Australian Government
Department of Industry, Innovation and Science

National Measurement Institute

# Interim
# Provisional
# Supplementary Certificate of Approval
# NMI PS729

**VALID FOR VERIFICATION PURPOSES UNTIL 17 October 2017**

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.

Wimmera Software Development Model Grainsoft Point of Sale (POS) System

submitted by Wimmera Software Development Pty Ltd
110 Natimuk Road
HORSHAM VIC 3400

**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.

DOCUMENT HISTORY

| Rev | Reason/Details | Date |
|---|---|---|
| 0 | Pattern provisionally approved – interim certificate issued | 17/10/16 |
| | | |

CONDITIONS OF APPROVAL

## General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI PS729' and 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 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 to end weighing'.

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

## Special Conditions of Approval: (Provisional Approval)

The locations or serial numbers of instruments may be obtained from the National Measurement Institute. The submittor shall advise NMI in writing of the proposed location or serial number of each instrument prior to it being initially verified.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI PS729' and only by persons authorised by the submittor. (Note: The 'P' in the approval number may be a temporary marking.)

The approval will remain provisional pending completion of satisfactory testing and evaluation.

In the event of unsatisfactory performance the approval may be cancelled (or altered).

The submittor shall implement such modifications as required by NMI. In the event that such modifications (if any are required by NMI) are not made to the satisfaction of NMI, this approval may be withdrawn.

## 1. Description of Pattern provisionally approved on draft/16

A Wimmera Software Development model Grainsoft 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 Bilanciai model D800 digital indicator (approval NMI S429) or other compatible (#) NMI-approved measuring instruments.

- Manually entered measurement data shall be indicated as such on a printed transaction record.
- The system is able to apply a tare value up to the maximum capacity of the approved measuring instrument. Preset tare values may be keyboard-entered or stored.
- The POS controllers may be connected in a network to share common data, to accumulate and retrieve management information including information pertaining to pricing, material codes, vendor details, etc.

Note: The measurement data processed by the Grainsoft system may be exported for the purposes of determining prices according to existing agreements. These arrangements are not assessed to the requirements of NMI Document M7

(#) '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 Wimmera Software Development model Grainsoft system comprises:

#### (i) POS Controller

The Grainsoft POS controller is a PC-based device that operates a Microsoft Windows-based operating system running Grainsoft version 2.x.x.xx software. The Grainsoft version number is displayed in the Help-About Dialog box.

#### (ii) Electronic Indications

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

A Dell computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator and the customer.

Note: There is no M7 compliant customer display fitted to the POS system

#### (iii) Printing Devices

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

A Xerox DocuPrint C2100 printer or equivalent (*) is connected to the controller to provide transaction record printing facility.

Note: Tickets have NOT been assessed for compliance with the requirements for Weighbridge Measurement Tickets as given in relevant Licensing Directives of the trade measurement section of NMI as 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 Grainsoft POS system may be connected to up to 4 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 prior to assigning the weights against a ticket.

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. 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.

## 1.3 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 PS729 |

(Note: The 'P' in the approval number may be a temporary marking.)

# INTERIM TEST PROCEDURE No PS729

The POS system shall be tested for compliance with the requirements of General Supplementary Certificate No S1/0B dated, as follows:

Testing requires a minimum of 5 checks spanning the measurement range of the measuring instrument. For each check, ensure the device is correctly:

- repeating the result of the primary indicator; and/or
- summing several primary indicators; and/or
- printing the results.

Ensure the printed format and the display format is in compliance with General Supplementary Certificate No S1/0B.

Perform a display segment check for indicators with this function.

For network systems, check that the measurement data printed on the transaction record is correctly reproduced from each device connected in the network.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

**Dr A Rawlinson**

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