Australian Government
Department of Industry and Science

National Measurement Institute

Supplementary Certificate of Approval

NMI S760

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.

Becas Technology Model BecasPOS Point of Sale (POS) Control System for Fuel Dispensers for Motor Vehicles

submitted by Becas Technology Pty Ltd
Unit F4/101 Rookwood Rd
Yagoona NSW 2199

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 becomes subject to review on **1/04/23**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – certificate issued	26/03/18

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S760' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS760' may be re-marked 'NMI S760' 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*.

Mr Darryl Hines

TECHNICAL SCHEDULE No S760

1. Description of Pattern approved 26/03/18

A Becas Technologies model BecasPOS point of sale control system to provide an attended self-service facility for compatible (#) approved fuel dispensers for motor vehicles. The fuel dispensers are controlled by the BecasPOS point of sale system through the Integration Technologies Enabler flowmeter controller (as described in approval NMI S518).

1.1 Key Features

- The system is approved for environmental class A, a climate-controlled environment between 5°C and 30°C.
- The system can provide a self-serve arrangement for compatible (#) 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 RS Touch 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 Becas Technologies model BecasPOS point of sale (POS) system (Figure 1) comprises:

(i) Point of Sale (POS) Console

The point of sale console comprises a POSBank model Apexa-G or equivalent (*) PC-based device using a Microsoft Windows operating system running BecasPOS version 1.14.xx.xx The software version number is on the title bar of the software application.

(ii) Electronic Indications

The POSBank model Apexa-G POS console has an integral touch sensitive display to provide an indication for the operator (Figure 3).

An Acer model V193HQ display or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 4).

(#) ‘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) Printing Devices

A Partner model RP100-300II receipt printer or equivalent (*) is connected to the POS console. This also acts as the audit trail printer. A typical record is shown in Figure 5. The printer automatically prints fuel delivery details when a measurement result is stored in memory and a second delivery authorised. In a configuration with multiple POS consoles, the audit trail printer is connected to each individual console.

(iv) Server Computer

The server computer comprises a Hewlett Packard model 6300 computer or equivalent (*) with an Integration Technologies model Enabler forecourt flowmeter controller as described in approval NMI S518. The server computer operates as a database server for the POS consoles.

(v) Additional System Facilities

In addition, the model RS Touch 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) Audit Printer

The POS console configured as the 'Fuel Master Till' monitors deliveries authorised to be stored in memory. If an error is detected with the Audit printer, a message is displayed on the operators display and the ability to store a result in memory and authorise a second delivery will be prevented until the detected error condition is resolved.

(ii) Receipt Printer

The system monitors the condition of the receipt printer and if an error is detected, a visual warning is displayed on the operators screen.

(iii) Customer Display

A visual checking facility is provided to verify display operation for column-mounted display models.

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 S760

(*) '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.

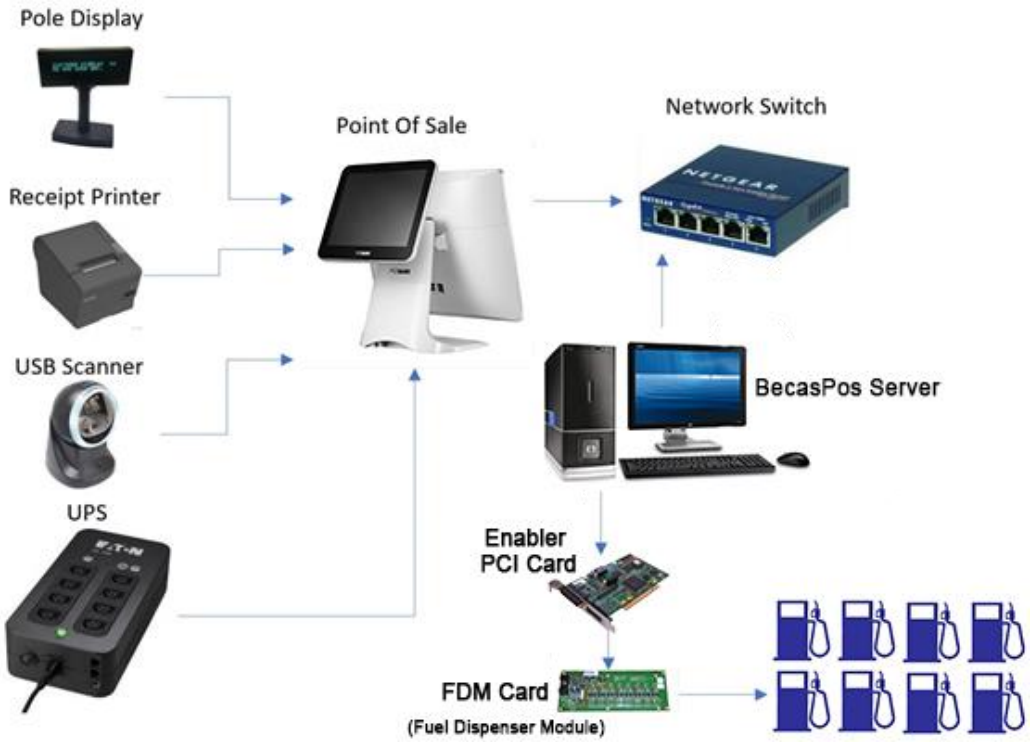
TEST PROCEDURE No S760

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 RS Touch 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 is printed on the audit printer.
6. Remove paper from the audit printer and check that when the printer is unavailable, the warning message is displayed on the POS console. Ensure that the ability to authorise a stored delivery is not possible.

FIGURE S760 – 1



Point of Sale (POS) System

FIGURE S760 – 2

Typical Operator Display

FIGURE S760 – 3

Typical Customer Display

FIGURE S760 – 4

Becas Technology P/L
ABN. 123456789
Unit F4/101 Rookwood Rd. Yagoona 2199 NSW
0401950967

ORDER# 4 20/3/2018 10:17 AM
CableID# 2 SHIFT# 3

TAX INVOICE

ULP PUMP ID# 3 $1.60
1.13 Litres @ $1.419/litre

Sub Total:	**$1.60**
GST(included in total):	$0.15
Tendered:	**$5.00**
Change:	**$3.40**

Thank you for visiting United Michelago
See you again!

A Typical Receipt

~ End of Document ~