



Australian Government  
Department of Industry,  
Innovation and Science

## National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

# Supplementary Certificate of Approval

## NMI S617

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.

TGCS Model 4888 Point of Sale (POS) System

submitted by Toshiba Global Commerce Solutions  
c/o IBM Mailroom, Level 1, 60 City Road  
Southbank VIC 3006

**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 1/10/24, and then every 5 years thereafter.

### DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 provisionally approved – interim certificate issued	4/04/13
1	Pattern & variant 1 approved – certificate issued	13/02/15
2	Pattern and variant reviewed – Variant 2 approved – certificate issued	09/10/19

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S617' and 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*.



**Darryl Hines**  
Manager  
Policy and Regulatory Services

## TECHNICAL SCHEDULE No S617

### 1. Description of Pattern

**approved on 4/04/13**  
**approved on 13/02/15**

A TGCS model 4888 (\*\*) system to provide a self check out facility for compatible (#) NMI-approved point of sale systems granted with reference to document NMI M7.

(\*\*) This is the basic model number which may have suffixes, in the form 4888-xxx, where x may be any alphanumeric character representing non-metrological features.

#### 1.1 Key Features

- The system provides a self check out facility for point of sale arrangements for a compatible NMI approved point of sale (POS) systems.
- The system includes an inbuilt Magellan model 8502 self-indicating non-automatic weighing instrument (approval NMI 6/4C/215) or other compatible (#) NMI-approved measuring instruments.
- (#) '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 TGCS model 4888 self check out system (Figure 1) comprises:

##### (i) POS Controller

The TGCS model 4888 POS controller comprises a TGCS model 4888-E01 or equivalent (\*) PC-based device that operates a Microsoft Windows-based operating system running TGCS Checkout Environment software version 6.x.x.xxxx software and works in conjunction with other NMI approved POS systems. The software version number is displayed on the touch screen, and is accessed by touching the 'Version' button. This button is accessible between customer transactions.

##### (ii) Electronic Indications

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

The POS controller has an inbuilt TGCS model SurePoint touch sensitive computer monitor to provide an indication for the customer (Figure 2).

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 TGCS model SureMark 4610-1NR printer or equivalent (\*) is connected to the controller to provide transaction record printing facility. A typical record is shown in Figure 3.

(\*) '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 (change) dispenser, magnetic card and/or barcode reader and electronic funds transfer (EFT). 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 S617

### **2. Description of Variant 1** **approved on 13/02/15**

Certain other models of the 48xx series (\*\*) of self check out systems similar to the pattern, in various configurations of the features outlined in clause **1.2 (iv) Additional System Facilities**.

(\*\*) This is the basic model number which may have suffixes, in the form 48xx-xxx, where x may be any alphanumeric character representing non-metrological features.

The approved models include, but are not limited to, the following:

- 4845-E0x Cashless;
- 4845-E1x Cash;
- 4888-E0x Cashless; and
- 4888-E0x Cashless.

All models use TGCS Checkout Environment software version 6.x.x.xxxx software.

### **3. Description of Variant 2** **approved on 09/10/19**

Certain other models of the 68xx series (\*\*) of self check out systems (Figure 4) similar to the pattern, in various configurations of the features outlined in clause **1.2 (iv) Additional System Facilities**.

(\*\*) This is the basic model number which may have suffixes, in the form 68xx-xxx, where x may be any alphanumeric character representing non-metrological features.

The system includes an inbuilt Magellan model 9300i self-indicating non-automatic weighing instrument (approval NMI 6/4C/291) or other compatible (#) NMI-approved measuring instruments.

The approved models include, but are not limited to, the following:

- 6800-100 Cashless;
- 6800-110 Cash;

All models use TGCS Checkout Environment software version 7.x.x.xxxx software.

## TEST PROCEDURE No S617

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.

The POS system may be tested using the tests below:

### **Maximum Permissible Error**

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

### **TESTS**

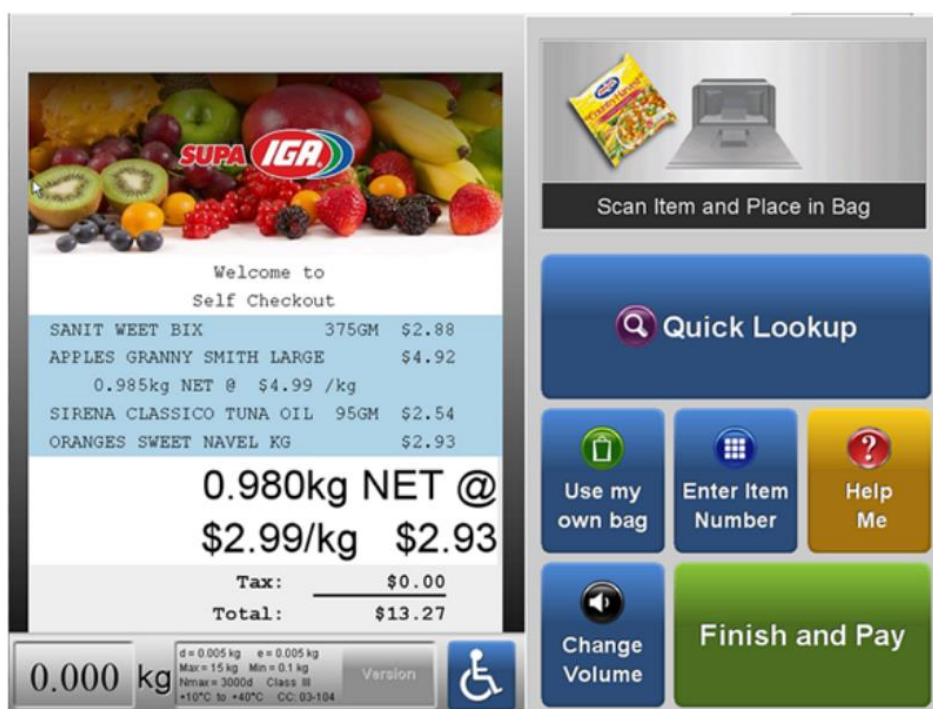
1. Check the software version number/s.
2. Check that the POS system faithfully reproduces the measurement data in the same units and scale interval as the connected approved measuring instrument, e.g. test by using a PLU without a stored tare.
3. Check that the system performs correct price computation, and computes and indicates a correct unrounded subtotal. For cash payment methods, check that any rounding calculation is correct.
4. Ensure that electronic indications and printed information are in accordance with document NMI M7.

FIGURE S617 – 1



TGCS Model 4888 Point of Sale (POS) System

FIGURE S617 – 2



Typical Customer (Self-serve) Display

FIGURE S617 – 3



Typical Receipt

FIGURE S617 – 4



TGCS Model 6800 series Point of Sale (POS) System (Variant 2)

~ End of Document ~