Australian Government
Department of Industry, Science and Resources
National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval
NMI S873

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.

Toshiba Model Visual Store 6 Point of Sale (POS) Control System for Fuel Dispensers for Motor Vehicles

submitted by Toshiba Global Commerce Solutions (Australia) Pty. Ltd.
Unit 13 / 25 Claremont Street
South Yarra VIC 3141

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 R 117, *Measuring Systems for Liquids Other than Water*, dated June 2011.

This approval is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – certificate issued	06/08/25

CONDITIONS OF APPROVAL

General

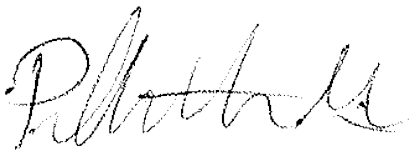
Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S873' and only by persons authorised by the submitter.

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*.



Phillip Mitchell
A/g Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No S873

1. Description of Pattern approved on 06/08/25

A Toshiba model VisualStore 6 point of sale control system (Figure 1) to provide an attended self-service facility for compatible (#) NMI-approved fuel dispensers for motor vehicles. The fuel dispensers are controlled by the VisualStore 6 point of sale system through the DOMS PSS5000 Forecourt controller (as described in approval NMI S748).

1.1 Key Features

- The system is approved for environmental class A, a climate-controlled environment between 0 °C and +40 °C.
- The system can provide a self-serve arrangement for compatible (#) NMI-approved fuel dispensers.
- The system allows post-payment or pre-payment deliveries; in the latter case the fuel dispenser must incorporate a pre-set device.
- The system allows up to two transactions per fuel dispenser, i.e. current sale on the fuel dispenser and a stored transaction.
- The system may facilitate mixed-mode operation for unattended self-service mode. A control system that is approved for unattended self-service operation must be interfaced to the VisualStore 6 point of sale control system for operation in this mode.
- Additional POS consoles may be interfaced for multi-attended self-serve operation.
- The nominal supply voltage is 240 V AC.

1.2 System Description

The Toshiba model VisualStore point of sale (POS) system comprises:

(i) Point of Sale (POS) Console

The point of sale console comprises a Toshiba model TCx810 or equivalent (*) PC-based device using a Microsoft Windows operating system running Toshiba Global Commerce Solutions VisualStore 6 software version 103x_xxx_xxx. The software version number is displayed by selecting the cog wheel on the top right-hand corner of the sales screen. Then click the version info button and the version number is displayed on the bottom of the version info window.

(ii) Electronic Indications

The Toshiba model TCx810 has an integral touch sensitive display to provide an indication for the operator (Figure 2) and another integral display to provide an indication for the customer (Figure 3).

(#) '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.

(*) '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.

(iii) Uninterruptible Power Supply (UPS)

A Cyberpower CP900EPFCLCDa UPS or equivalent (*) is connected to the POS unit to provide operation under power failure condition.

A Cyberpower PR2000ERTXL2U UPS equivalent (*) is used to support the Lenovo ThinkSystem SR250 Servers and DOMS PSS5000 controller under power failure condition.

(iv) Printing Devices

A TOSHIBA model HSP100 receipt printer or equivalent (*) is connected to the console. A typical record is shown in Figure 4.

(v) Server

The Lenovo ThinkSystem SR250 or equivalent (*) servers operates as the database storage for the control system.

(vi) Controller

The DOMS PSS5000 controller provides the self-service control system with the fuel dispenser control functions.

(vii) Additional System Facilities

In addition, the model VisualStore 6 point of sale control system may include point of sale facilities including cash drawers, a magnetic card or barcode reader and EFT facility. The facilities shall not interact with the console in a way that would cause an incorrect indication of the measured volume or price.

1.3 Checking Facilities

(i) Customer Display

If the connection to the customer display is interrupted or an error occurs with the customer display, the ability to store a result in memory and authorise a second delivery will be prevented until the error condition is resolved.

(ii) Uninterruptible power supply

The POS control system monitors the condition of the UPS and if an error or power loss is detected, the system will prevent the ability to authorise a stored transaction.

1.4 Descriptive Markings

The Toshiba model TCx810 Point of Sale console 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 S873

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

1.5 Verification Provision

Provision is made for the application of a verification mark.

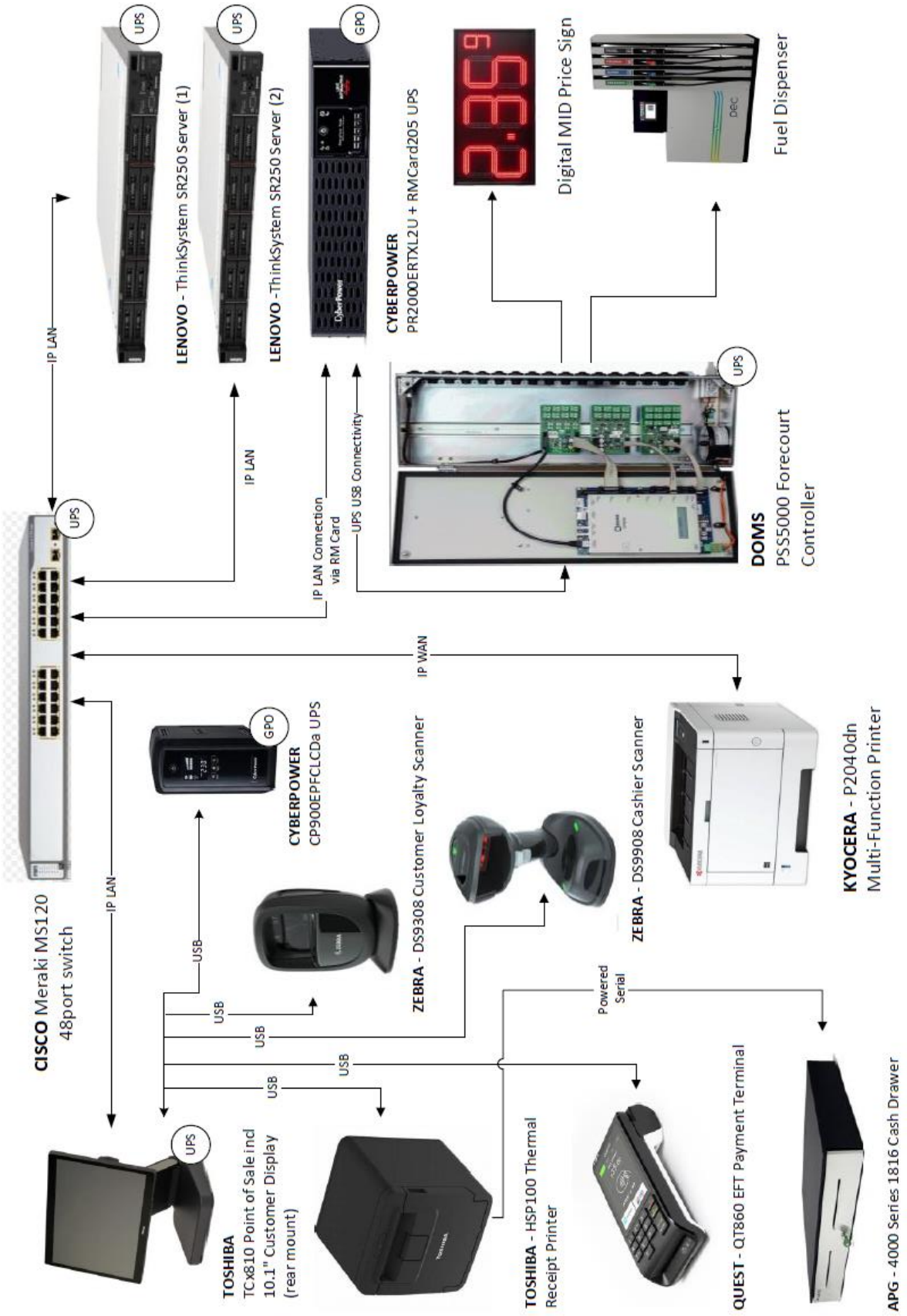
TEST PROCEDURE No S873

Instruments shall be tested in conjunction with any tests specified in the approval documentation for the instruments to which the pattern is connected, as appropriate, and in accordance with the National Instrument Test Procedures.

Points 2-6 are required at commissioning, thereafter they may be conducted at the discretion of the inspecting officer.

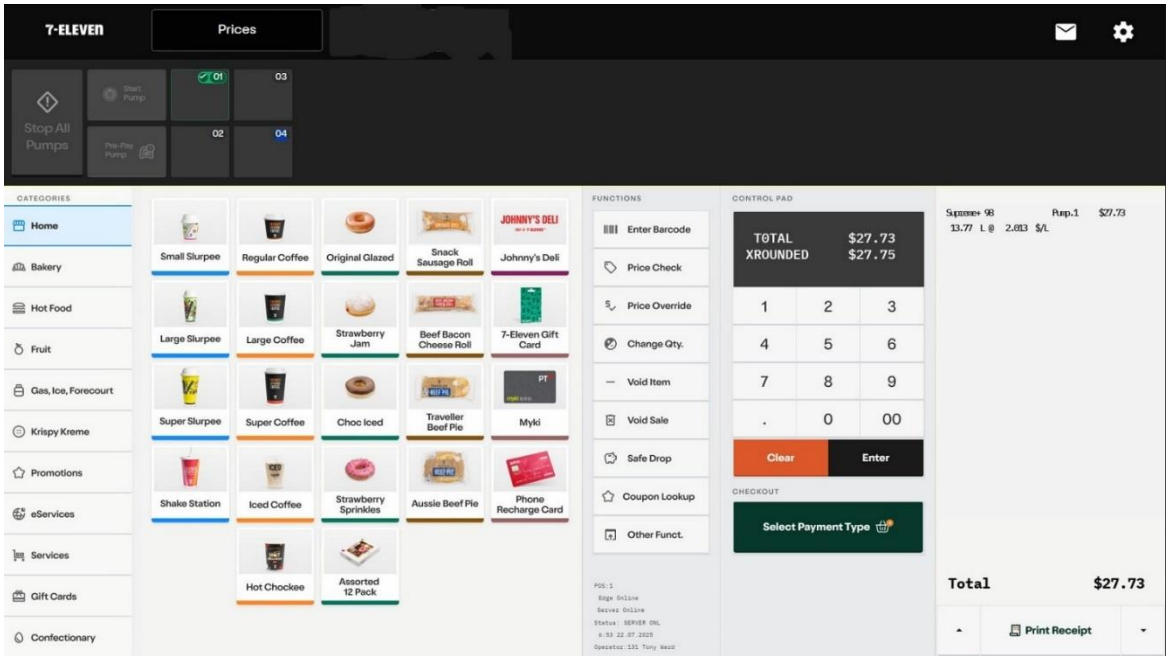
1. Check the software version number
2. Check that the unit price change for the grade of fuel is implemented to the allocated fuel dispensers when they are available for authorisation.
3. Check that the system identifies, displays and prints the correct data for the corresponding number allocated to the fuel dispenser.
4. Authorise a delivery and check that the delivery details on the fuel dispenser agree with the receipt obtained.
5. Authorise a stored delivery and check that the delivery details of the first delivery to be stored in memory and displayed on the POS Screen.
6. A pre-paid delivery is only possible for fuel dispensers with pre-set facility. For a pre-paid delivery check that the amount displayed on the fuel dispenser equals the pre-paid amount
7. Check that when the Customer Display is disconnected from the Point-of-Sale Console (simulation of fault), the fuel dispenser cannot be authorised for a second delivery unless the transaction for the first delivery has been completed.
8. Check that when the Uninterruptible Power Supply is disconnected from the Point-of-Sale Console (simulation of fault), the fuel dispenser cannot be authorised for a second delivery unless the transaction for the first delivery has been completed.

FIGURE S873 – 1



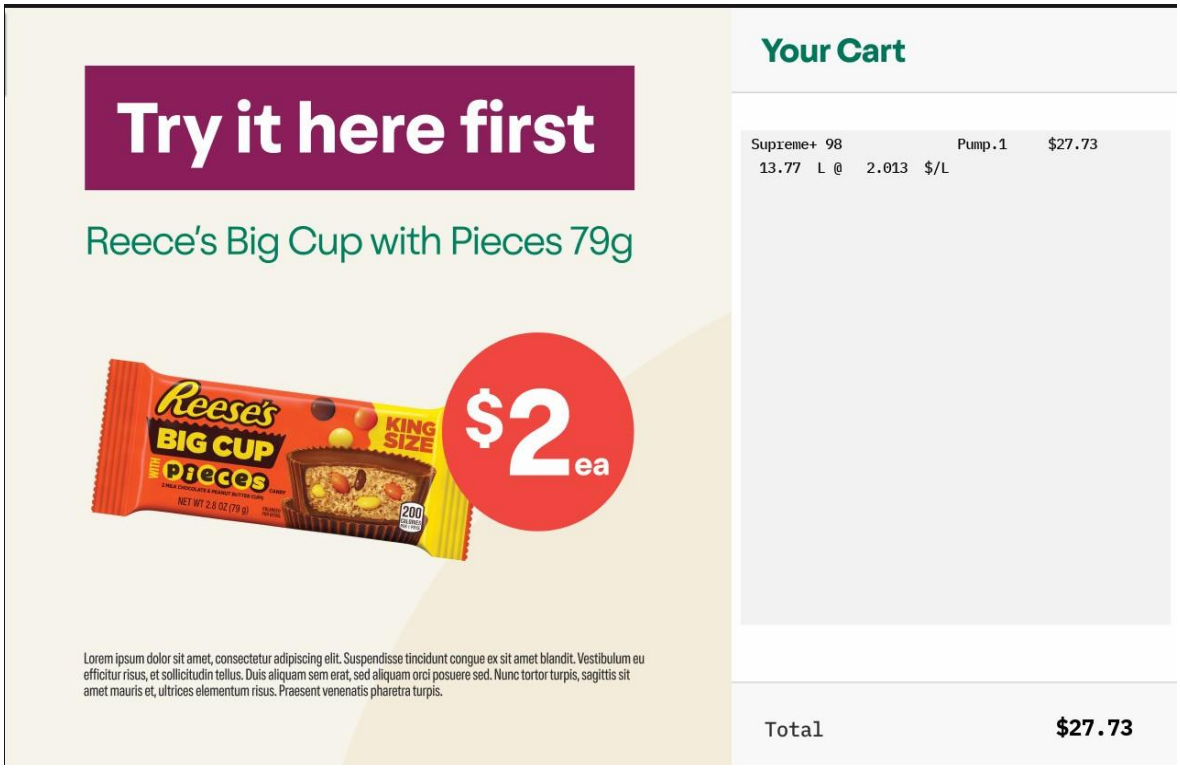
Point of Sale (POS) System for Fuel Dispensers for Motor Vehicles

FIGURE S873 – 2



Typical Operator Display

FIGURE S873 – 3



Typical Customer Display

FIGURE S873 – 4

wonderfully easier
4184 (7Eleven REG)
ABN: 71 123 746 356

** TAX INVOICE **

		AUD
Supreme+ 98	Pump.1	$27.73 *
13.77 L @ 2.013 $/L		
Rounding		0.02
TOTAL		**$27.75**
Cash		27.75

GST %	GST $
10.00	2.52
	2.52

YOUR CASHIER IS:
Tony Ward

THANK YOU FOR SHOPPING WITH
7-ELEVEN 4184
PLEASE RETAIN THIS RECEIPT
Scan the QR Code below to
download the My 7-Eleven App.
Fuel locks and new offers available.

MY 7-ELEVEN

0010002565220655000000277307250002

ITM 1 TRANSACTION: 2565

STORE NUMBER: 4184

A Typical Receipt

~ End of Document ~