Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 14/2/44
Change No 1

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

The following changes are made to the approval documentation for the

PRI Model Premier 200 P3T5B0 Class 0.5 Electricity Meter

submitted by Secure Australasia Pty Ltd
(formerly PRI Australasia Pty Ltd)
258 Darebin Road
Fairfield VIC 3078.

A. In Certificate of Approval No 14/2/44 dated 16 December 2009;

1. The DESCRIPTIVE ADVICE should be amended by adding the following to the description of the pattern:

"May also be known as 'Secure' instruments of the same model."

2. The FILING ADVICE should be amended by adding the following:

"Notification of Change No 1 dated 12 July 2009

B. In Certificate of Approval No 14/2/44 and its Technical Schedule both dated 16 December 2009, all references to the name of the submittor should be amended to read:

"Secure Australasia Pty Ltd"

C. In Technical Schedule No 14/2/44 dated 16 December 2009;

1. Clause **1. Description of Pattern** should be amended by adding the following:

"May also be known as 'Secure' instruments of the same model."

…../2

2. The text for the TEST PROCEDURE should be replaced by the following:

"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"

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

Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 14/2/44

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

PRI Model Premier 200 P3T5B0 Class 0.5 Electricity Meter

submitted by PRI Australasia Pty Ltd
258 Darebin Road
FAIRFIELD VIC 3078.

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 October 2014, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number ‘NMI 14/2/44’ 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 11 September 2009

- A PRI model Premier 200 P3T5B0 electronic polyphase Class 0.5 current transformer (CT) operated watt hour meter used to measure electrical energy.

Technical Schedule No 14/2/44 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 14/2/44 dated 16 December 2009
Technical Schedule No 14/2/44 dated 16 December 2009 (incl. Test Procedure)
Figure 1 dated 16 December 2009

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 14/2/44

Pattern: PRI Model Premier 200 P3T5B0 Class 0.5 Electricity Meter

Submittor: PRI Australasia Pty Ltd
258 Darebin Road
FAIRFIELD VIC 3078

1. Description of Pattern

A PRI model Premier 200 P3T5B0 electronic polyphase Class 0.5 current transformer (CT) operated watt hour meter (Figure 1) used to measure electrical energy.

1.1 Field of Operation

The field of operation of the measuring system is determined by the following characteristics:

- 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 -20 to 70°C
- Rated voltage 240 V AC
- Rated currents: Basic current, I_n 5 A
  Maximum current, I_{max} 15 A
- Accuracy index 0.5

1.2 Features/Functions

- Three (3) elements.
- Electronic (LCD) digital indicator.
- Active energy measurement (Class 0.5).
- 2A integrated load control relay.
- SMA connector for external antenna.
- AMI communications options including Mesh Radio.
- Bottom connect type base

1.3 Verification/Certification

Provision is made for the application of a verification/certification mark.

1.4 Sealing Provision

Provision is made for the calibration adjustments to be sealed by the application of one or more mechanical seals (Figure 1).

1.5 Descriptive Markings

Instruments are marked with the following data, together in one location, in the form shown at right:

Manufacturer's name or mark	...
Model designation	...
Serial number	...
Pattern approval mark	NMI 14/2/44
Number of phases	...
Number or wires	...
Reference frequency	... Hz
Temperature limits (if other than -10 to 60°C)	... to ...°C (*)
Meter constant	...
Rated voltage	... AC
Rated currents:	I_n ... A
	I_{max} ... A
Accuracy index	Class 1

(*) Optional marking.

TEST PROCEDURE

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

TESTS

1. AC Voltage Test - at initial verification only.
2. Running With No Load - at subsequent verifications/certifications.
3. Starting.
4. Accuracy.

FIGURE 14/2/44 – 1

PRI Model Premier 200 P3T5B0 Class 0.5 Electricity Meter
(including typical sealing)