



Australian Government

Department of Industry,
Science and Resources

**National
Measurement
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Supplementary Certificate of Approval
NMI S738**

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.

LS Retail Model LS Nav Point of Sale (POS) System

submitted by LS Retail ehf.
Hagasmari 3
Kopavogur 201
ICELAND

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 M 7, *Pattern
Approval Specifications for Point of Sale Systems*, dated June 2012.

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 provisionally approved – interim certificate issued	13/01/17
1	Pattern approved – certificate issued	13/02/18
2	Variant 1 provisionally approved – interim certificate issued	15/11/19

Document History (cont...)

Rev	Reason/Details	Date
3	Variant 1 withdrawn - Variant 2 provisionally approved - certificate issued	23/11/21
4	Variant 2 approved – certificate issued	02/03/23

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S738' and only by persons authorised by the submitter.

Instruments purporting to comply with this approval and currently marked 'NMI PS738' may be re-marked 'NMI S738' 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*.



Darryl Hines
Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No S738

1. Description of Pattern **provisionally approved on 13/01/17**
approved on 13/02/18

A LS Retail model LS Nav point of sale system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments granted with reference to document NMI M7.

1.1 Key Features

- The system provides point of sale arrangements for a Datalogic Magellan model 9804 self-indicating non-automatic weighing instrument (approval NMI 6/4C/282) 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 the public.
 - 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 LS Retail model LS Nav point of sale (POS) system (Figure 1) comprises:

(i) POS Controller

The LS Nav POS controller comprises a Dell Optiplex model 7040 or equivalent (*) PC-based device that operates a Microsoft Windows-based operating system running legally relevant software module version LSNav2.0. Non-legally relevant components of the software are also shown. The numbers may be displayed by pressing Ctrl+Shift+F6 at any time in the LS Nav POS screen.

(ii) Electronic Indications

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

An Intouch INDT190-PCAP computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator (Figure 2).

An Intouch INDT190-PCAP computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the customer (Figure 3).

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 Epson model TM88V 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), 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 S738

2. Description of Variant 1

**provisionally approved on 15/11/19
withdrawn on 23/11/21**

Note: The approval for this variant has been withdrawn – no instruments are installed using this variation to the approval

A LS Retail model LS Nav 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 LS Nav point of sale system through the Wayne Fueling Systems Model Fusion 6000 controller, or any compatible (#) variation of controller described in approval NMI S730.

3. Description of Variant 2

**provisionally approved on 23/11/21
approved on 02/03/23**

The Point of Sale console described in **1.2 System Description** now operating LS Central software with legally relevant software module version LS Central version 3.0.0.0. The numbers may be displayed by pressing Ctrl+Shift+F6 at any time in the LS Central POS screen. Non-legally relevant components of the software are also shown. The electronic indications for the operator and customer are shown in figures 5 and 6.

TEST PROCEDURE No S738

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 ± 0.5 cent.

TESTS

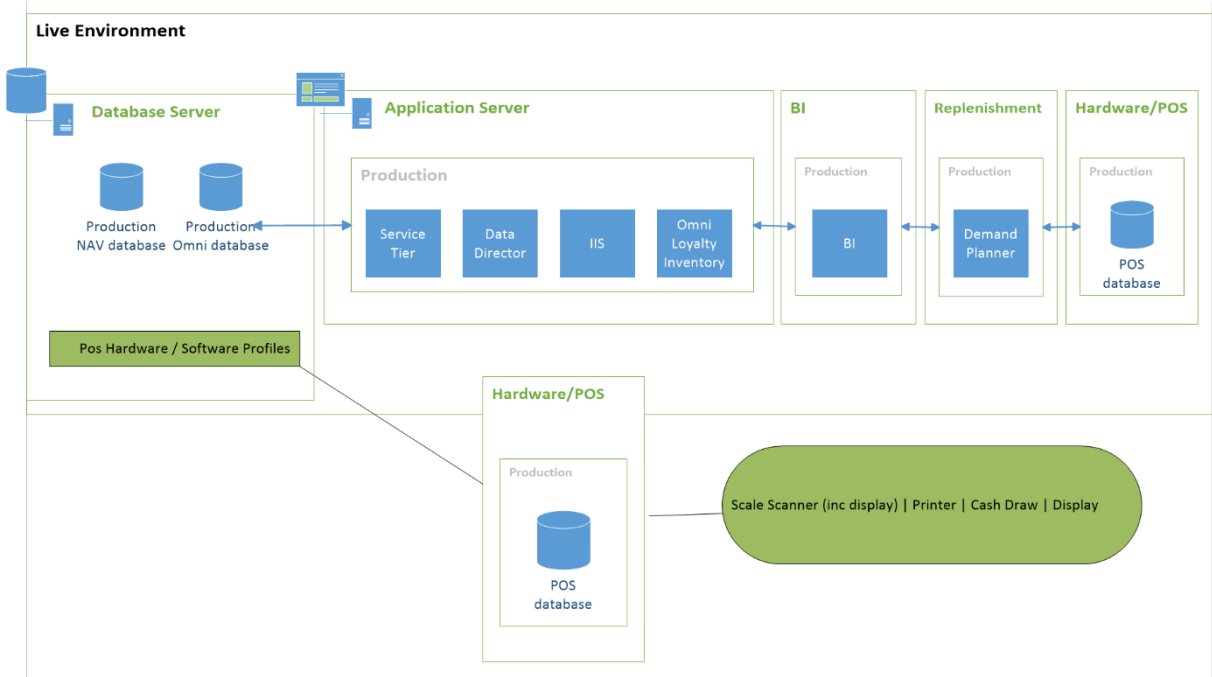
A. For the pattern (weighing POS systems)

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. For variant 1 (fuel control systems)

1. Check the LS Nav 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.

FIGURE S738 – 1



LS Retail Model LS Nav Point of Sale (POS) System

FIGURE S738 – 2

The screenshot shows the 'Typical Operator Display' interface. At the top, there is an 'Item no.:' input field. Below it, a yellow bar is visible. The main display area is divided into sections:

- Description and Amount:** A table with two columns: 'Description' and 'Amount'. The first row shows 'MUSHROOMS BUTTON' with a net weight of '0.058kg @ \$12.95/kg' and an amount of '\$0.75'.
- Action Buttons:** A vertical column of buttons on the right side of the table: 'Lock/Unlock', 'Item Correction', 'Change Quantity', and 'Markdown'.
- Total:** A large blue box on the right side of the table displaying 'Total' and '0.75'.
- Navigation and Control:** A bottom section with various buttons: 'Departments >>', a numeric keypad (0-9, ., -, Enter), 'Suspend & Retrieve', 'Supervisor Login', 'Supervisor Menu', 'Cancel', 'Rewards', 'Reprint Last', 'EFTPOS Cashout', and 'Pay Now'.
- Status Bar:** A bottom-most bar containing system information: 'SALES', 'SALES', 'FMode: ITEM', 'Receipt: 0000TST901000000375', 'Staff: 290062', 'Shift:', 'Mgr: Yes', and '9/02/2018 2:28:37 PM'.

Typical Operator Display

FIGURE S738 – 3

Save	
MUSHROOM BUTTON NET 0.058kg @ \$12.95/kg	\$0.75

Welcome to Cornetts IGA Sandstone Point	Total \$0.75
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Typical Customer Display

FIGURE S738 – 4

Receipt Station			
Slip: 0000SAN005000000571			
Staff: John S		Trans: 145	
Date: 09/02/18 2:51			

Description			\$

MUSHROOM BUTTON			
MAN NET 0.573kg @ \$10.95/kg	6.27	A	

Total	\$6.27		
Cash	-6.25		

Rounding	-0.02		

GST%	Net.Amt	GST	Amount
A 0	6.27	0.00	6.27

----- CUT (100%) -----			

A Typical Receipt

FIGURE S738 – 5

Chermside									
Description	Disc%	Amt\$	Item no.:		MISC. GST10	Misc. GSTFRE			
CUCUMBER LEBANESE MINI PREPACK (3 @ \$4.90)	0	14.70	55317 BEETROOT BUNCH		Change Line Price	Gift Card Balance			
CUCUMBER LEB SNACKING per kg (0.410kg @ \$19.95/kg)	0	8.18							
ARTICHOKE GLOBE (1 @ \$3.95)	0	3.95							
BRI SALAD LEAVES PREPACK 100g (1 @ \$4.50)	0	4.50	Line Up	Lookup	Change Qty.	Total Discount %	Fruit & Veg Popular		
BRI SPINACH BABY MIX PRPK 100g (1 @ \$4.50)	0	4.50	Line Down	Free Text	Change Selling Price	Total Discount Amount	Fruit & Veg A-Z		
BROCCOLINI BUNCH (1 @ \$4.95)	0	4.95	Suspend	x2	Price Check	Line Discount %	BULK		
BEETROOT BUNCH (1 @ \$9.95)	0	9.95	Print Last Receipt	Void Line	Void All	Line Discoun Amount	FAST KEYS		
Total		\$50.73	Cancel	ENTER		BACK			
Existing Member Card	Member Add/Edit		GIFT CARD	Dynamic Search	Activate Member Card Go to Settings Windows				
<div> <div>SALES</div> <div>SALES</div> <div>FMode: ITEM</div> <div>Receipt: 00000CHE01000000024</div> <div>Staff: 101</div> <div>Mgr: Yes</div> <div>20/02/2023 - 8:27:08 PM</div> </div>									

Typical Operator Display (Variant 2)

FIGURE S738 – 6

Chermside		
Description	Disc%	Amnt\$
CUCUMBER LEBANESE MINI PREPACK (3 @ \$4.90)	0	14.70
CUCUMBER LEB SNACKING per kg (0.410kg @ \$19.95/kg)	0	8.18
ARTICHOKE GLOBE (1 @ \$3.95)	0	3.95
BRI SALAD LEAVES PREPACK 100g (1 @ \$4.50)	0	4.50
BRI SPINACH BABY MIX PRPK 100g (1 @ \$4.50)	0	4.50
BROCCOLINI BUNCH (1 @ \$4.95)	0	4.95
BEETROOT BUNCH (1 @ \$9.95)	0	9.95
Total		\$50.73
Discount		0.00
Payment		0.00
Balance		50.73
20 February 2023 8:26:49 PM		

Typical Customer Display (Variant 2)

~ End of Document ~