

Australian Government

National Measurement Institute Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

No S571

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.

Fujitsu Model OnePOS Point of Sale (POS) System

submitted by	Fujitsu Australia Lim		
	Level 16, 15 Blue Street		
	NORTH SYDNEY	NSW	2060

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 becomes subject to review on 1/08/17, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	31/7/12
1	Pattern amended (minor transaction printing change) – interim	
	certificate issued	
2	Pattern amended (validity date) – interim certificate issued	21/12/12
3	Pattern amended (validity date) – interim certificate issued	19/04/13
4	Pattern approved – certificate issued	24/04/13
5	Pattern amended (remote verification) – certificate issued	20/12/13

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S571' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS571' may be re-marked 'NMI S571' but 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.

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 S571

1. Description of Pattern provisionally approved on 31/07/12 approved on 24/04/13

A Fujitsu model OnePOS point of sale (POS) system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments.

1.1 Key Features

- The system provides point of sale arrangements for a Magellan SL model 8202 self-indicating non-automatic weighing instrument (approval NMI/NSC 6/4C/201) 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 up to the maximum capacity of the approved measuring instrument.
- 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 Fujitsu model OnePOS point of sale (POS) system (Figure 1) comprises:

(i) **POS Controller**

The Fujitsu model OnePOS POS controller comprises an NCR model RealPOS 7457 or equivalent (*) PC-based device that operates a Microsoft Windows operating system running OnePos version 003.xxx.xxx software. The software version number is displayed in the lower right 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*.

An NCR model 5964 touch sensitive computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator (Figure 2).

An NCR model 5942 computer monitor or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 3).

(iii) **Printing Devices**

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

An Epson model TM-H5000II printer or equivalent (*) is connected to the controller to provide transaction record printing facility. A typical record is shown in Figure 4.

(*) '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). 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, applied either locally or remotely for certain systems only.

The procedure on how to perform the remote verification is included in section B of the Test Procedure.

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 S57

(#) Typical locations, depending on the type of mounting for the operator screen, are shown in Figure 5.

1

TEST PROCEDURE No S571

The POS system shall be tested in addition to any tests specified in the approval documentation for the instruments 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, either:

- A. Local Verification (in which case a physical verification label shall be applied to the instrument) or
- **B. Remote Verification** (in which case the physical verification label is not permitted). Note that remote verification has only been approved for use at certain stores, namely Coles and Bi-Lo Supermarkets.

Maximum Permissible Error

The maximum permissible error for price computation is ±0.5 cent.

TESTS

- A. Local Verification the following shall be carried out on each POS system at the location where it is being used with the public
- 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.

B. Performing a Remote Verification – the following shall be carried out on representative POS systems in a test laboratory and on a POS system at a 'live' pilot site.

- 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. Ensure that electronic indications and printed information are in accordance with document NMI M7.
- 7. Verification of the 'live' pilot site will be performed using the Local Verification Process.
- 8. Fujitsu's software development team will create an electronic version of the 'live' pilot verification details in the format in item C5 below.
- 9. This electronic version will be accessible from every Coles and Bi-lo Supermarket so that confirmation of the remote verification is possible using the procedure outlined in C below.

C. Confirming That a Remote Verification has Been Performed

1. A store manager will log into the SCO lane for the Trade Measurement Officer. The current POS software version will be displayed at the bottom right corner of the screen.

😲 Sign On	3		
Huddle Enter your Operator ID.	Payment	Sales	ОК
Operator ID	Ð	Ø	
Password	Supervisor	Operator	Training
Bag/Drawer	78	39	Password
	4 5	56	5hutdown
	1 2	2 3	
	0	00	
	Ent	ter	
	Back	Clear	
12:16 PM Tuesday 17 December, 2013		<mark>)%o_</mark>	003.013.006

Huddle Can or key enter an item.	a yment	Sales	Cash
Entry	E Supervisor	Q Operator	EFTPOS
No items scanned	78	39	Q Search
Please ask customer if they have a flybuys card	4 5	56	Quantity
Remember to always use two hands when lifting bags	1 2	2 3	Delete Item
	0	00	New Price
	En	ter	## Category
0.000 kg Change \$0.00	Back	Clear	
1:27 PM Monday Zach		<mark>)%</mark>	003.013.006

2. Select the **<Huddle>** button

3. Select the **<Proud to be coles>** logo to display the POS version.



4. The various NMI approved POS versions will be displayed. The Trade Measurement Officer should select the appropriate version for the software version in use on the device being verified (displayed in the bottom right corner).

Huddie	Comms	Exit
NMI a	approved POS ver	rsions
003.yyy.zzz		
xxx.yyy.zzz	future NMI approved versions	will be displayed here)
		₹
Please Note: To indicate a	POS Release that has NMI chanc	the following
numbering scheme will be	used.	,
POS Release # version for	mat xxx.yyy.zzz xxx = NMI version	
	yyy = major POS version zzz = patch version of POS	Exit
1:30 PM Monday 16 December, 2013	Zach 🎽 📮 🚺 📮	0%

5. The verification mark of approval certifying the software version and included metrological change as compliant against NMI standards will be displayed. The software version displayed will be as per section 1.2 (i) with the 'major' version indicating the NMI compliance (e.g. 003.yyy.zzz). The verification major version should match with the software major version displayed in the bottom right corner.



FIGURE S571 – 1



Fujitsu Model OnePOS Point of Sale (POS) System

FIGURE S571 – 2



Typical Operator Display

FIGURE S571 – 3



Typical Customer Display (Only Part of Display Shown)

FIGURE \$	S571 – 4
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Coles Supermarkets Au	stralia Pty Ltd
Tax Invoice ABN: 45	5 004 189 708
SV8450 FAL Test Site	Store: 8450
570 St Kilda Road Melbour	me 3004
Open 6am to Mi	dnight,
7 days a w	eek
Phone: (03) 97040022	Receipt: 1320
Date: 18-Apr-2013	Time: 09:11
Reg 1 Served By: First -	301
BANANAS	9.82
3.295 kg# NET @ \$2.9	8/kg
Sub Total	\$9.82
Rounding	-0.02
Total for 1 item	\$9.80
Cash	9.80
GST INCLUDED IN TOTAL	\$0.00
Please retain receip	ot for refund
or exchange pu	irposes
% = Taxable	items
# = Manual weig	ht entry

A Typical Receipt

FIGURE S571 - 5





Typical Locations of Descriptive Markings

~ End of Document ~