Australian Government

Department of Industry, Science, Energy and Resources

National
Measurement
Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval
NMI S804

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.

Matthews Australasia model iS20 label printer terminal Point of Sale (POS) System

submitted by   Matthews Australasia Pty Ltd
10 Lakeview Drive
Scoresby   VIC   3179

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 approved –certificate issued	15/12/20

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S804' 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

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 S804

1.   Description of Pattern   approved on 15/12/20

A Matthews Australasia model iS20 label printer terminal (**) point of sale (POS) system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments granted with reference to document NMI M 7.

1.1   Key Features

• The system provides printing arrangements for a Bizerba model GLP/GT240 self-indicating non-automatic weighing instrument (approval NMI 6/4D/344) 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 price for measured and non-measured items.

• 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 iS20 may be connected in a network to share common PLU data, 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 Matthews Australasia model iS20 label printer terminal is used to produce transaction records and labels.

The system (Figure 1) comprises:

(i)   POS Controller

The Matthews Australasia model iS20 POS controller comprises a PanelPC model R15IH32-85C3 or equivalent (*) PC-based device that operates a Microsoft Windows-based operating system running iDSnet version 4.x.x and NMI Calculator version 1.x software. The software version number is displayed by running the NMIVersion application from the Windows Programs menu (Figure 2).

(ii)   Electronic Indications

The PanelPC Model R15IH32-85C3 POS controller has an integral touch sensitive display for the operator.

Note: The operator display of the iS20 label printer terminal is not used as an NMI M 7 compliant display. The display is used for the operation of label printing functions only. There is no NMI M 7 compliant customer display fitted to the POS system.

(iii) Printing Devices

Transaction records shall satisfy the requirements of document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*.

A Honeywell model M-Class Mark II printer or equivalent (*) is connected to is connected to provide a label printing facility. A typical record is shown in Figure 2.

An additional Honeywell model M-Class Mark II printer or equivalent (*) may be connected to provide a label printing facility. The additional label printer may be used to print carton labels. A typical record is shown in Figure 3.

Labels shall satisfy the requirements of document NMI M 7.

(*)   '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 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 S804

TEST PROCEDURE No S804

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.
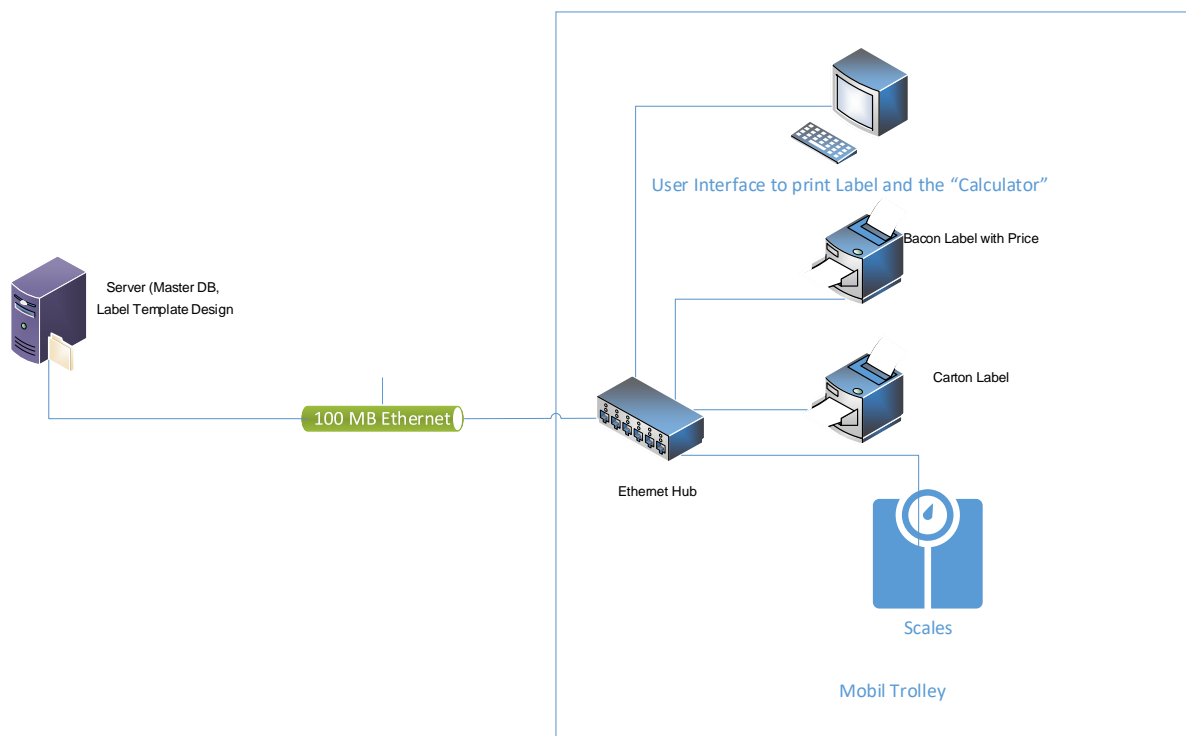
Maximum Permissible Error

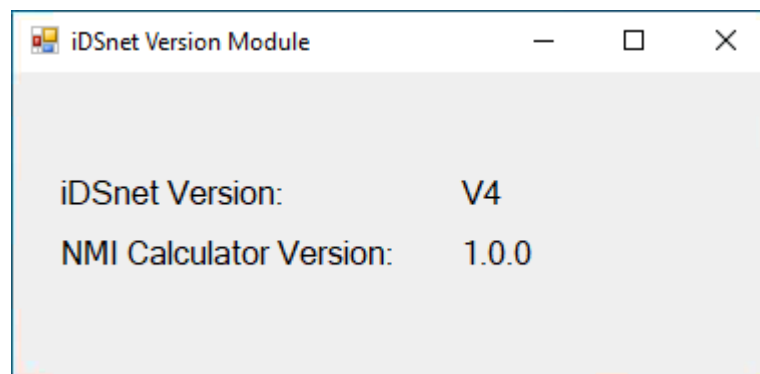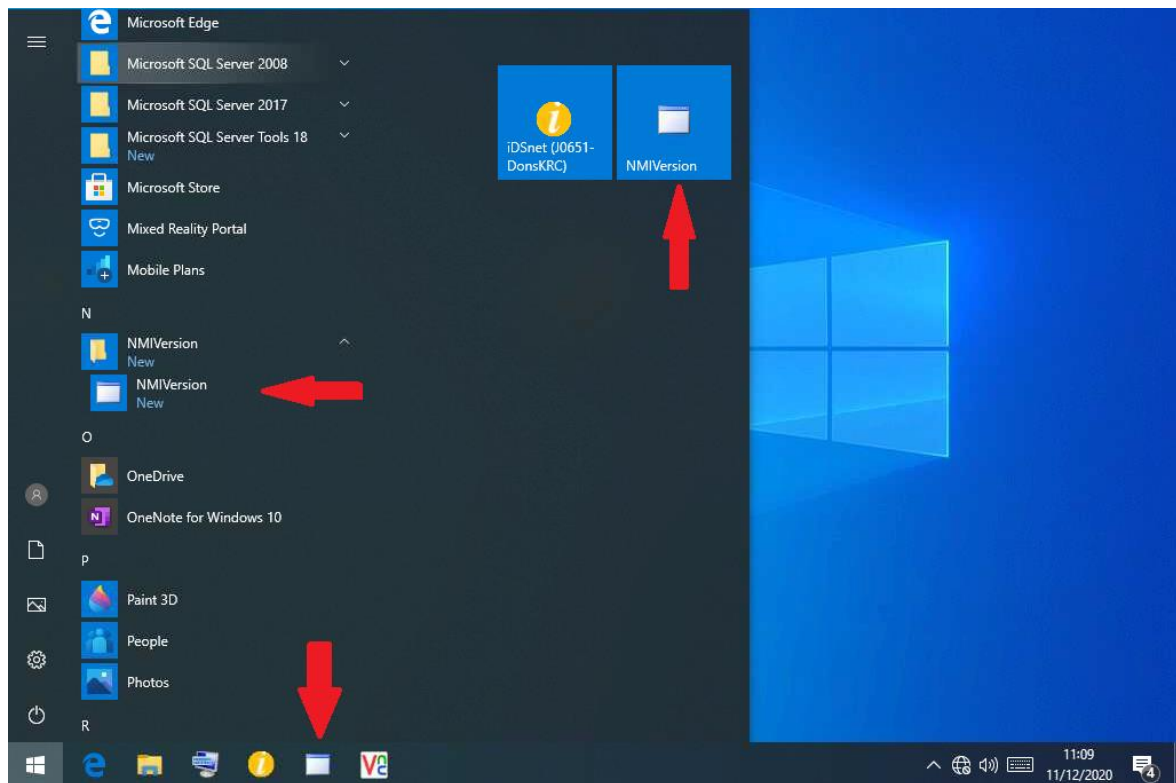The maximum permissible error for price computation is ±0.5 cent.

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.

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

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

6. Ensure that electronic indications and printed information are in accordance with document NMI M 7.

FIGURE S804 – 1

Server (Master DB,
Label Template Design

100 MB Ethernet

User Interface to print Label and the "Calculator"

Bacon Label with Price

Carton Label

Ethernet Hub

Scales

Mobil Trolley

Matthews Australiasia iS20 Point of Sale (POS) System

FIGURE S804 – 2

Matthews Australasia iS20 software version.

FIGURE S804 – 3

Examples of Label Formats

FIGURE S804 – 3

GWF Ltd. RICHARDS RD CASTLEMAINE VIC 3450 P15
Woolworths

90170

HAM LEG COB FULL

USE BY DATE: **01.01.20**   BATCH: **123456**

NET WEIGHT: **1. 930** kg   PCS **1**

(17)200101(10)123456

(0 1)9930064900 1708(3 103)00 1930(2 1)2 1054254

KEEP REFRIGERATED AT 0 – 4°C
MADE IN AUSTRALIA FROM AT LEAST 95% AUSTRALIAN INGREDIENTS   15:28

Examples of Carton Label Format

~ End of Document ~