Australian Government
Department of Industry and Science

National Measurement Institute

# Interim Provisional Supplementary Certificate of Approval NMI PS656

**VALID FOR VERIFICATION PURPOSES UNTIL 7 MARCH 2016**

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 instruments herein described.

AMCCIT Model iZENPOS Point of Sale (POS) System

submitted by Australis Microcomputer
T/A AMC Convergent IT
Unit 237/416 St Kilda Road
Melbourne VIC 3004

**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.

DOCUMENT HISTORY

| Rev | Reason/Details | Date |
|---|---|---|
| 0 | Pattern provisionally approved – interim certificate issued | 7/02/14 |
| 1 | Pattern amended (validity date) – interim certificate issued | 23/04/15 |
| 2 | Pattern amended (validity date) – interim certificate issued | 17/09/15 |

CONDITIONS OF APPROVAL

**General**

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI PS656' 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.

**Special**

Certain aspects of this instrument (in particular transaction record printing formats) are able to be configured by the user. Whilst NMI believes that acceptable formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

**Special Conditions of Approval: (Provisional Approval)**

The locations or serial numbers of instruments may be obtained from the National Measurement Institute. The submittor shall advise NMI in writing of the proposed location or serial number of each instrument prior to it being initially verified.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI PS656' and only by persons authorised by the submittor. (Note: The 'P' in the approval number may be a temporary marking.)

The approval will remain provisional pending completion of satisfactory testing and evaluation.

In the event of unsatisfactory performance the approval may be cancelled (or altered).

The submittor shall implement such modifications as required by NMI. In the event that such modifications (if any are required by NMI) are not made to the satisfaction of NMI, this approval may be withdrawn.

## 1. Description of Pattern provisionally approved on 7/02/14

An AMCCIT model iZENPOS system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments granted with reference to document NMI M7.

### 1.1 Key Features

- The system provides point of sale arrangements for a CAS model PD-II self-indicating non-automatic weighing instrument (approval NMI 6/4C/237) or other compatible (#) NMI-approved measuring instruments.
- The system receives measurement data from the output interface of the approved measuring instrument and computes prices using a product look up (PLU) facility.
- The system computes total price for multiple items including non-measured items and is approved for use for transactions direct to the public.
- Manually entered measurement data shall be indicated as such on a printed transaction record.

(#) 'Compatible' is defined to mean that no additions/changes to the hardware/software specified in this approval are required for satisfactory operation of the system.

- The system is able to apply a preset tare value up to the maximum capacity of the approved measuring instrument. Preset tare values may be keyboard-entered or stored (e.g. within a PLU facility).
- The POS controllers may be connected in a network to share common PLU data, for totalisation, and to accumulate and retrieve management information.

(#) 'Compatible' is defined to mean that no additions/changes to the hardware/software specified in this approval are required for satisfactory operation of the system.

## 1.2 System Description

The AMCCIT model iZENPOS point of sale (POS) system comprises:

### (i) POS Controller

The AMCCIT model iZENPOS POS controller comprises a J2 Retail Systems model 680 or equivalent (*) PC-based device that operates a Microsoft Windows-based operating system running iZENPOS version 1.W1.xxx. The software version number is displayed to the left of the 'Log out' button at the bottom of the operator screen and also at the bottom of the operator Login screen.

### (ii) Electronic Indications

Indications shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*.

The J2 Retail Systems model 680 has an integral touch sensitive display to provide an indication for the operator.

An LG model L1742TE-PF or Acer model V193 computer monitor or equivalent (*) is connected to the controller and provides an indication for the customer.

Information additional to that required by document NMI M7, including totalisation details and product images, may also be indicated.

### (iii) Printing Devices

Transaction records shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*. A J2 Retail Systems model BTP2002NP printer or equivalent (*) is connected to the controller to provide transaction record printing facility.

Labels shall satisfy the requirements of document NMI M7. A Samsung model SRP770 printer or equivalent (*) may also be connected to the controller to provide label printing facility.

(*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

### (iv) Additional System Facilities

In addition, the system may include other facilities including point of sale cash drawers, magnetic card and/or barcode reader and electronic funds transfer (EFT), etc. The facilities shall not interact with the system in a way that would cause an incorrect indication of the measured quantity or price.

### 1.3 Family of Devices

### (i) Alternative POS Controllers

An alternative POS controller comprises an Apple model iPad or equivalent (*) device that operates an Apple IOS-based operating system running iZENPOS version 1.W1.xxx POS software connected wirelessly to an iZENPOS controller hardware network device.

Another alternative POS controller comprises a Samsung model GT-P5100 or equivalent (*) device that operates an Android-based operating system running iZENPOS version 1.W1.xxx POS software connected wirelessly to an iZENPOS controller hardware network device.

For either alternative system described above, the software version number is displayed to the left of the 'Log out' button at the bottom of the operator screen and also at the bottom of the operator Login screen.

### (ii) Electronic Indications

Indications shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*.

The Apple model iPad touch sensitive device or Samsung model GT-P5100 tablet touch sensitive device or equivalent (*) provides an indication for the operator and for the customer.

Alternatively, indication for the customer can be through an Apple model iPad Mini or equivalent (*) or through an LG model L1742TE-PF or Acer model V193 or equivalent (*) computer monitor attached to an iZENPOS controller hardware network device using HDMI or equivalent technology to which the iPad touch sensitive operator device or equivalent (*) connects to the iZENPOS controller hardware device using wireless technology.

(*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

### 1.4 Descriptive Markings

The POS controller is marked in a clear and permanent manner, in one location, with the following information:

| | |
|---|---|
| Submittor's name or mark | …….. |
| Serial number or other unique identifier | …….. |
| Pattern approval number | NMI PS656 |

(Note: The 'P' in the approval number may be a temporary marking.)

## 2. Description of Variant 1 provisionally approved on 7/02/14

Without the receipt printer described for the pattern but with a Samsung model SRP770 printer or equivalent (*) may also be connected to the controller to provide label printing facility.

(*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

## TEST PROCEDURE

The POS system shall be tested for compliance with the requirements of General Supplementary Certificate No S1/0/A dated 20/03/92, as follows:

Testing requires a minimum of 5 checks spanning the measurement range of the measuring instrument. For each check, ensure the device is correctly:

- repeating the result of the primary indicator; and/or
- summing several primary indicators; and/or
- printing the results.

Ensure the printed format and the display format is in compliance with General Supplementary Certificate No S1/0/A.

Perform a display segment check for indicators with this function.

For network systems, check that the measurement data printed on the transaction record is correctly reproduced from each device connected in the network.

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

**Dr A Rawlinson**

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