



Australian Government  
Department of Industry,  
Innovation and Science

**National  
Measurement  
Institute**

**Interim  
Provisional  
Supplementary Certificate of Approval  
NMI PS478**

**VALID FOR VERIFICATION PURPOSES UNTIL 15 NOVEMBER 2018**

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.

BP Model Global Site System (GSS) Control System for Fuel Dispensers for Motor Vehicles

submitted by           BP Oil Australia Pty Ltd  
                                  Level 15  
                                  717 Bourke Street  
                                  Docklands   VIC   3108

**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 R 117-1, Measuring Systems for Liquids Other than Water, dated July 2004.

This approval becomes subject to review on 1/11/21, and then every 5 years thereafter.

**DOCUMENT HISTORY**

<b>Rev</b>	<b>Reason/Details</b>	<b>Date</b>
0	Pattern approved – interim certificate issued	16/10/06
1	Pattern – certificate issued	12/01/07
2	Variant 1 approved – certificate issued	10/09/07

Document History (cont...)

Rev	Reason/Details	Date
3	Pattern & variant 1 reviewed & updated – certificate issued	20/01/12
4	Pattern amended (controller) – pattern & variant 1 reviewed – variant 2 approved – certificate issued	19/02/16
5	Variant 3 approved – certificate issued	24/11/16
6	Variant 4 provisionally approved – interim certificate issued	15/11/17

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI PS478' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI PS478' in addition to the approval number of the instrument, and only by persons authorised by the submitter.

It is the submitter'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.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificates No S1/0/A or No S1/0B.

### Special Conditions of Approval: (Provisional Approval)

This approval is limited to five (5) sites only, the locations of which may be obtained from the National Measurement Institute. The submitter 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 PS478' and only by persons authorised by the submitter. **(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 submitter 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.

## TECHNICAL SCHEDULE No S478

### **1. Description of Pattern** **approved on 16/10/06**

A BP model Global Site System (GSS) point of sale control system (Figure 1) to provide an attended self-service facility for compatible (#) approved fuel dispensers for motor vehicles. The GSS system includes the point of sale console, a back office server and a flowmeter controller which includes an Integration Technologies model Enabler2 PCI controller card and an Integration Technologies forecourt distribution module. May also be known as a model BP Global Site System or model GSS.

**Note: Certificate of Approval S478 Rev 5 issued 24/11/16 describes the pattern and variants 1 to 3.**

### **2. Description of Variant 4** **provisionally approved on draft/17**

With the Flowmeter Controller of the pattern described in **1.2 System Description** replaced by a Postec PCC4 controller or other controller variations as described in approval NMI S398.

#### **2.1 Checking Facilities**

The BP model Global Site System with a Postec PCC4 controller includes the checking facilities described in **1.3 Checking Facilities**.

A Postec Intelligent Purchaser Indicator (PIPI) is also connected to the Postec PCC4 controller to allow the recall of the stored transactions under power failure condition. If the connection to the PIPI from the controller is interrupted the ability to authorise a stored or held sale will be prevented until the detected error condition is resolved.

## TEST PROCEDURE No PS478

Instruments shall be tested in conjunction with any tests specified in the approval documentation for the instruments to which the pattern is connected, as appropriate, and in accordance with any relevant tests specified in the National Instrument Test Procedures.

### Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

### Tests

Points 2-6 are required at commissioning, thereafter may be conducted at the discretion of the inspecting officer.

1. Check the POS console software version numbers. The Retailix Storepoint version number is displayed in the lower left corner of the screen; the Retailix PumpSrv version number is accessed by selecting the 'Function Menu', 'Toggle', 'Audit Functions' then 'Display SW Version' buttons on the POS console.
2. Check that the unit price change for the grade of fuel is implemented to the allocated fuel dispensers when they are available for authorisation.
3. Check that the system identifies, displays and prints the correct data for the corresponding number allocated to the fuel dispenser.
4. Authorise a delivery and check that the delivery details on the fuel dispenser agree with the receipt obtained.
5. Remove paper from the receipt printer to check that when the receipt printer is unavailable, a warning message is displayed on the POS console and the ability to authorise a stored delivery is disabled.
6. Perform a segment check by selecting the 'Function Menu', 'Toggle', 'Audit Functions', then 'Run Customer Display Test' buttons on the POS console.

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



**Mr Darryl Hines**

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