



Australian Government

National Measurement  
Institute

Bradfield Road, West Lindfield NSW 2070

## Supplementary Certificate of Approval

### NMI S584

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.

Future Net Model OSPoS Point of Sale (POS) System

submitted by Future Net Pty Ltd  
Unit 19, 37-47 Borec Road  
PENRITH NSW 2750

**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 M7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

This approval becomes subject to review on 1/09/17, and then every 5 years thereafter.

#### DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 provisionally approved – interim certificate issued	16/08/12
1	Pattern & variant 1 amended (validity date) – variant 2 approved – interim certificate issued	28/11/12
2	Pattern & variants 1 & 2 amended (validity date) – interim certificate issued	31/03/13
3	Pattern & variants 1 & 2 amended (validity date) – interim certificate issued	13/09/13
4	Pattern & variants 1 & 2 approved – certificate issued	31/03/14

## CONDITIONS OF APPROVAL

### **General**

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S584' and only by persons authorised by the submitter.

Instruments purporting to comply with this approval and currently marked 'NMI PS584' may be re-marked 'NMI S584' but only by persons authorised by the submitter.

It is the submitter'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.

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

TECHNICAL SCHEDULE No S584

**1. Description of Pattern** **provisionally approved on 16/08/12**  
**approved on 31/03/14**

A Future Net model OSPoS system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments granted with reference to document NMI M7.

- The system provides point of sale arrangements for a Datalogic model Magellan 8404 self-indicating non-automatic weighing instrument (approval NMI 6/4C/252) 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 public.
  - Manually entered measurement data shall be indicated as such on a printed transaction record.
  - 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 Future Net model OSPoS point of sale (POS) system (Figure 1) comprises:

**(i) POS Controller**

The Future Net model OSPoS POS controller comprises an HP model AP5000 or equivalent (\*) PC-based device that operates a Microsoft Windows operating system running OSPoS version 4.2.x.x software. The software version number is displayed in the bottom right hand corner of the operator display.

**(ii) Electronic Indications**

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

The HP model AP5000 POS controller has an integral touch sensitive display to provide an indication for the operator (Figure 2).

An Acer model AL1716 computer monitor or equivalent (\*) is connected to the controller and provides an indication for the customer (Figure 3). An IBM model 15K2012 2 line display or equivalent (\*) may be connected to the controller as an alternate indication for the customer (Figure 4).

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*.

An HP model A799 printer or equivalent (\*) is connected to the controller to provide transaction record printing facility. A typical record is shown in Figure 5.

(\*) '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 Verification Provision**

Provision is made for the application of a verification mark.

**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 S584

**2. Description of Variant 1** **provisionally approved on 16/08/12**  
**approved on 31/03/14**

The Future Net model OSPoS point of sale (Linux-based POS) system comprises:

**(i) POS Controller**

The Future Net model OSPoS POS controller comprises an IBM model SURE Pos 300 or equivalent (\*) PC-based device that operates a Linux operating system running OSPoS version 3.x.x software. The software version number is displayed in the bottom right hand corner of the operator display.

(\*) '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.

**(ii) Electronic Indications**

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

An IBM model 4820 – 5GN touch sensitive computer monitor or equivalent (\*) is connected to the POS controller to provide an indication for the operator (Figure 6).

An Acer model AL1716 computer monitor or equivalent (\*) is connected to the controller and provides an indication for the customer (Figure 7).

An IBM model 15K2012 2 line display or equivalent (\*) may be connected to the controller as an alternate indication for the customer (Figure 8).

**(iii) Printing Devices**

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

An IBM model 4610-1NR printer or equivalent (\*) is connected to the controller to provide transaction record printing facility. A typical record is shown in Figure 9.

**(iv) Additional System Facilities**

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

**3. Description of Variant 2**                      **provisionally approved on 16/08/12**  
**approved on 31/03/14**

A Future Net 'DeliScale' POS system (Figure 10) using a Future Net model OSPoS POS controller comprising an HP model AP5000 or equivalent (\*) PC-based device that operates a Microsoft Windows operating system running DeliScale version 1.1.0.8 label printing software.

The HP model AP5000 POS controller has an integral touch sensitive display to provide an indication for the operator (Figure 11).

An Acer model AL1716 computer monitor or equivalent (\*) is connected to the controller and provides an indication for the customer (Figure 12). An IBM model 15K2012 2 line display or equivalent (\*) may be connected to the controller as an alternate indication for the customer.

Labels shall satisfy the requirements of document NMI M7.

A Zebra model GK420D printer or equivalent (\*) is connected to the controller to provide label printing facility. A typical label is shown in Figure 13.

(\*) '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 No S584

The POS system shall be tested in addition to any tests specified in the approval documentation for the measuring instrument/s to which the POS system is connected, as appropriate

The POS system shall be tested in the normal operational mode of the instrument and device, not in 'training mode' or any other management mode.

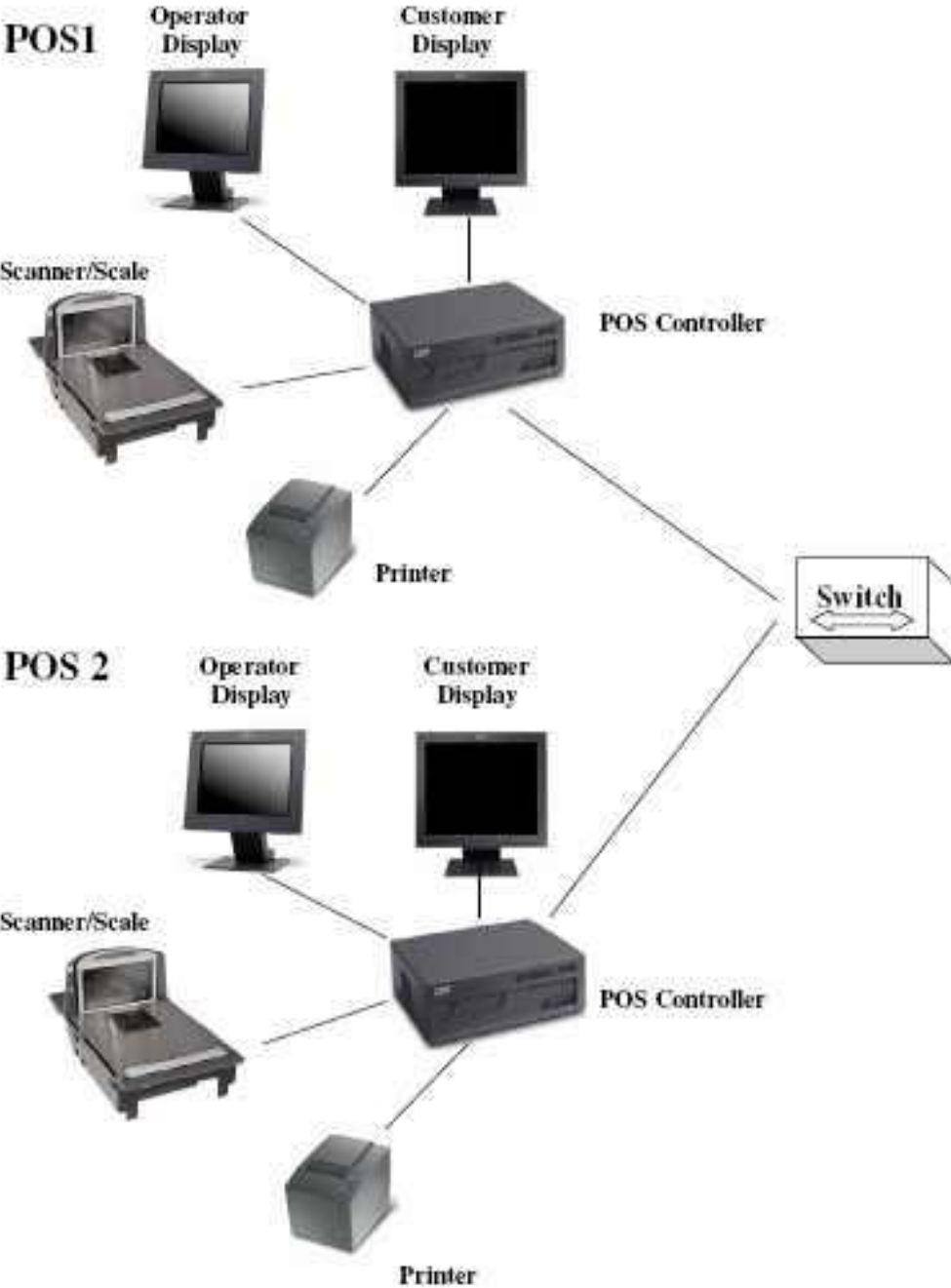
### **Maximum Permissible Error**

The maximum permissible error for price computation is  $\pm 0.5$  cent.

### TESTS

1. Check the software version number/s.
2. Check that the POS system faithfully reproduces the measurement data in the same units and scale interval as the connected approved measuring instrument, e.g. test by using a PLU without a stored tare.
3. Check that the system performs correct price computation, and computes and indicates a correct unrounded subtotal. For cash payment methods, check that any rounding calculation is correct.
4. Perform a measurement with a preset tare applied and confirm that the POS system correctly calculates and indicates a net measurement result.
5. Manually enter some pre-determined measurement data and ensure that the printed transaction record clearly indicates the transaction as such.
6. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.
7. Ensure that electronic indications and printed information are in accordance with document NMI M7.

FIGURE S584 – 1



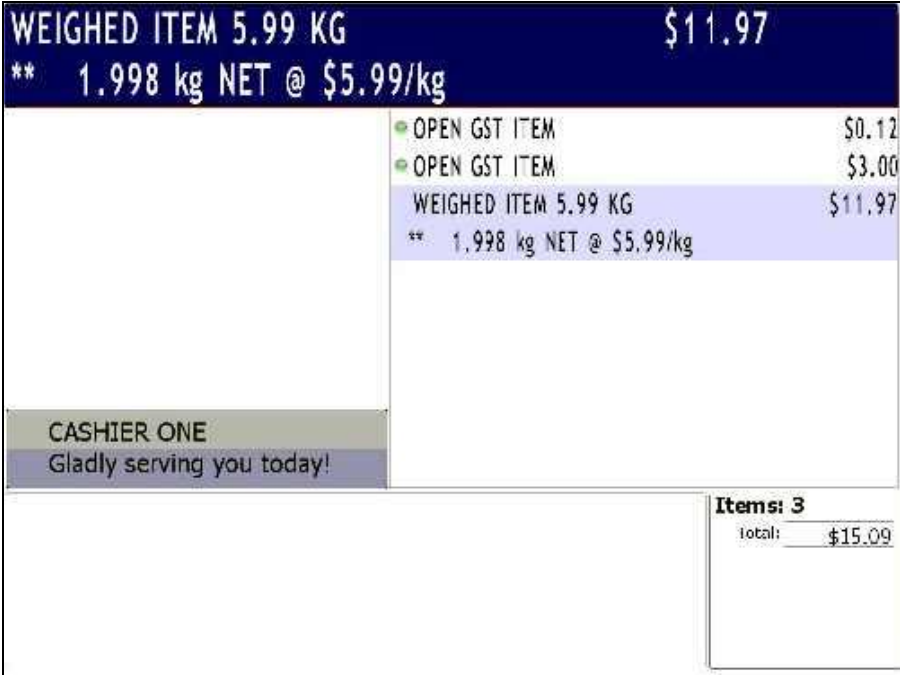
Future Net Model OSPoS Point of Sale (POS) System (Pattern and Variant 1)

FIGURE S584 – 2



Typical HP model AP5000 Operator Screen (Pattern)

FIGURE S584 – 3



Typical Full Screen Customer Display (Pattern)



FIGURE S584 – 4



Typical 2 Line Customer Display (Pattern)

FIGURE S584 – 5



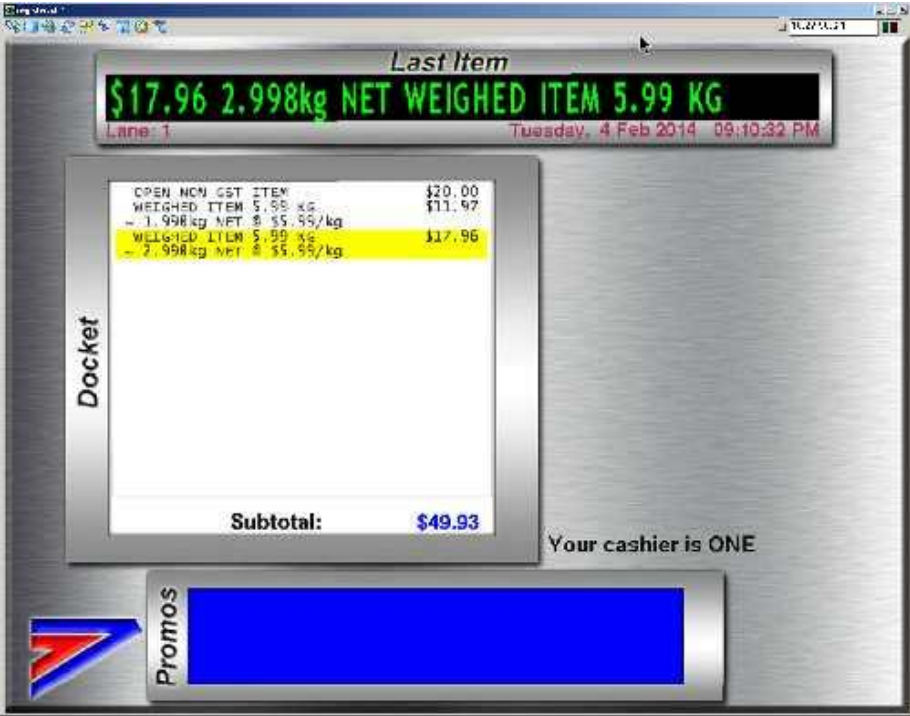
A Typical Transaction Record (Pattern)

FIGURE S584 – 6



Typical IBM model 4820 – 5GN Operator Screen (Variant 1)

FIGURE S584 – 7



Typical Full Screen Customer Display (Variant 1)

FIGURE S584 – 8



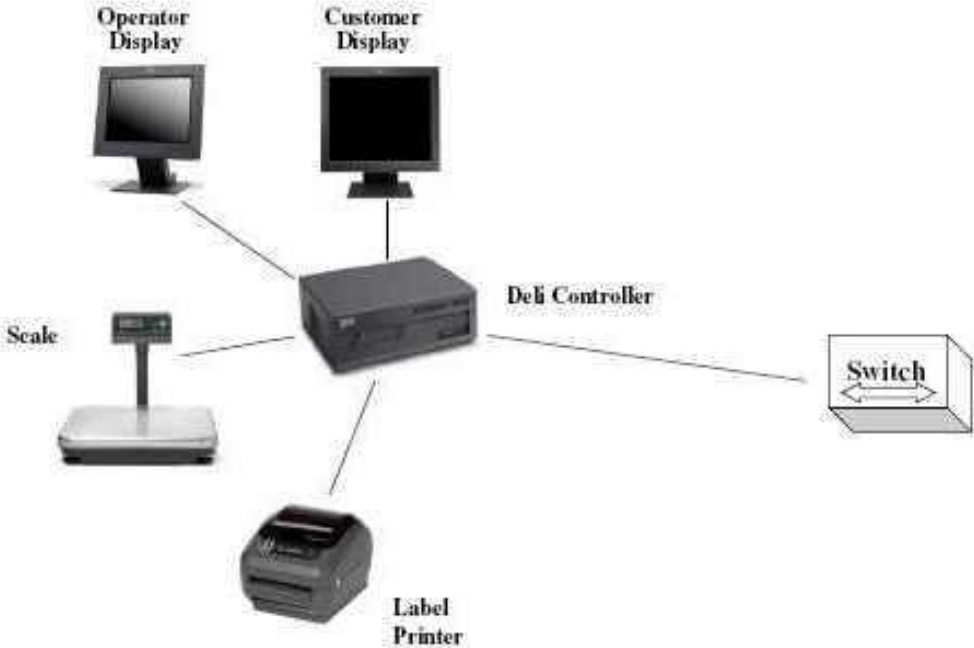
Typical 2 Line Customer Display (Variant 1)

FIGURE S584 – 9



A Typical Transaction Record (Variant 1)

FIGURE S584 – 10



Future Net 'DeliScale' Model OSPoS Point of Sale (POS) System (Variant 2)

FIGURE S584 – 11



Typical HP model AP5000 Operator Screen (Variant 2)



FIGURE S584 – 12



Typical Acer model AL1716 Customer Screen (Variant 2)

FIGURE S584 – 13



A Typical Label (Variant 2)