NATIONAL WEIGHTS AND MEASURES LABORATORY

The National Weights & Measures Laboratory
TEST CERTIFICATE
NUMBER GB-1372

Issued by:

National Weights and Measures Laboratory
(Part of National Measurement Office)
Stanton Avenue
Teddington
Middlesex TW11 0JZ
United Kingdom

Notified Body Number 0126

In accordance with

The Council Directive 2009/23/EC (formerly 90/384/EEC) on Non-Automatic Weighing Instruments. Conformity with the essential requirements, referred to in Annex 1 of the Directive, is met by application of the European standard on Metrological aspects of non-automatic weighing instruments EN45501:1992.

Applicant:

Intelligent Business Systems Ltd
St James Road
Brackley
Northants
NN13 7XY
UK

In respect of:

The model of a **Point of Sale Device** tested as a part of a weighing instrument intended to be used for direct sales to the public.

Manufacturer: Intelligent Business Systems Ltd
Type: PosLink

Characteristics:

Characteristics are provided in the Descriptive Annex of this test certificate.

Description and documentation:

The Point of Sale device is described in the Descriptive Annex. Documents appertaining to this test certificate are held by the National Weights and Measures Laboratory.

Signature:

P R Dixon
for Chief Executive
National Weights and Measures Laboratory

Date: 09 June 2010
Reference: TS1201/0001

TEST CERTIFICATION NO GB-1372

Descriptive Annex

1   INTRODUCTION

The PosLink application uses PC-based technology. The POS is connected to a weight-only non-automatic weighing instrument having its own weight display and having an EC Type Approval Certificate.

2   DESCRIPTION

This Test Certificate covers the PosLink application POS system.

This Point of Sale application features a Windows PC based Point of Sale application for use in retail environments. The software runs on a Touchscreen PC and links to a receipt printer, weigh scale with pole mounted customer display and Chip & Pin device.

When a weighed item is processed the weight, price per unit weight and the price to pay are displayed on both the vendor and customer POS displays.

When a multiple non-weighed item is processed, the quantity, item price and price to pay are displayed on the vendor and customer POS displays.

All primary indications shall be displayed clearly and simultaneously to both the vendor and customer. The primary indications displayed to the customer must have characters at least 9.5 mm high.

The vendor's display may be either a VDU (Figure 1) or a two-row by twenty-character display.

A receipt for the customer will automatically be printed, a typical receipt format is shown in Figure 2.

A weight disturbance interlock is present to prevent the accidental repetition of a weighed item.

3   SOFTWARE SECURITY AND VERIFICATION INFORMATION

The legally relevant software is protected by a checksum which prevents the Point of Sale software from using the weighing scales if the file contents have been tampered with in any way. The operator can either logon to the system using an authorised pin code, biometric fingerprint reader, Dallas key style fob, or a swipe card.

The Poslink application is a fully functional software based till system written using Microsoft's Visual Basic.NET and implementing the .NET Framework Version 2.

The software name, version numbers and checksum value for the POS system are available for verification. These are shown on the customer display during startup of the poslink application. The dll is called NWML.DLL and the checksum can be tested by holding down the top right pane (Poslink version number).

The following information is available:

The legally relevant part of the software is shown as follows for verification:

Name	NWML.DLL
Application Checksum	BB13B7DB
Application version number	1.0.0.0
Application function	DLL to control ScaleLink Weight Strings and Rounding

The non-legally relevant part of the software is shown as follows for verification:

Name	PosLink.exe
Application version number	1.X.Y.Z
Application function	Main PosLink Application

In the above software release numbers, "X.Y.Z" represents changes to the non-legally-relevant software (at time of issue the lastest version number is: 1.0.2.7) which do not affect the metrology part of the software or the CRC checksum.

4   HARDWARE REQUIREMENTS

This software may be used in any compatible CE-marked freely-programmable Point of Sale hardware that meets the following minimum requirements:

Customer display	2 x 20 characters
Operating system	Microsoft Windows XP / Vista / 2003
RAM	256 MB
Processor	586 Pentium at 100 MHz
Hard disk capacity	1 GB
Screen resolutions	800x600 and above
USB or RS232	1

This POS system may be connected to any compatible Class III weight-only weighing instrument, if the EC Type Approval of that weighing instrument allows it to be connected to POS systems certified for connection to an EC Type-approved non-automatic weighing instrument by a Notified Body, according to paragraph 1 of Annex II of EC Directive 2009/23/EC.

Any simple receipt printer may be used if:

- it bears the CE mark for conformity to the EMC Directive;

- it is not capable of transmitting any data or instructions into the POS other than for releasing the printout, checking for correct data transmission, or validation of customer's cheques;

- it prints weighing results and other data as received from the POS without any modification or further processing; and

- it complies with the applicable requirements of EN45501, i.e. 4.2, 4.4, 4.5, 4.6 and 4.7.

It must not be possible for the system to be booted up using an alternative program on a floppy disc, CD or USB memory pen. This must be prevented either by physical locks or by the system itself.

5   AUTHORISED ALTERNATIVES

There are no authorised alternatives.

6   ILLUSTRATIONS

Figure 1   Operator display
Figure 2   Typical receipt format
Figure 3   Verification information

TEST CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
GB-1372	09 June 2010	Test certificate first issued.
-	-	No revisions have been issued.

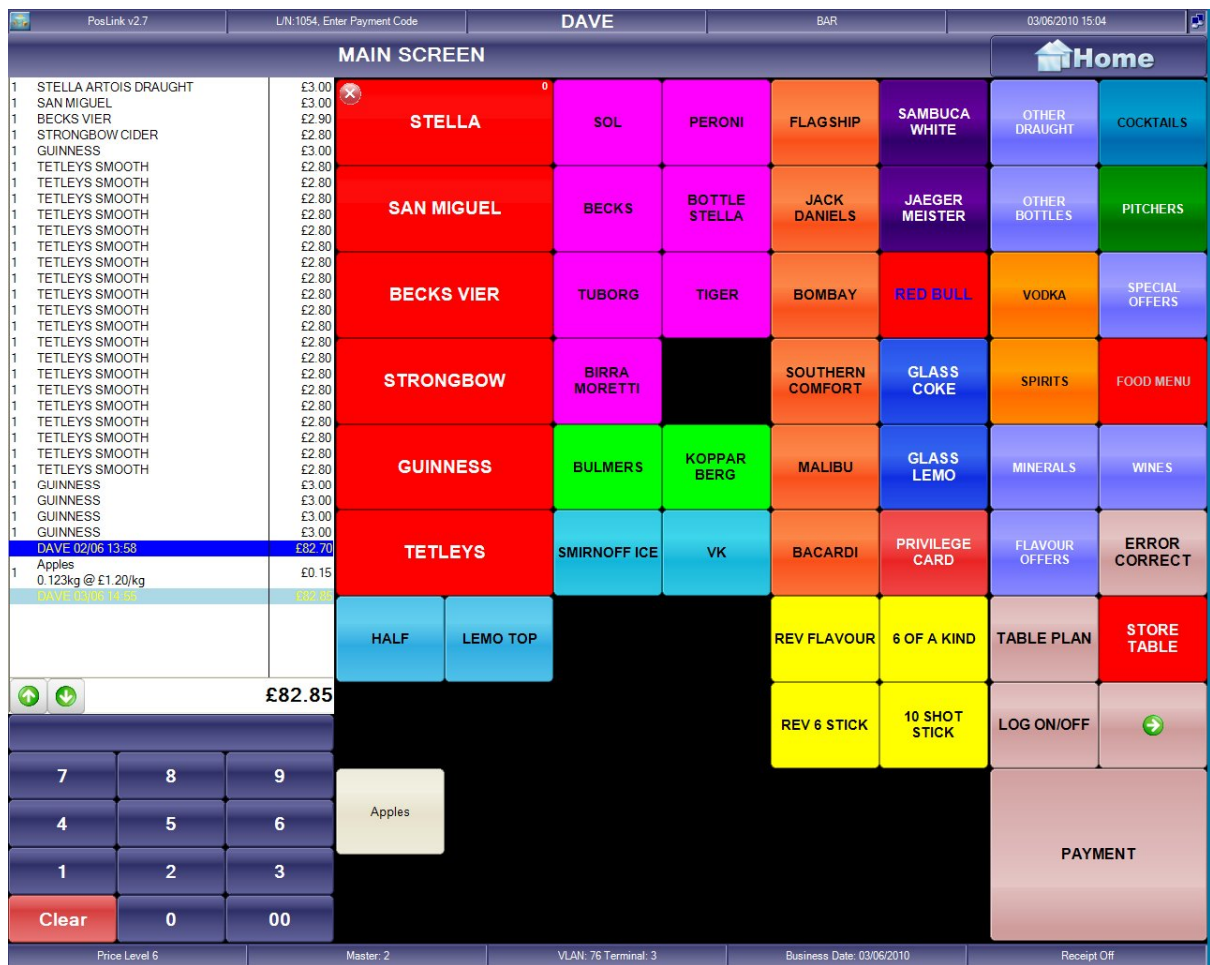**Figure 1   Operator display**

Ben's
Cookies

```
            Ben's Cookies
          21 Union Passage
               Bath
              BA1 1RD
         Tel : 01225 460 983

Manager                        Terminal 5
02/06/2010 11:34                  000011


1   1 COOKIE OUT                   £5.98
    0.420kg @ £14.25/kg
1   1 COOKIE OUT                   £6.06
    0.425kg @ £14.25/kg
1   1 COOKIE OUT                   £1.78
    0.125kg @ £14.25/kg MAN WT


            3 Items

    Vat 17.5%                     £0.00

    TOTAL                      £13.82

    CASH                       £20.00

    CHANGE                      £6.18

         Vat No. 394 6509 19

How do you like your cookie? Let us know @
           www.benscookies.com
      There is only one Ben's Cookies
    all other cookies are just biscuits.
```
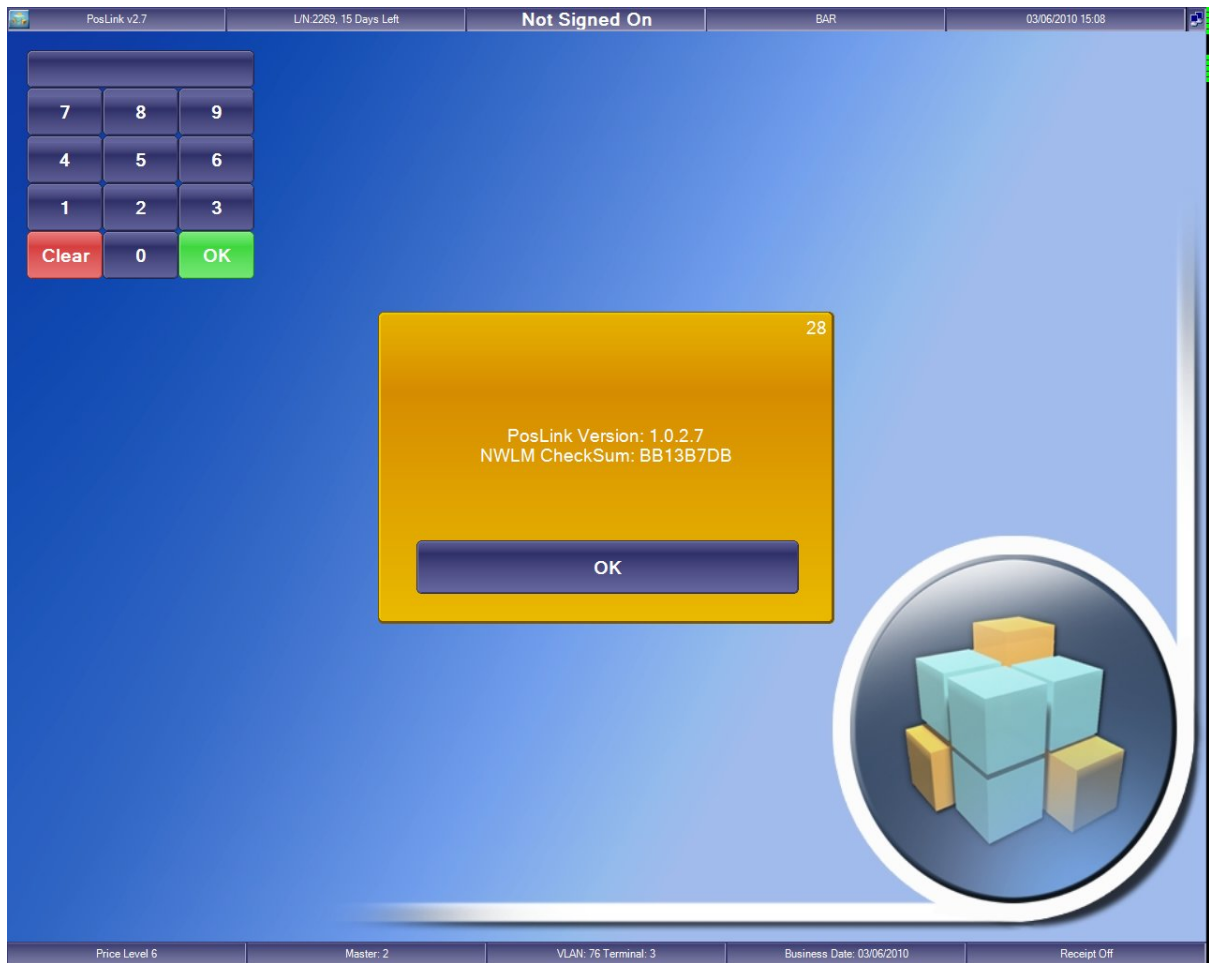
Figure 2   Typical receipt format

Figure 3   Verification information