Australian Government

Department of Industry, Innovation and Science

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

NMI S627

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.

AWS Model EZYWeigh Point of Sale (POS) System

submitted by   AWS (Aussie Weighbridge Systems) Pty Ltd
Trading as Weigh-More Solutions
Unit 9/160 Hartley Road
Smeaton Grange   NSW   2567

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 M7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

This approval becomes subject to review on **1/04/19**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	14/03/13
1	Pattern amended (validity date) – interim certificate issued	10/09/13
2	Pattern approved – interim certificate issued	19/03/15
3	Pattern approved – certificate issued	29/03/18

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S627' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS627' may be re-marked 'NMI S627' 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.

Special Conditions of Approval: (weighbridges)

The pattern has not been assessed for compliance with requirements which are outside the scope of document NMI M7, including those features which control the automation of weighbridge operation, or ticket formats for public weighbridges, or 'axle weighing' or 'end-and-end weighing'.

This Certificate does not constitute or imply approval for these functions. Details of these requirements can be found on the NMI website.

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
Pattern Approval, Policy and
Licensing Section

TECHNICAL SCHEDULE No S627

## 1.	Description of Pattern provisionally approved on 14/03/13
                                                                         approved on 29/03/18

An AWS model EZYWeigh 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 when connected to NMI-approved measuring instruments fitted with a Rinstrum model R420 digital indicator (approval NMI S463) 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.

*	Manually entered measurement data 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, to accumulate and retrieve management information including information pertaining to pricing, material codes, vendor details, etc.

(#)	'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 AWS model EZYWeigh point of sale (POS) system (Figure 1) comprises:

### (i)	POS Controller

The EZYWeigh POS is a built in software module that provides the measurement functionality to an application software. The application software must not cause the system to incorrectly indicate measured quantity or price.

The AWS model EZYWeigh POS controller comprises a Advantec model ARK-5260 or equivalent (*) PC-based device that operates a Microsoft Windows-based operating system running AWS version 5.1.3 H-14 software.

### (ii)	Electronic Indications

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

An LG computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator and the customer (Figure 2).

(iii)   Printing Devices

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

A Citizen model TM88 printer or equivalent (*) is connected to the controller to provide transaction record printing facility. A typical record is shown in Figure 3.

Note: Tickets have NOT been assessed for compliance with the requirements for Weighbridge Measurement Tickets as given in relevant Licensing Directives published on the NMI website.

(*)   '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)   Multiple Instruments Facility

The AWS model EZYWeigh POS system may be connected to up to two (2) approved measuring instruments. The POS system is configured to display which measuring instrument is connected.

The measuring instrument to be used is preselected by the operator when they log into the EZYWeigh application.

Note: In the case of this feature, each instrument/combination shall be clearly identified to correspond to the appropriate measuring instrument display shown on the POS system display. NMI trade measurement authorities may require additional markings or signs to ensure that these relationships are clear.

(v)   Truck Weighing Functions

Providing functions intended specifically for truck weighing applications, including provision for 'truck and product' identification data to be stored in memory.

The truck weighing functions provide for:
•   simple vehicle weighing, where the gross weight of a vehicle is determined by a single weighing;
•   first/second weighing, where a vehicle is weighed before and after a loading or unloading operation;
•   function keys programmed to perform various functions (such as accessing and searching stored vehicle, item, product or client information).

(vi)   Additional System Facilities

The system may include additional peripheral devices including but not limited to barcode scanning devices, RFID card readers, driver control stations, programmable logic controllers (PLC), input/output controllers, video surveillance cameras, video overlay devices and other plant/site-specific control systems. The facilities shall not interact with the system in a way that would cause an incorrect indication of the measured quantity or price.

The AWS model EZYWeigh software module is also intended to be used for weighing operations using small platform weighing instruments used to weigh small amounts of scrap material.

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 S627

TEST PROCEDURE No S627

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

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.
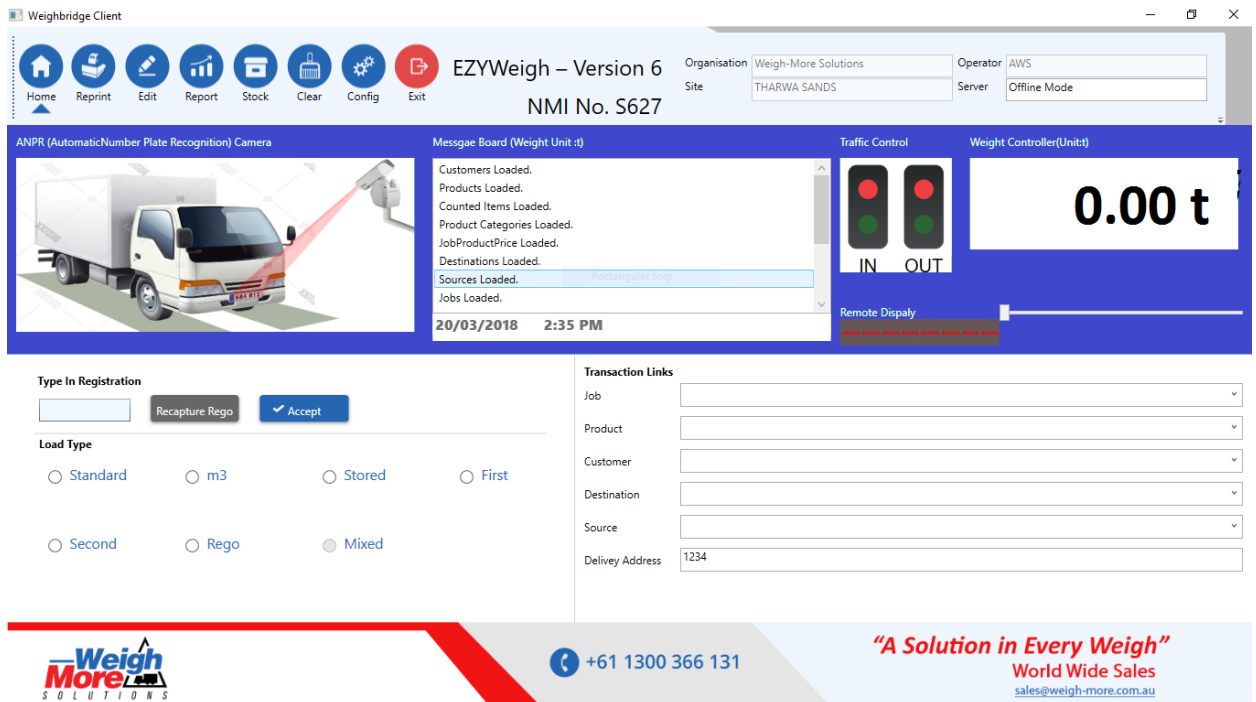
FIGURE S627 – 1
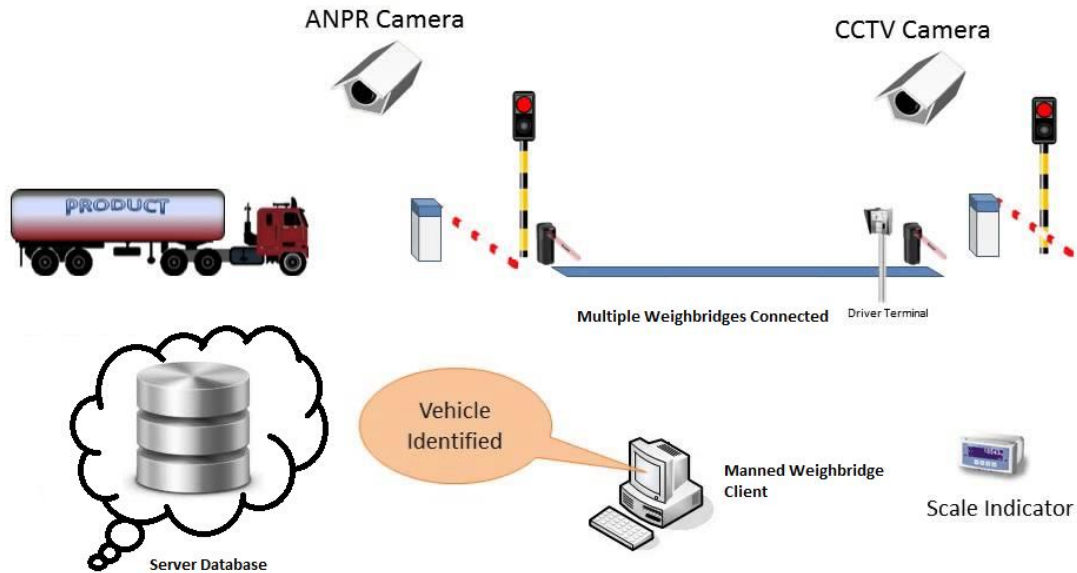
AWS Model EZYWeigh Point of Sale (POS) System

FIGURE S627 – 2

Typical Operator Display

FIGURE S627 – 3

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Tax Invoice (Reprint)

Weigh-More Test Company
Demo Street,
WALLAROO NSW 2618
PHONE        : 0400 039 837
ABN          : 00 000 000 000

Docket No.   : 17020
Load Type    : StoredTare
Operator     : Jennie
Rego No.     : YTN648
Date/Time    : 10/12/2017 1:29:11 PM
Customer     : WR MOORE TRUCK & BOBCAT HIRE
Direction    : IN
Source       : NA
Destination  : NA
Product      : C1 LANDFILL

Gross        : 19.00t
Tare         : 10.28t (Stored)
Net          : 8.72t

Price/t      : $70.00
Min. Cost    : $0.00
Total        : $610.40
GST          : $55.49
Amount Due   : $610.40
Paid By      : ACCOUNT
```

A Typical Receipt

~ End of Document ~