Australian Government

**Department of Industry,
Science and Resources**

National
Measurement
Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

No S577

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.

NCR Model StoreLine POS Point of Sale (POS) System

submitted by   NCR Australia Pty Ltd
                       799 Pacific Highway
                       Citadel TWRS Tower A
                       Chatswood   NSW   2067

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.

The pattern and variants 1 to 4 of this approval has been granted with reference to document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

Variant 5 of 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 provisionally approved – interim certificate issued	6/08/12
1	Pattern amended (validity date) – interim certificate issued	15/11/12
2	Pattern amended (validity date) – interim certificate issued	28/02/13
3	Pattern approved – certificate issued	10/06/13
4	Pattern amended (validity date) – interim certificate issued	12/07/13
5	Variant 1 provisionally approved – interim certificate issued	30/09/13
6	Variants 2 & 3 approved – interim certificate issued	18/11/14
7	Pattern amended (validity date) – interim certificate issued	7/05/15

Document History (cont…)

Rev	Reason/Details	Date
8	Pattern amended (validity date) – interim certificate issued	29/10/15
9	Pattern amended (validity date) – interim certificate issued	8/02/16
10	Pattern amended (validity date) – interim certificate issued	17/08/16
11	Pattern & variants 1 to 4 approved – certificate issued	25/08/16
12	Variant 5 approved – interim certificate issued	4/06/18
13	Pattern amended (pattern name) – Variant 5 approved – certificate issued	8/04/19
14	Variant 5 amended (item numbering corrected) – Variant 6 approved – certificate issued	01/07/19
15	Variant 7 approved – certificate issued	28/01/21
16	Variant 8 approved – certificate issued	12/01/23

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S577' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS577' may be re-marked 'NMI S577' 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*.

Alex Winchester
A/g Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No S577

1.   Description of Pattern   provisionally approved on 6/08/12
approved on 10/06/13

An NCR (##) model StoreLine POS point of sale (POS) system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments. May also be known as Retalix systems of the same models.

(##)   The pattern may also be known as Retalix model Storeline POS point of sale system

1.1   Key Features

•   The system provides point of sale arrangements for a Wedderburn model DS-772 self-indicating non-automatic weighing instrument (approval NMI 6/4C/240) 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.

•   Pre-determined measurement data is able to be entered manually and shall be indicated as such on a printed transaction record.

•   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 across instruments, 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 NCR model StoreLine POS point of sale (POS) (Figure 1) comprises:

(i)   POS Controller

The NCR model StoreLine POS controller is an IBM SurePos 700 series model 700-743 or equivalent (*) PC-based device that operates a Microsoft Windows operating system running legally relevant Scale Calculations Component version 1.0.0.2 software which is shown by the method outlined in Figure 2. The non-legally relevant component of the software is also shown as a second version number which is always displayed on the main screen.

(ii)   Electronic Indications

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

An IBM model SurePoint Infra-red Touch computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator (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.

A Lenovo model L151 or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 4). **Note: Customer displays may NOT meet all the requirements of clause 6.1.3 of document NMI M7,** *Pattern Approval Specifications for Point of Sale Systems*, **in regard to the height of measurement information.**

(iii) Printing Devices

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

An IBM SureMark Dual Station model 4610-2NR or equivalent (*) is connected to the controller to provide transaction record printing facility. A typical record is shown in Figure 5.

(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.

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 Self Check Out Systems

The NCR StoreLine POS software may also be configured to operate on an NCR model 7346 or equivalent (*) system to provide a self check out point of sale facility that operates a Microsoft Windows operating system running legally relevant Scale Calculations Component version 1.0.0.2 software which is shown by the method outlined in Figure 2.

(*) '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.

1.4 Verification Provision

Provision is made for the application of a verification mark.

1.5 Descriptive Markings

The POS controller or a typical location (#) is marked in a clear and permanent manner with the following information:

Submittor's name or mark	NCR (##)
(also known as Retalix Australia Pty Ltd)	
Serial number or other unique identifier	……...
Pattern approval number	NMI S577

(#) Typical locations, depending on the type of mounting for the operator screen, are shown in Figure 10.

(##) May also be submittor's name or mark of Retalix.

2. Description of Variant 1   provisionally approved on 30/09/13
<div align="right">

approved 25/08/15
</div>

The NCR model 735x (**) Hybrid **self** check out system similar to that described in clause 1.3 but now fitted with a separate customer display, now used as an **attendant-operated** check out facility (Figure 6).

(**)   This is the basic model number which may have suffixes, in the form 735x-xxxx-xx-xx, where x may be any digit 0 – 9 representing non-metrological features.

3. Description of Variant 2   approved on 18/11/14

The NCR model R10 point of sale (POS) system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments. May also be known as Retalix systems of the same models.

3.1 Key Features

Instruments complying with this variant are approved with the same key features as approved for the pattern.

3.2 System Description

The NCR model R10 point of sale (POS) system comprises:

(i) POS Controller

The NCR model R10 controller is an IBM SurePos 700 series model 700-743 or NCR model 82xrt or other equivalent (*) PC-based device that operates a Microsoft Windows operating system running legally relevant R10 Store Suite version R10.5 software which is shown on the **left** margin of the 'Sales' screen of the operator display as illustrated in Figure 7.

The R10 Store Suite software version may alternately be shown as R10 with additional software version V5.xx.xxx as illustrated in Figure 8.

(ii) Electronic Indications

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

An IBM model SurePoint Infra-red Touch computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator (Figure 9).

A Lenovo model L151 computer monitor or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 10).

Information additional to that required by document NMI M7, including totalisation details and product images, may also be indicated.

(*)   '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

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

An IBM SureMark Dual Station model 4610-2NR or equivalent (*) is connected to the controller to provide transaction record printing facility.

3.3   Verification Provision

Provision is made for the application of a verification mark, applied either locally or remotely for certain systems only.

The procedures on how to perform the remote verifications are included in section B of the Test Procedure.

A method to confirm the validity of remote verification is described in section C and section D of the Test Procedure.

4.   Description of Variant 3   approved on 25/08/16

With the pattern as described in clause 1.3 operating R10 Store Suite software

5.   Description of Variant 4   approved on 18/11/14

With the pattern as described clause 1.3 being reconfigured to operate NCR SelfServ software as described in approval NMI **S578**.

These systems may also be remotely verified according to the Test Procedure as described in NMI **S578**

6.   Description of Variant 5   approved on 4/06/18

With a the NCR model R10 Point of Sale system described in Variant 2 to provide an attended self-service facility for compatible (#) approved fuel dispensers for motor vehicles (Figure 12). The fuel dispensers are controlled by the R10 Point of Sale system through the Postec model PCC4 Controller as described in the documentation of approval NMI S398.

The NCR model R10 Point of Sale system now provides point of sale arrangements for other compatible (#) NMI-approved measuring instruments including weighing instruments and also fuel dispensers for motor vehicles.

6.1   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 deliveries only.

•   The system allows up to two transactions per fuel dispenser, i.e. current sale on the fuel dispenser and a stored transaction.

(#)   '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.

- Additional POS consoles may be interfaced for multi-attended self-serve operation.

- The nominal supply voltage is 240 V AC.

6.2   System Description

The NCR model R10 point of sale (POS) system comprises:

(i)   POS Controller

The NCR model R10 controller is an IBM SurePos 700 series model 700-743 or NCR model 82xrt or other equivalent (*) PC-based device that operates a Microsoft Windows operating system running legally relevant R10 Store Suite version R10.5 software which is shown on the **left** margin of the 'Sales' screen of the operator display.

The R10 Store Suite software version may alternately be shown as R10 with additional software version V5.xx.xxx.

Dispenser ('pump') status icons indicate the condition of the fuel dispensers controlled by the Postec PCC4 controller (e.g. 'In use', 'On Hold' or controlled by unattended authorisation device).

(ii)   Forecourt Controller

A Postec PCC4 controller and PIPI as described in the documentation of approval NSC S398, provide interface and data acquisition between the fuel dispensers and the NCR model R10 POS Controller.

(iii)   Electronic Indications

An IBM model SurePoint Infra-red Touch computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator (Figure 13).

A Lenovo model L151 computer monitor or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 14).

(iiii)   Printing Devices

An IBM SureMark Dual Station model 4610-2NR or equivalent (*) is connected to the controller to provide transaction record printing facility.

(*)   '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.

6.3   Verification Provision

Provision is made for the application of a verification mark.

6.4   Descriptive Markings

The POS controller is marked in a clear and permanent manner with the following information:

Submittor's name or mark	NCR
Serial number or other unique identifier	……...
Pattern approval number	NMI S577

7. Description of Variant 6   **approved on 01/07/19**

With the POS Controller as described in Variant 2 now operating R10 Store Suite version R10.10 software which is shown on the left margin of the 'Sales' screen of the operator display as illustrated in Figure 15.

8. Description of Variant 7   **approved on 28/01/21**

With the POS Controller described in Variant 6 now operating R10 Store Suite version R10.14 software. The software version is similarly shown on the left margin of the 'Sales' screen of the operator display, as illustrated by Figure 15 demonstrating software version location in Variant 6.

9. Description of Variant 8   **approved on 12/01/23**

With the POS Controller described in Variant 6 now operating R10 Store Suite version R10.22.x software. The software version is similarly shown on the left margin of the 'Sales' screen of the operator display, as illustrated by Figure 15 demonstrating software version location in Variant 6.

The R10 Store Suite software may also be described as Emerald GX software.

TEST PROCEDURE No S577

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, 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 is NOT applicable for the pattern and has only been approved for use at certain stores, namely Coles and Woolworths branded supermarket divisions (including Woolworths Metro), and Thomas Dux.

C. Confirmation of Remote Verification for Coles and Bilo stores

D. Confirmation of Remote Verification for Woolworths branded supermarket divisions (including Woolworths Metro), and Thomas Dux.

E. For variant 5 (fuel POS systems) in which case a physical verification label shall be applied to the instrument

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**
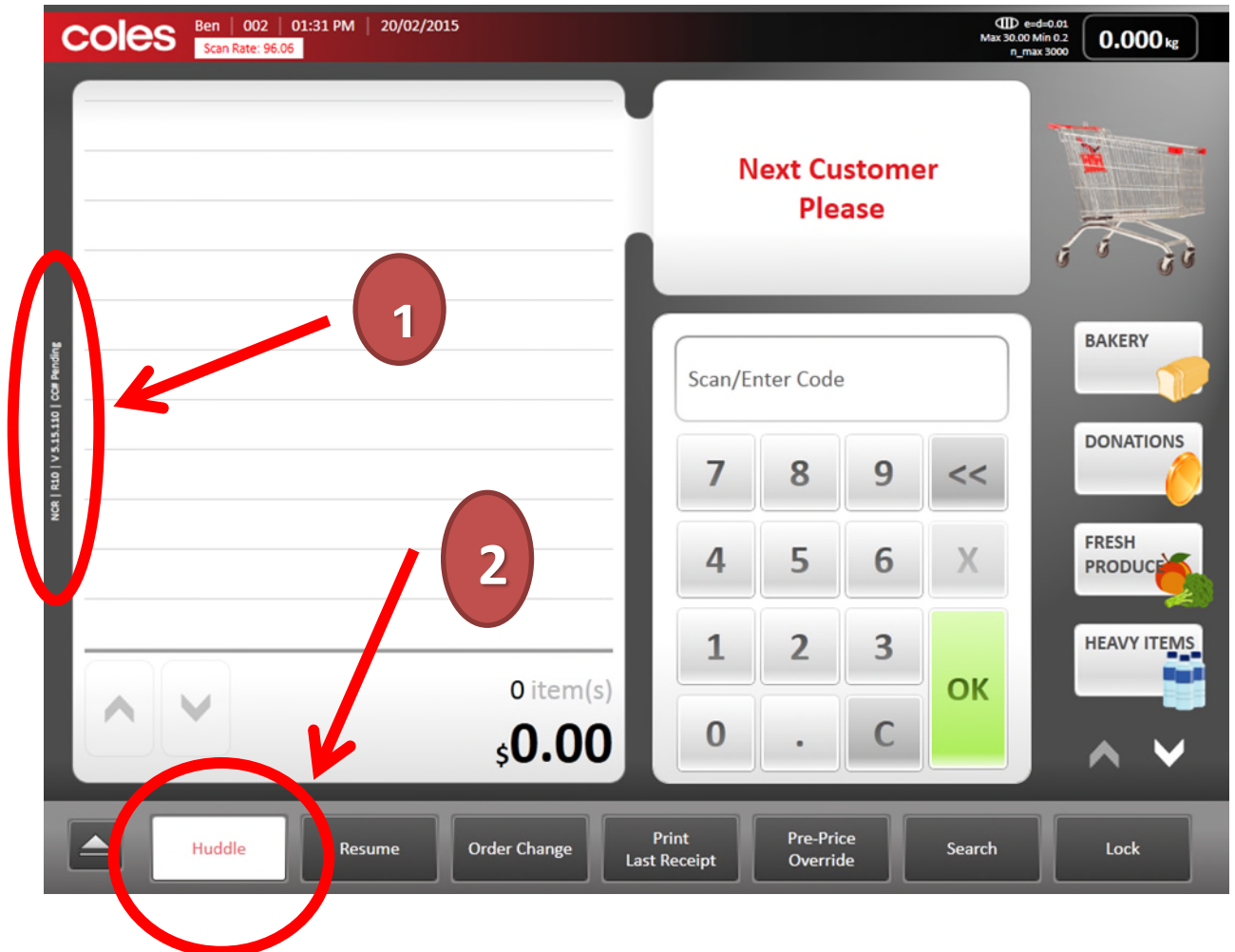
A1. Check the software version number/s.

A2. 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.

A3. 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.

A4. Perform a measurement with a preset tare applied and confirm that the POS system correctly calculates and indicates a net measurement result.

A5. Manually enter some pre-determined measurement data and ensure that the printed transaction record clearly indicates the transaction as such.

A6. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.

A7. Ensure that electronic indications (#) and printed information are in accordance with document NMI M7.

(#) Note: The pattern may NOT meet the requirements of clause 6.1.3 in document M7 in regard to the height of measurement information.

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.**

B1. Check the software version number/s.

B2. 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.

B3. 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.

B4. Perform a measurement with a preset tare applied and confirm that the POS system correctly calculates and indicates a net measurement result.

B5. Manually enter some pre-determined measurement data and ensure that the printed transaction record clearly indicates the transaction as such.

B6. Ensure that electronic indications and printed information are in accordance with document NMI M7.

B7. Verification of the 'live' pilot site will be performed using the Local Verification Process.

B8. NCR's (formerly Retalix's) software development team will create an electronic version of the 'live' pilot verification details in the format in item C5 below.

B9. This electronic version will be accessible from every store so that confirmation of the remote verification is possible using the procedure outlined in C below.
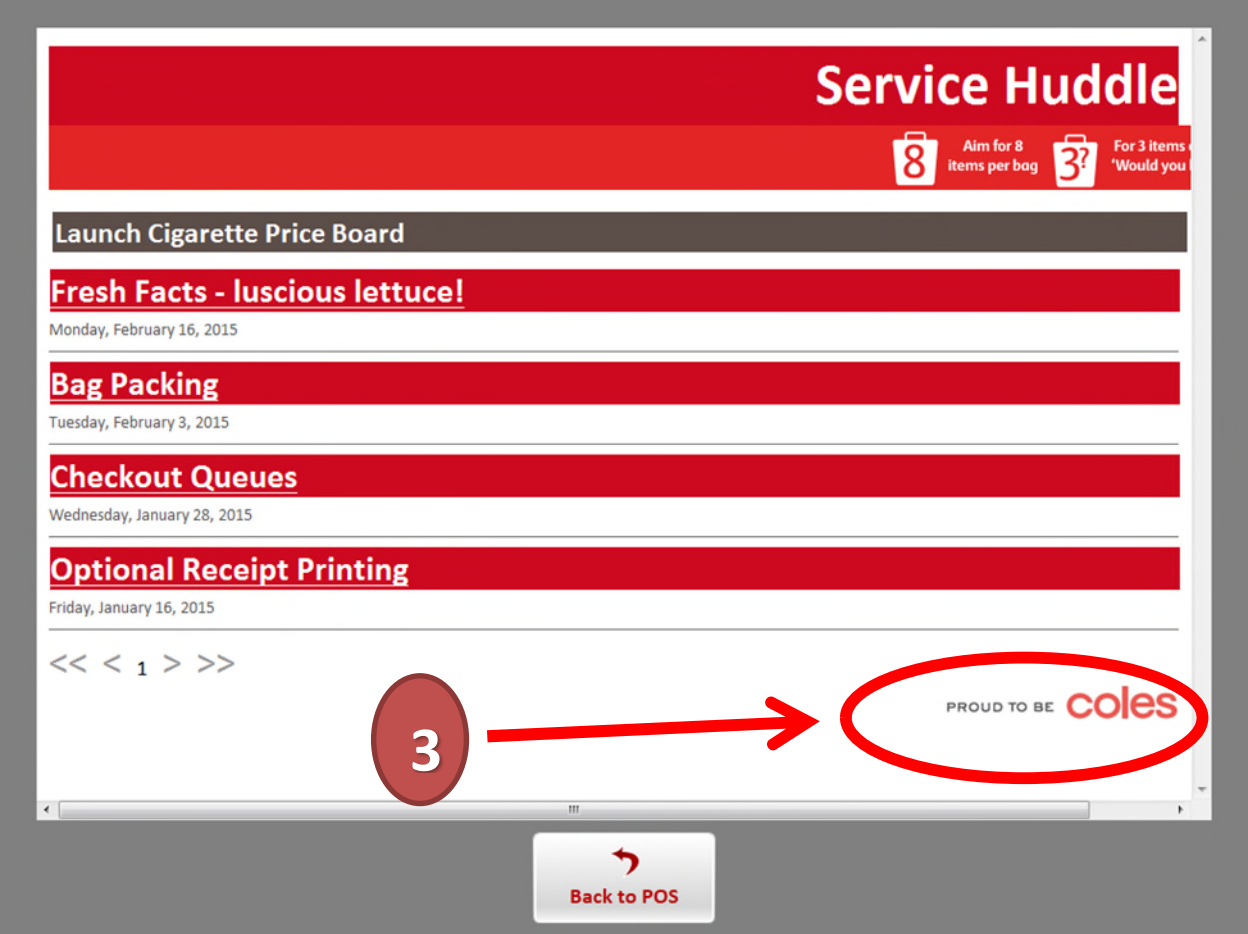
C. Confirming That a Remote Verification has Been Performed Coles and Bilo stores

C1. A store manager will log into the POS instrument for the verification person. The current POS software version will be displayed at the left of the screen.
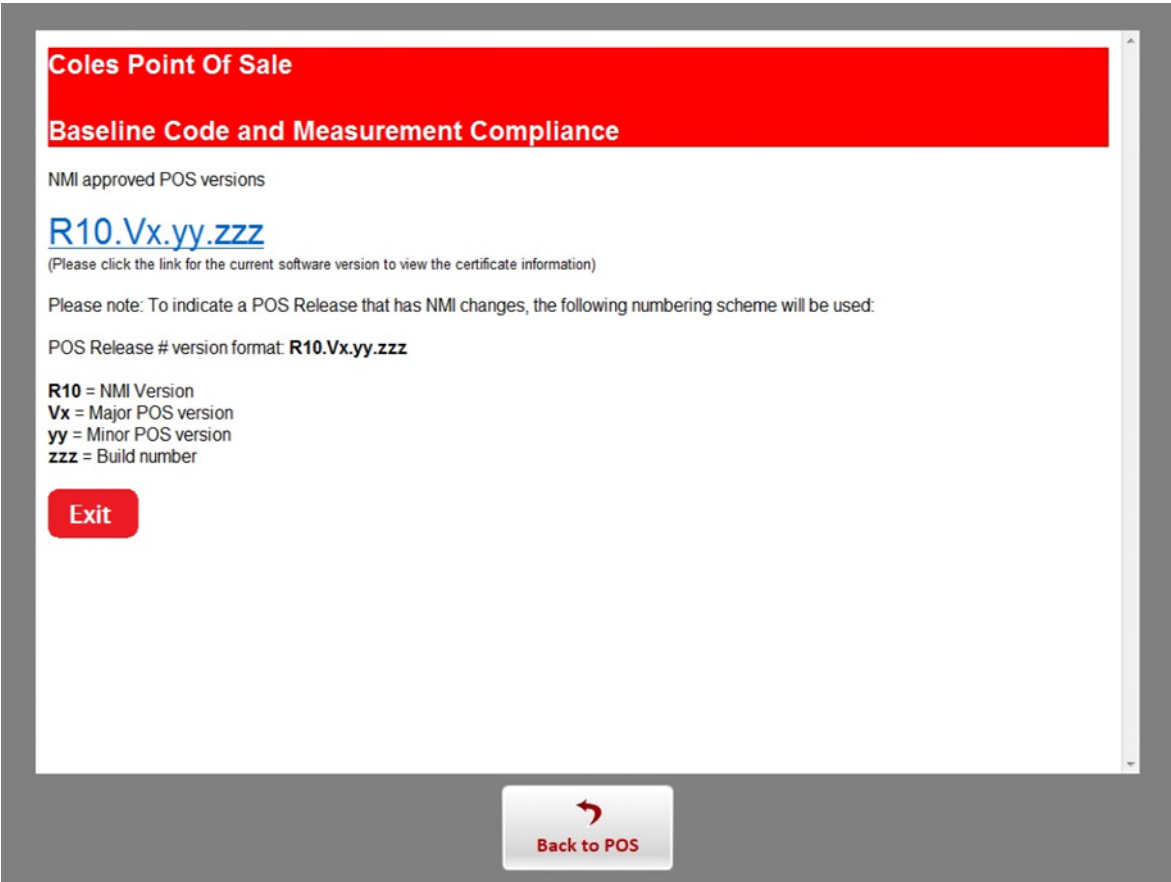

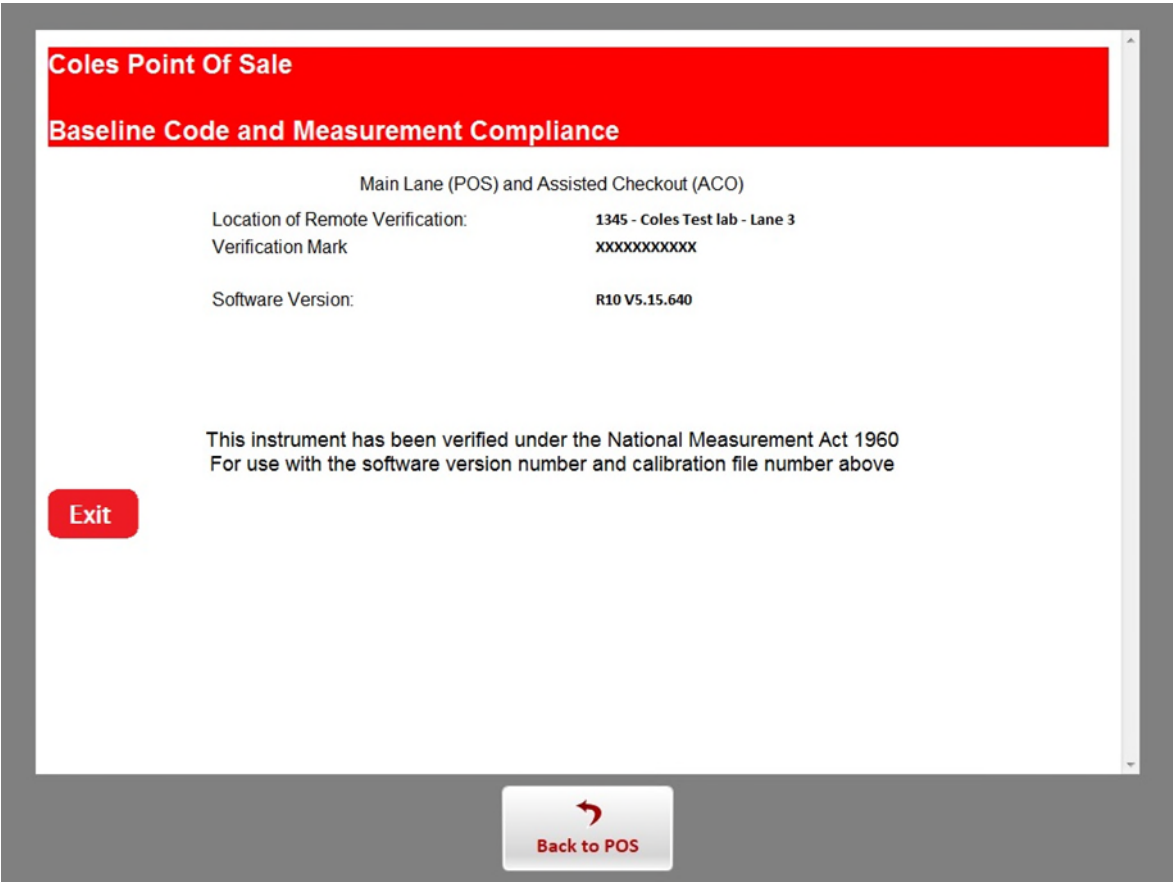C2. Click the Huddle button (before a transaction has started) to view the Huddle screen.

C3.   Click the Coles logo to view *verification* information

C4.   The approved POS software version number can be seen on this screen

Coles Point Of Sale

Baseline Code and Measurement Compliance

NMI approved POS versions

R10.Vx.yy.zzz
(Please click the link for the current software version to view the certificate information)

Please note: To indicate a POS Release that has NMI changes, the following numbering scheme will be used:

POS Release # version format: **R10.Vx.yy.zzz**

R10 = NMI Version
Vx = Major POS version
yy = Minor POS version
zzz = Build number

Exit

Back to POS

C5.   Store/instrument specific certification information can be seen on this screen (note: this is an example only)

Coles Point Of Sale

Baseline Code and Measurement Compliance

Main Lane (POS) and Assisted Checkout (ACO)

Location of Remote Verification: 1345 - Coles Test lab - Lane 3

Verification Mark   XXXXXXXXXXX

Software Version: R10 V5.15.640

This instrument has been verified under the National Measurement Act 1960
For use with the software version number and calibration file number above

Exit

�
Back to POS

D. **Confirming That a Remote Verification has Been Performed** Woolworths branded supermarket divisions (including Woolworths Metro), and Thomas Dux.

D1. A store manager will log into the POS instrument for the verification person. The current POS software version will be displayed at the left of the screen.
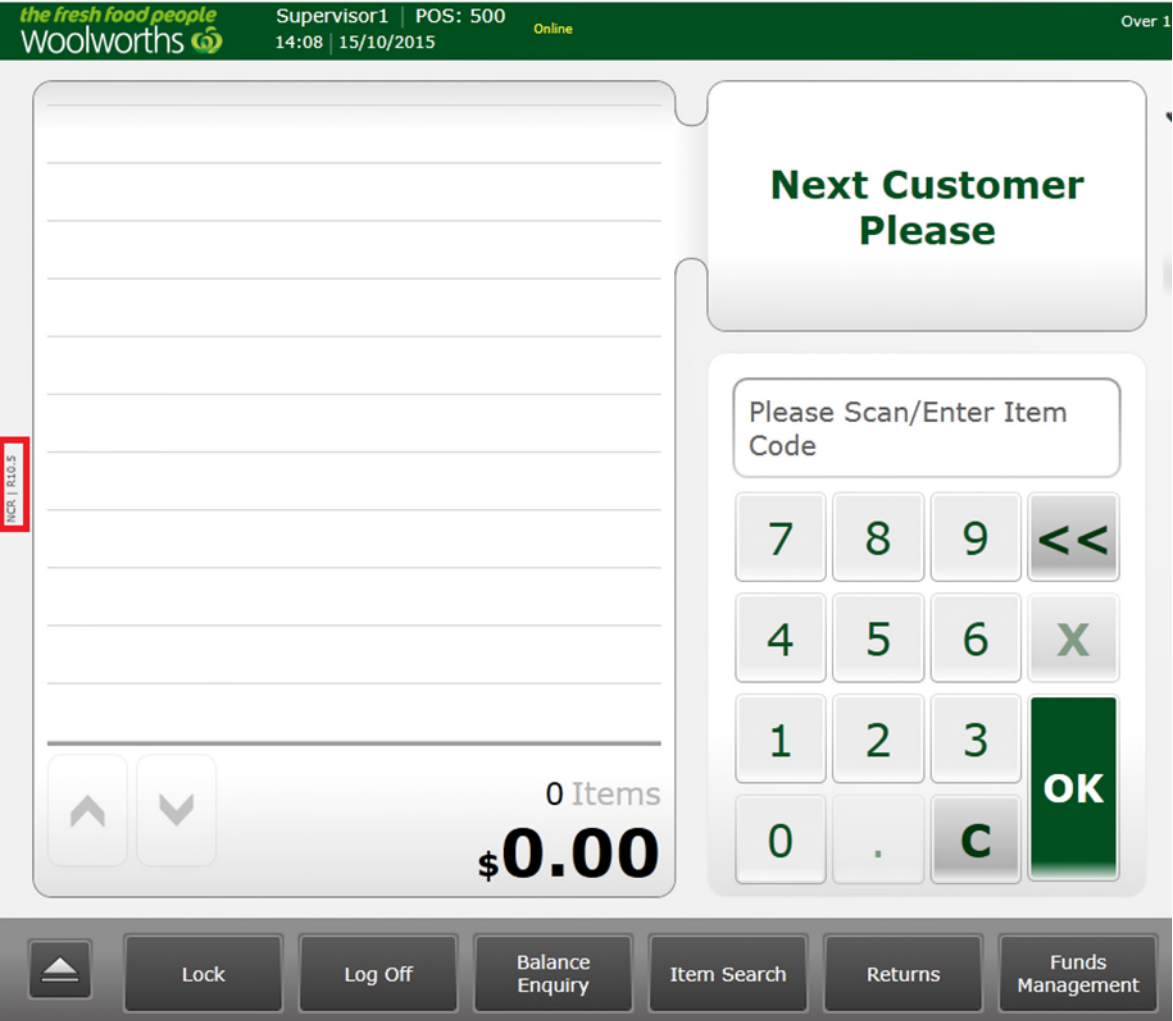
D2.   From 'No sale' mode select **additional menu** button.
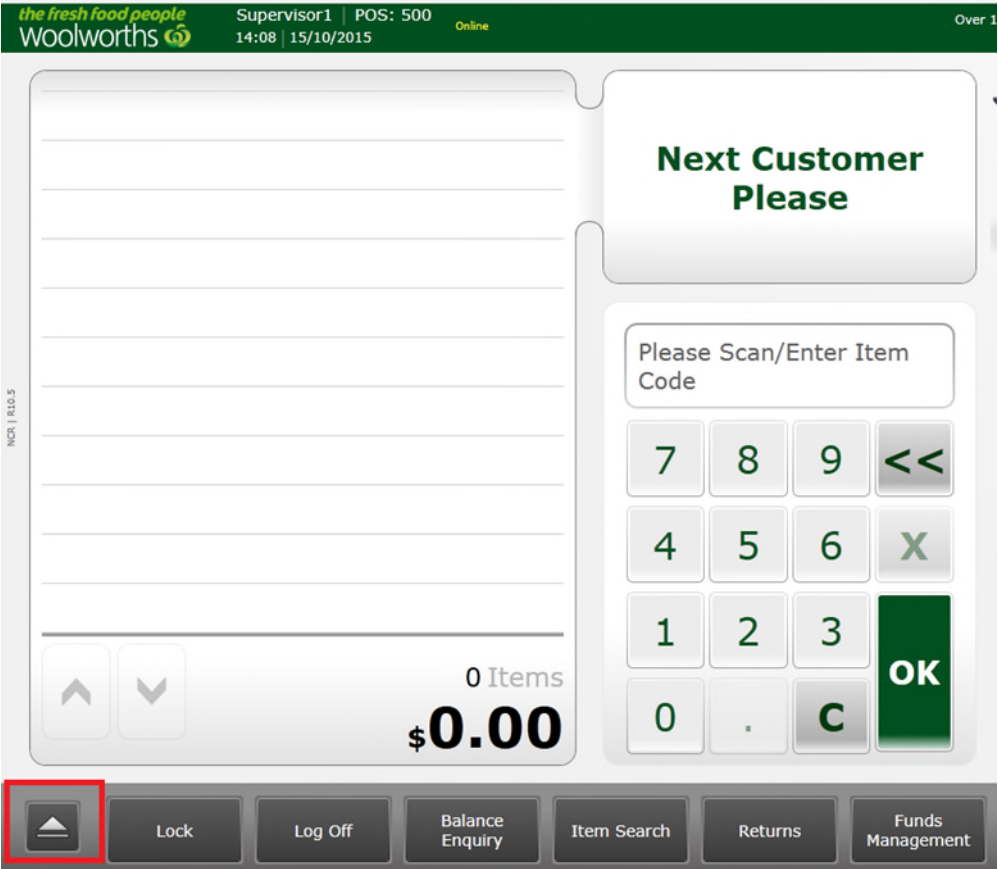
D3.   Additional menu is displayed. Select the '**Software Verification**' button.
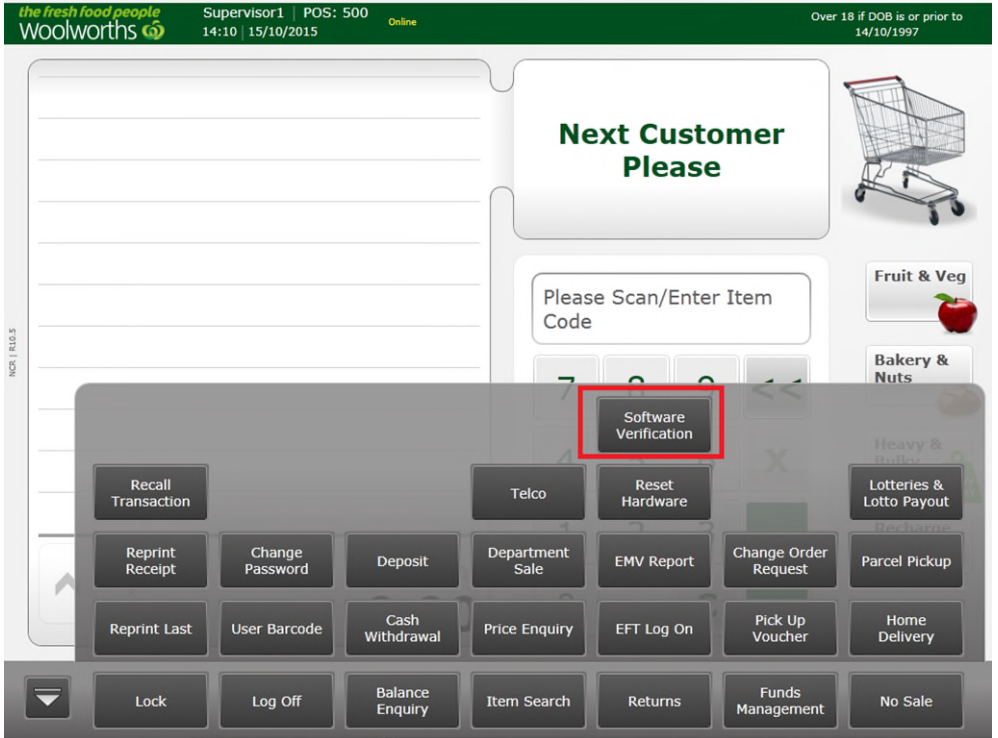
D4. The **Remote Verification Mark** is displayed
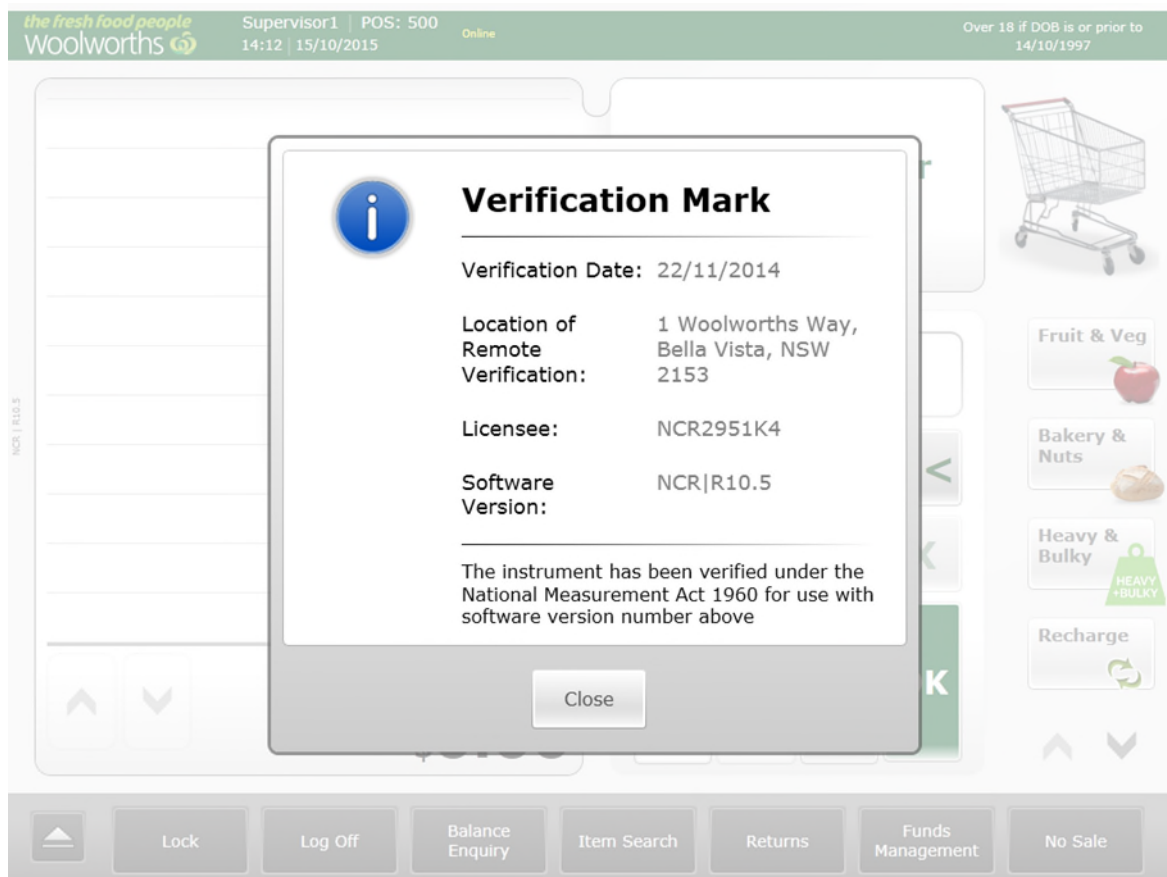
E. For variant 5 (fuel POS systems) – the following shall be carried out on each POS system at the location where it is being used with the public

A1. Check the NCR model R10 software version number.

A2. Check that the unit price change for the grade of fuel is implemented to the allocated fuel dispensers when they are available for authorisation.

A3. Check that the system identifies, displays and prints the correct data for the corresponding number allocated to the fuel dispenser.

A4. Authorise a delivery and check that the delivery details on the fuel dispenser agree with the receipt obtained.

A5. Check that when the PIPI is disconnected from Postec PCC4 controller (simulation of fault), the fuel dispenser cannot be authorised for a second delivery unless the transaction for the first delivery has been completed.

FIGURE S577 – 1
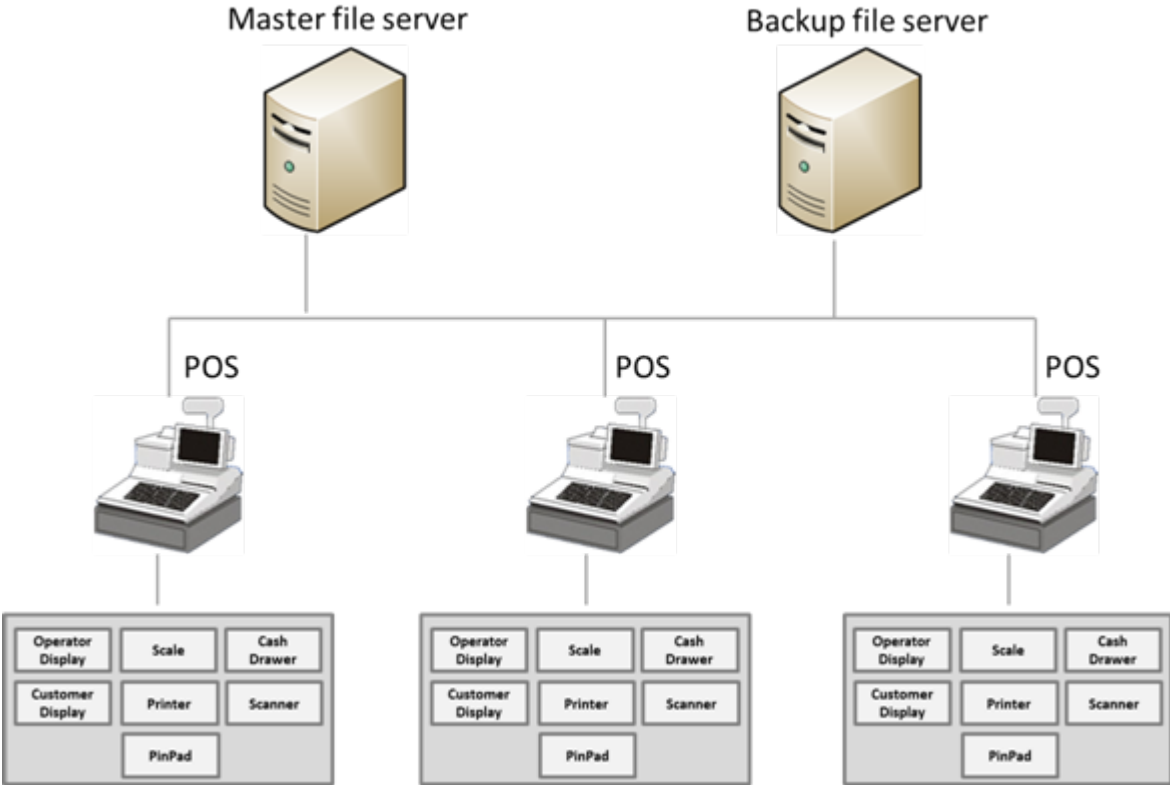
NCR (aka Retalix) Model StoreLine Point of Sale (POS) System

FIGURE S577 – 2

(Note: Self check out systems, require an authorised person to access the 'sign off' mode)

To find the Scale Calculations Component software version:

(a)   From the 'Sign off' mode select the '**MENU**' button

(b)   The **Menu** screen is displayed. Select the '**SCALE VER**' button
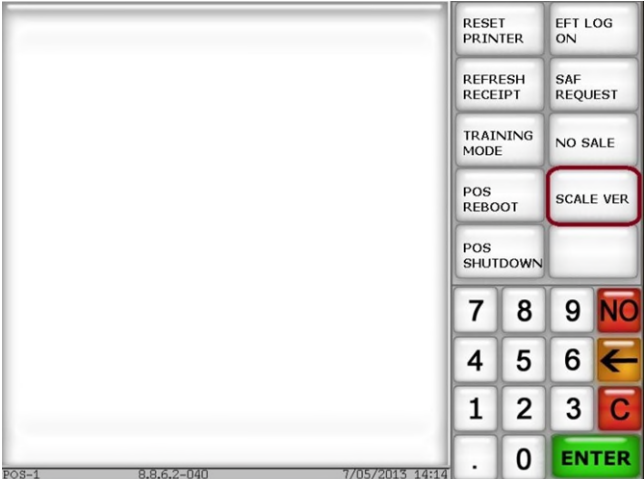
(c)   The **Scale Calculations Component Version** is displayed
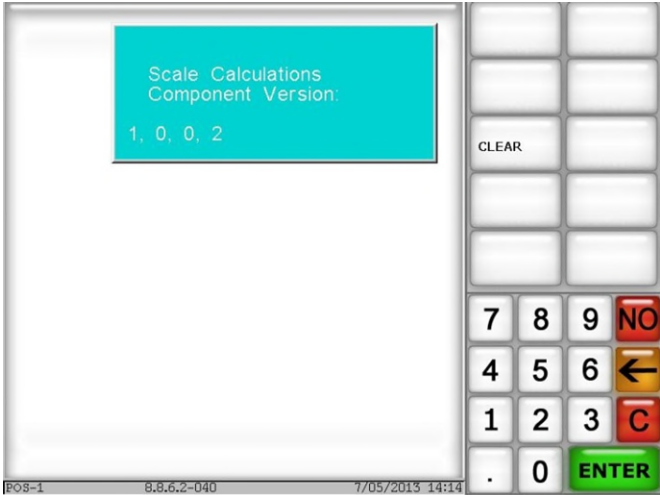
Method of Displaying the Software Version Number

FIGURE S577 – 3
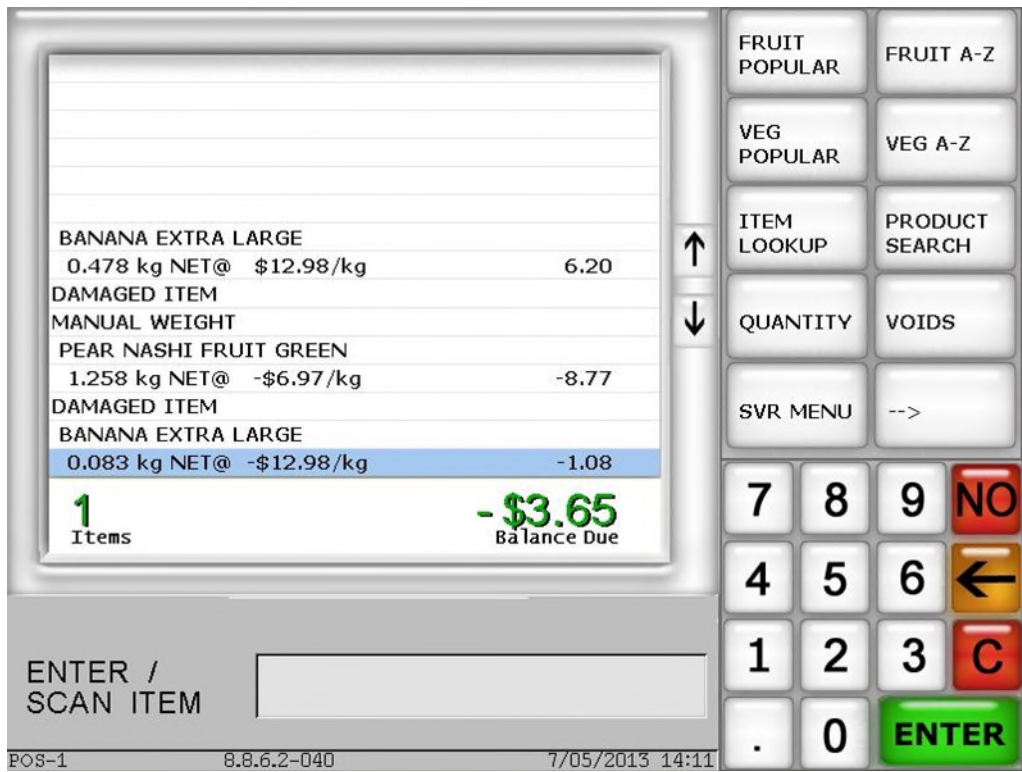
Typical Operator Display

FIGURE S577 – 4

Typical Customer Display (only the last three transaction items shown)

FIGURE S577 – 5
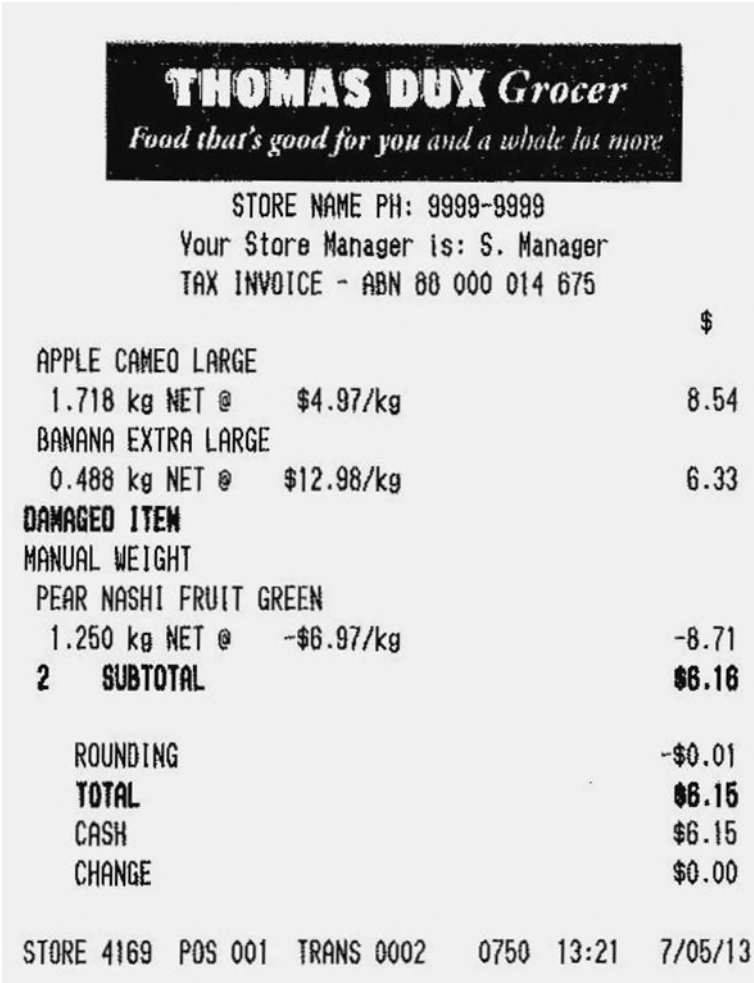
A Typical Receipt

FIGURE S577 – 6
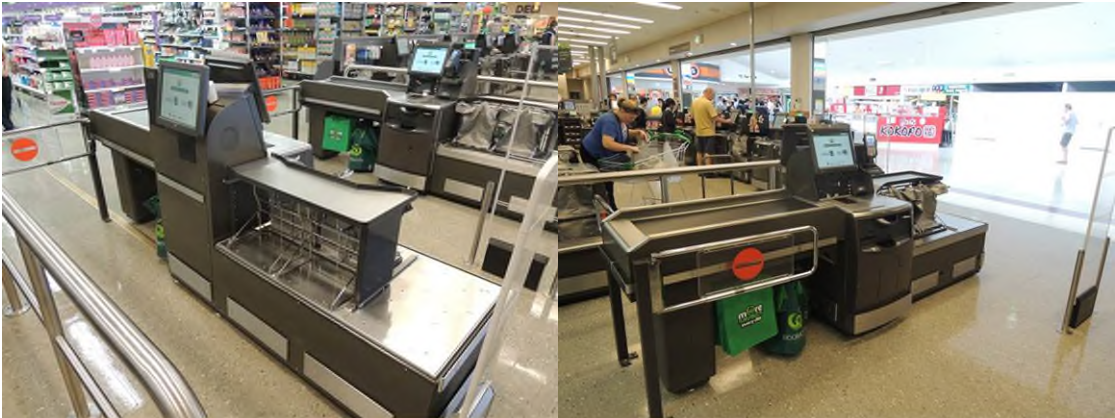
Typical NCR model 735x (**) Hybrid system (variant 1)

FIGURE S577 – 7
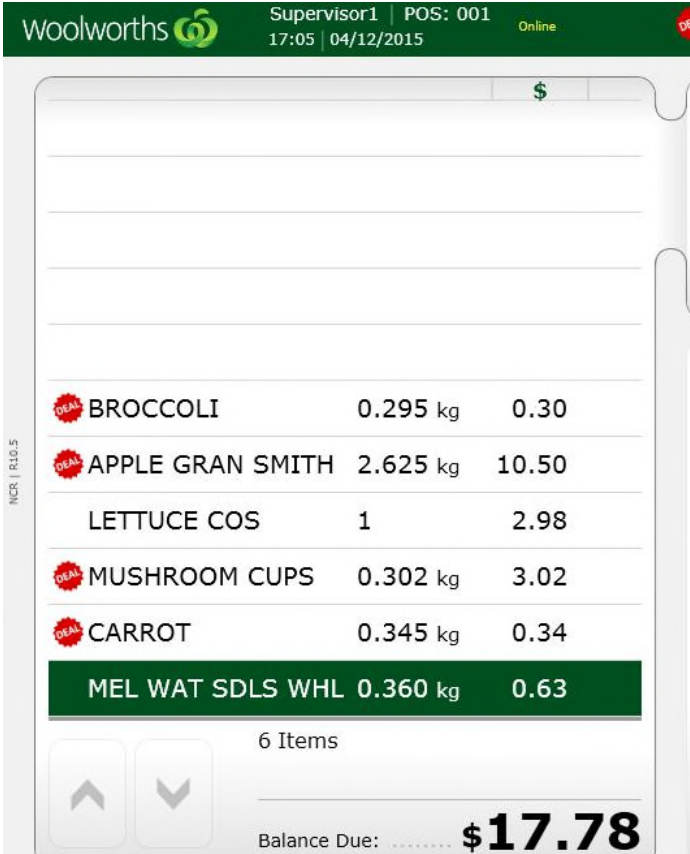
Operator display showing software version R10.5 on the left margin (zoomed in for clarity)

FIGURE S577 – 8

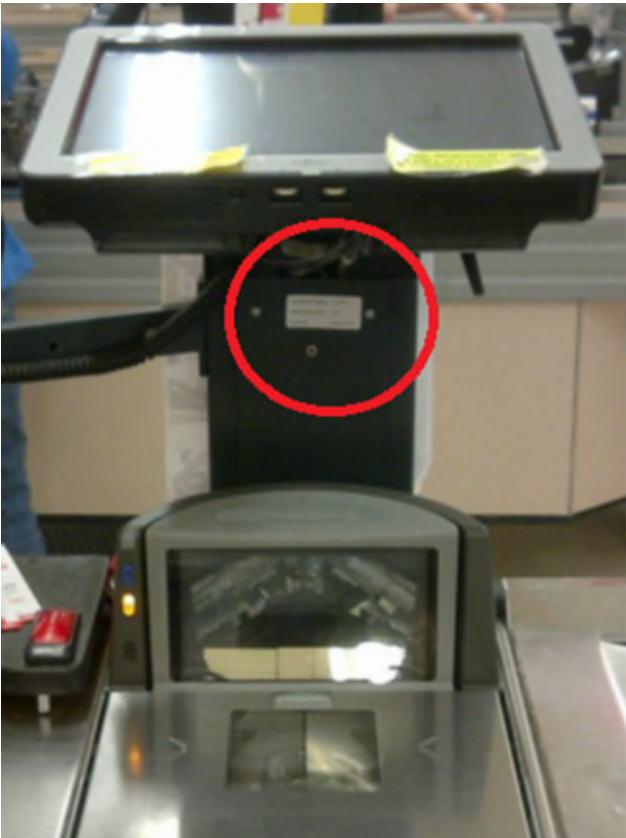Alternative software version number display with separate sub version

FIGURE S577 – 9
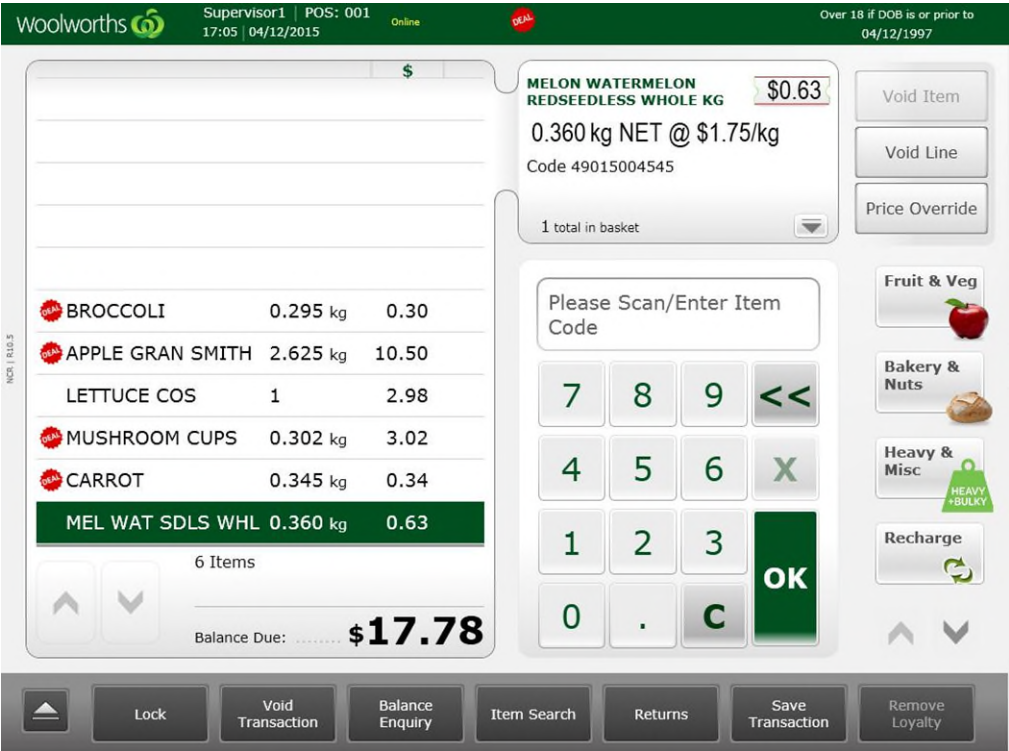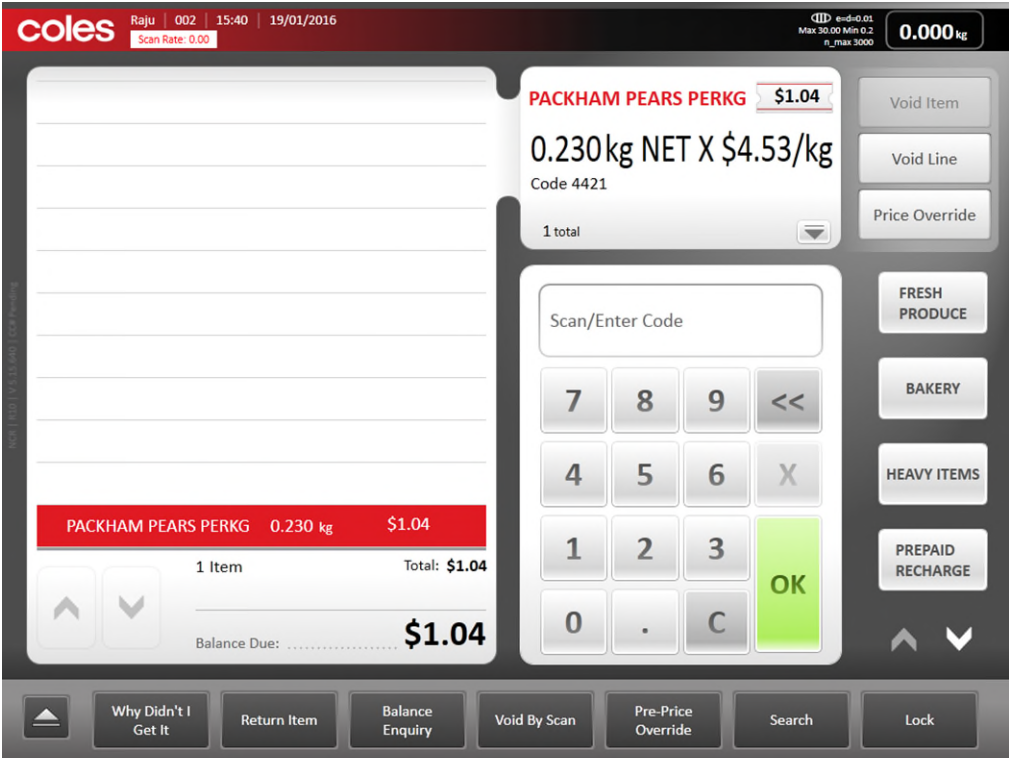
Typical Operator Display Formats

FIGURE S577 – 10
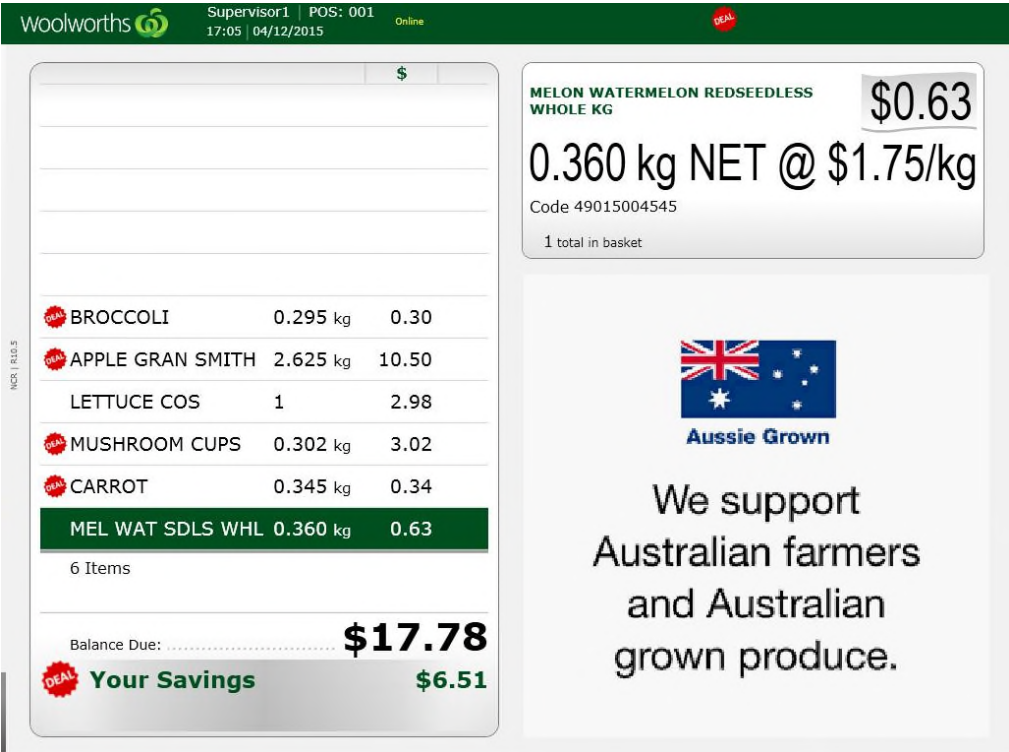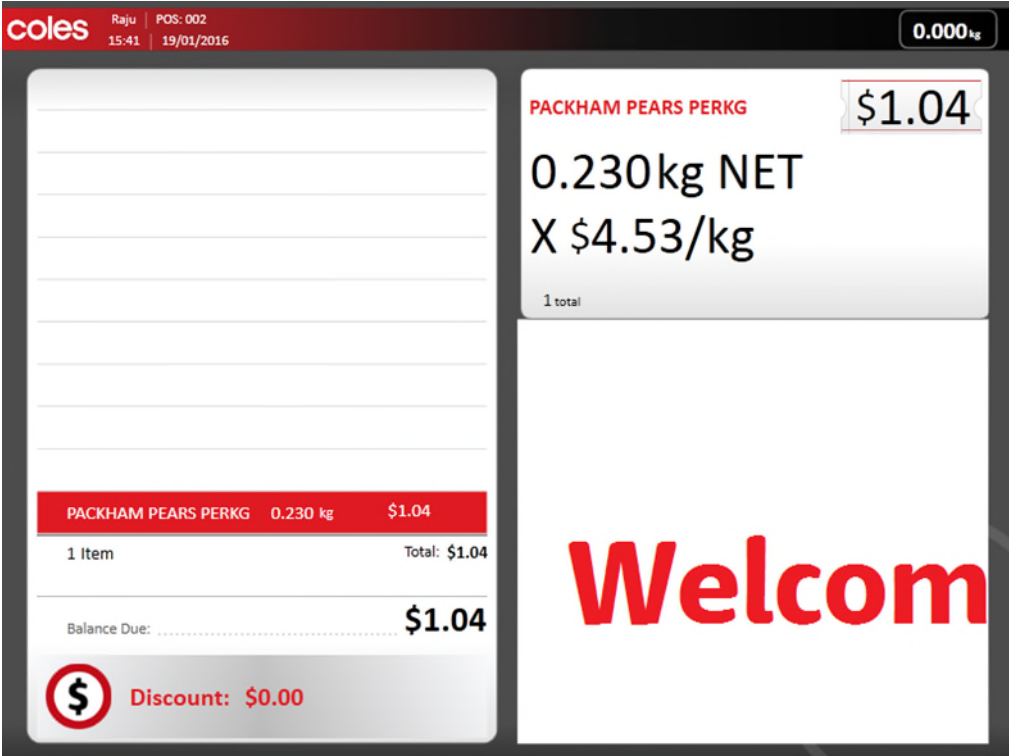
Typical Customer Display Formats

FIGURE S577 – 11

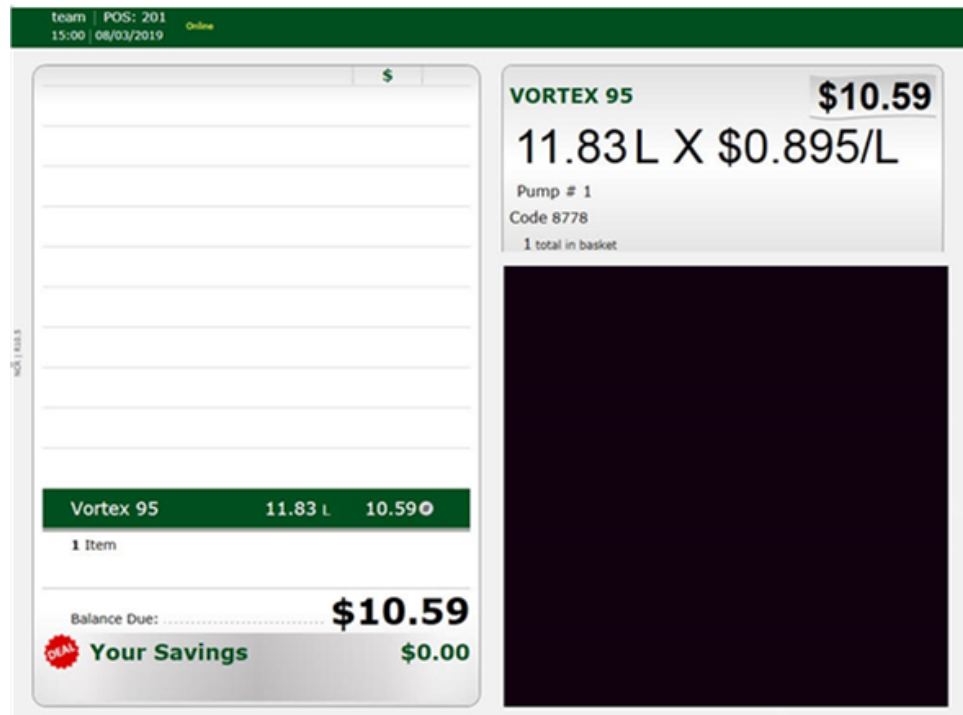Typical Locations of Descriptive Markings

FIGURE S577 – 12
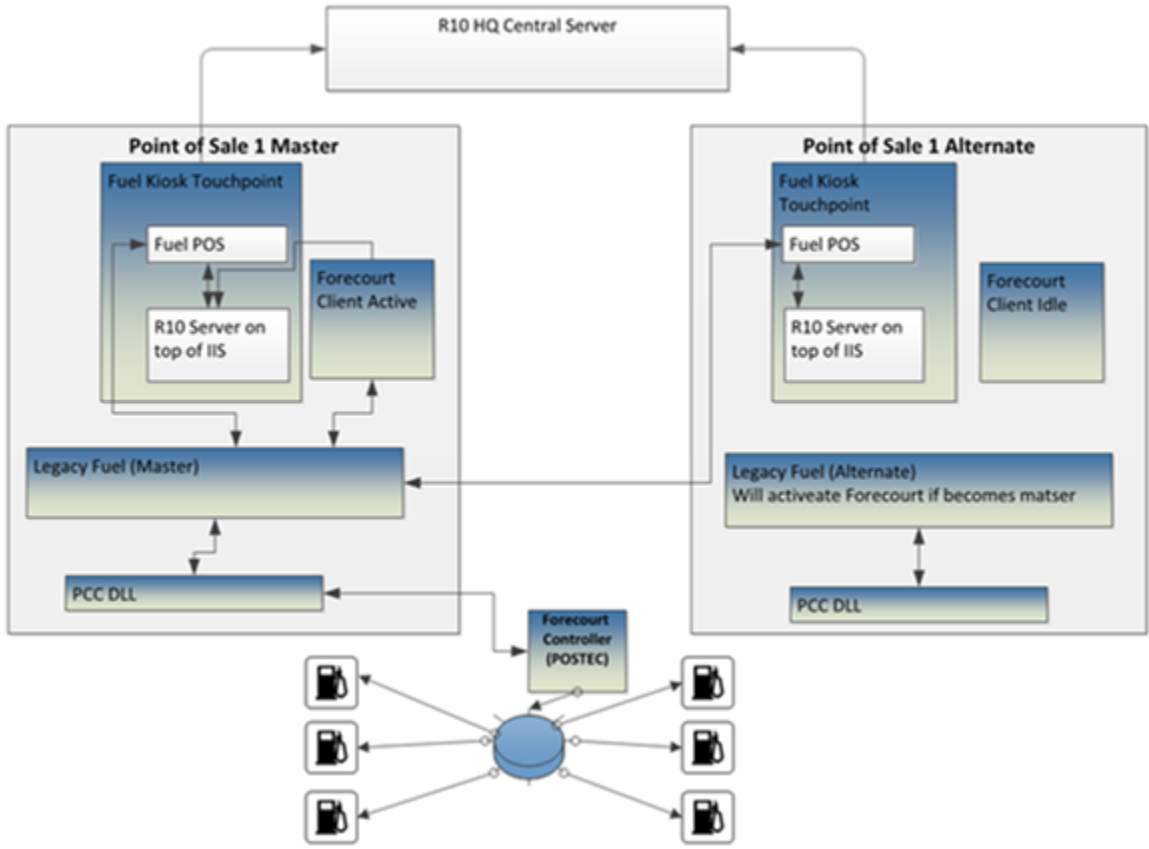
NCR model R10 Point of Sale system for Fuel Dispensers for Motor Vehicles
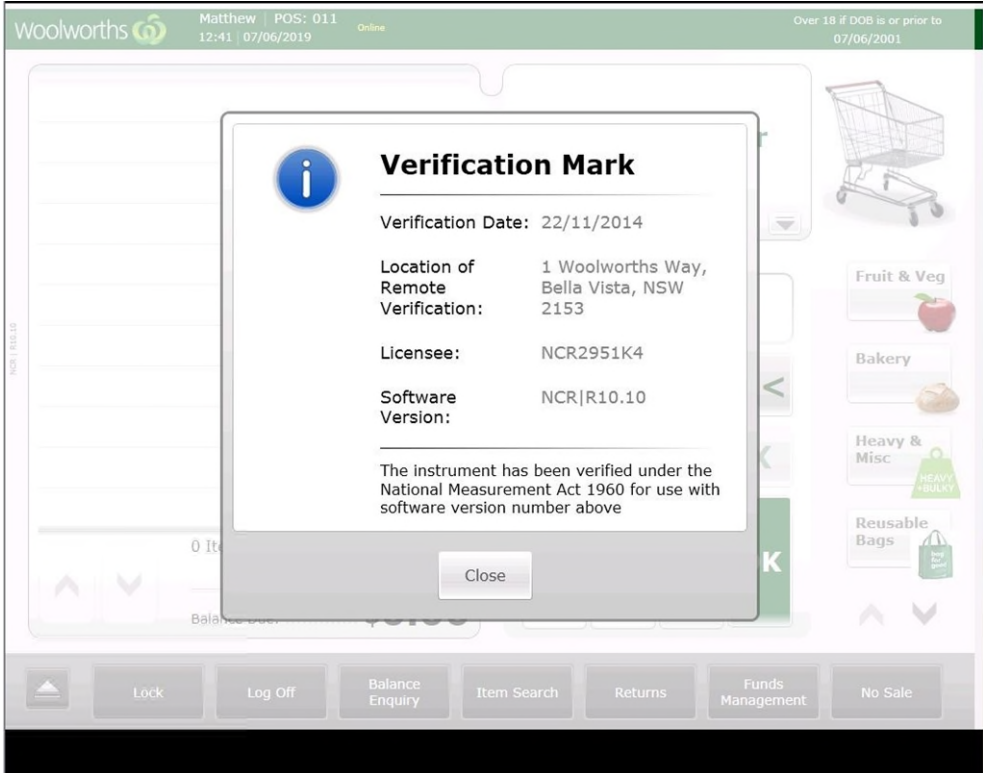(Variant 5)
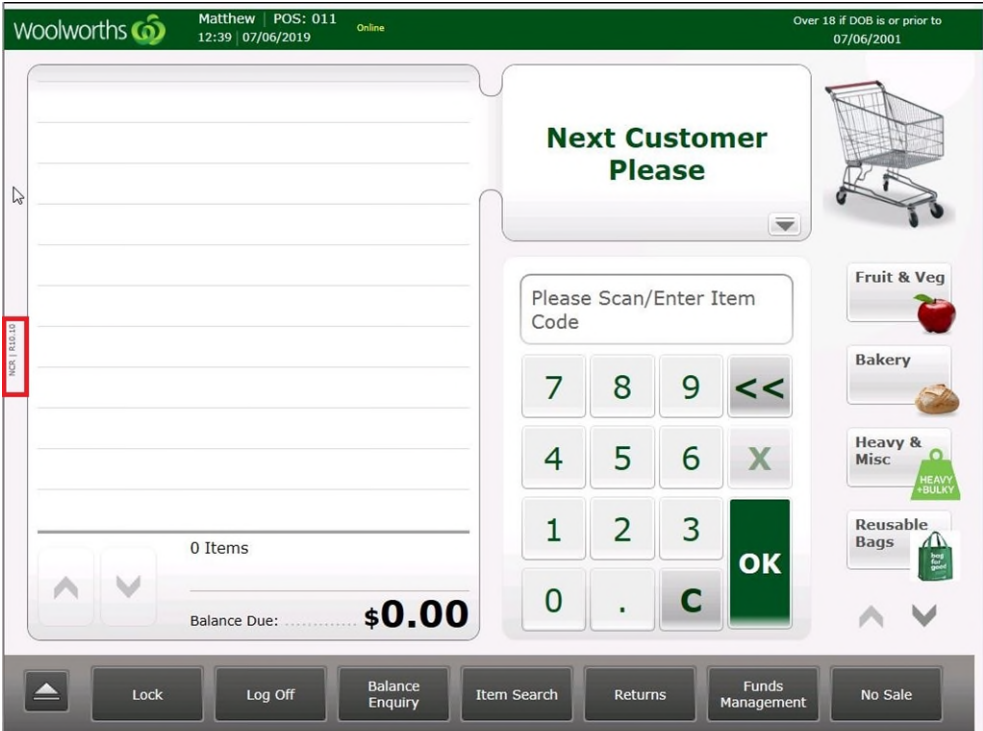
FIGURE S577 – 13
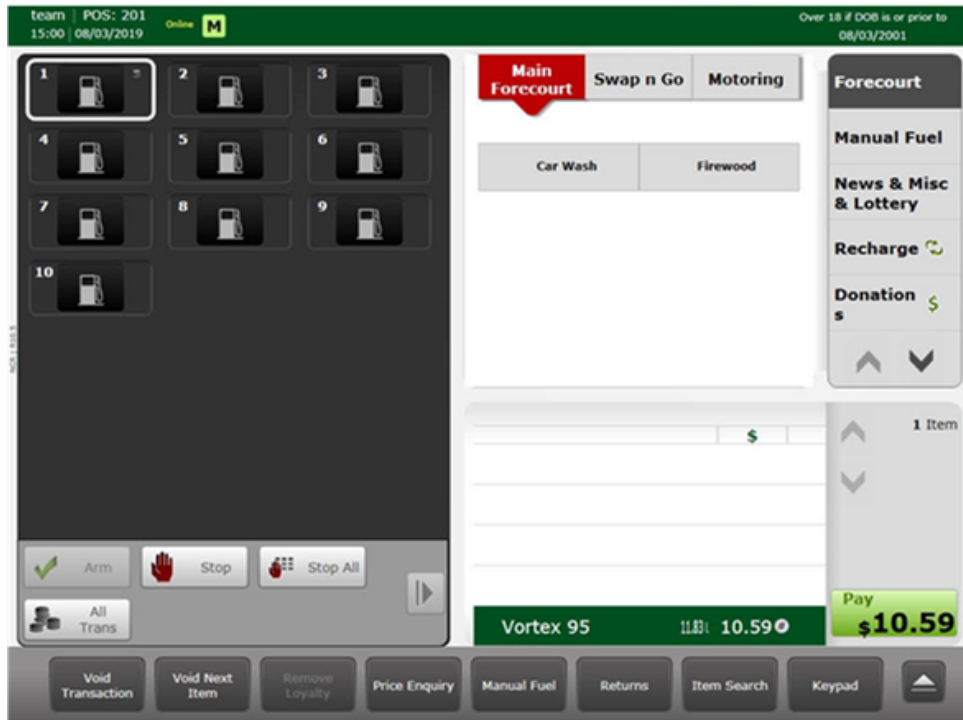
Typical Operator Display Formats (Variant 5)

FIGURE S577 – 14

Typical Customer Display Formats

FIGURE S577 – 15

Typical Operator Display for Software Version R10.10 (Variant 6) and Updated
Remote Verification Mark (Test Procedure Test D)

~ End of Document ~