Measurement Regulations 1999*

This is to certify that an approval for use for trade has been granted in respect of the

EDMI Model Atlas MK10E Electricity Meter

submitted by EDMI Pty Ltd
162 South Pine Road
BRENDALE QLD 4500.

has been cancelled in respect of new instruments as from 1 December 2008.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

Darryl Hines

Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

# Certificate of Approval

# No 14/2/38

Issued by the Chief Metrologist under Regulation 60
of the
*National Measurement Regulations 1999*

This is to certify that an approval for use for trade has been granted in respect of the

EDMI Model Atlas MK10E Electricity Meter

submitted by EDMI Pty Ltd
162 South Pine Road
BRENDALE QLD 4500.

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI M 6, *Pattern Approval and Initial Verification of Electricity Meter and Associated Transformers: Definitions, Metrological and Technical Requirements*, July 2004.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 April 2014, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number ‘NMI 14/2/38’ and only by persons authorised by the submittor.

It is the submittor’s responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

…./2

The National Measurement Institute reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

DESCRIPTIVE ADVICE

**Pattern:** approved 26 March 2009

- An EDMI model Atlas MK10E electronic polyphase Class 0.5 or 1.0 current transformer (CT) connected static watt hour meter used to measure electrical energy.

Technical Schedule No 14/2/38 describes the pattern.

**Variant:** approved 25 November 2009

1. Model Atlas MK10E electronic polyphase Class 1.0 direct connect meter.

Technical Schedule No 14/2/38 Variation No 1 describes variant 1.

FILING ADVICE

Certificate of Approval No 14/2/38 dated 8 October 2009 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 14/2/38 dated 15 April 2010
Technical Schedule No 14/2/38 dated 8 October 2009 (incl. Test Procedure)
Technical Schedule No 14/2/30 Variation No 1 dated 15 April 2010 ((incl. Notification of Change)
Figure 1 dated 8 October 2009
Figure 2 dated 15 April 2010

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the *National Measurement Regulations 1999*.

TECHNICAL SCHEDULE No 14/2/38

VARIATION No 1

**Pattern:** EDMI Model Atlas MK10E Electricity Meter

**Submittor:** EDMI Pty Ltd
162 South Pine Road
BRENDALE QLD 4500

## 1. Description of Variant 1

The model Atlas MK10E electronic polyphase Class 1 direct connect meter (Figure 2).

### 1.1 Field of Operation

- Number of phases 3
- Number of wires 4
- Reference frequency 50 Hz
- Reference ambient temperature ranges:
  - specified range of operation -10 to 60°C
  - limit range of operation -40 to 70°C
- Rated voltage 3 × 57/240 V AC
- Rated currents: Basic current, $I_b$ 5 A
  Maximum current, $I_{max}$ 100 A
- Accuracy index 1.0

### 1.2 Features/Functions

This meter has the same features as described for the pattern in clause **1.2 Features/Functions** in Technical Schedule 14/2/38 dated 8 October 2009, except as follows:

- Active energy measurement (Class 1.0).

NOTIFICATION OF CHANGE

In Technical Schedule No 14/2/38 dated 8 October 2009, the TEST PROCEDURE should be amended to now read:

"TEST PROCEDURE

Instruments tested for verification shall comply with the certificate of approval and technical schedule, and the maximum permissible errors for verifications at the operating conditions in effect at the time of verification.

**TESTS**

1. AC Voltage Test
2. Running With No Load
3. Starting
4. Accuracy"

FIGURE 14/2/38 – 2


EDMI Model Atlas MK10E Direct Connect Electricity Meter