



**Australian Government**  

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**National Measurement  
Institute**

12 Lyonpark Road, North Ryde NSW 2113

**Cancellation**  
**Certificate of Approval No 6/9C/263**

Issued by the Chief Metrologist under Regulation 60  
of the  
National Measurement Regulations 1999

This is to certify that the approval for use for trade granted in respect of the

Lynchborough Model F1500 Weighing Instrument

submitted by Lynchborough Corporation Pty Limited  
19-21 Westpool Drive  
Hallam VIC 3803

has been cancelled in respect of new instruments as from 1 July 2006.

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

A handwritten signature in black ink, appearing to be 'J. H. T.', written in a cursive style.



# Australian Government

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## National Standards Commission

12 Lyonpark Road, North Ryde NSW 2113 Australia

Issued 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

Lynchborough Model F1500 Weighing Instrument

submitted by Lynchborough Corporation Pty Limited  
now of 19-21 Westpool Drive  
Hallam VIC 3803.

**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.

### CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 May 2005, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/263 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 Commission 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 the Commission's Document NSC P 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

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

The pattern as approved herein or with substitute Commission-approved load cells and/or indicators and in other capacities, or with different basework sizes, shall comply with General Certificate of Approval No 6B/0.

Note: New instruments manufactured under this approval shall only use load cells and/or indicators with current NSC supplementary certificates.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified herein and in any approval documentation for the components where they are approved separately.

### DESCRIPTIVE ADVICE

**Pattern:** approved 19 April 2000

- A Lynchborough model F1500 weighing instrument of 1500 kg maximum capacity. Technical Schedule No 6/9C/263 describes the pattern.

### FILING ADVICE

Certificate of Approval No 6/9C/263 dated 14 July 2000 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/9C/263 dated 3 March 2004  
Technical Schedule No 6/9C/263 dated 14 July 2000 (incl. Test Procedure)  
Notification of Change No 1 dated 2 January 2004  
Notification of Change No 2 dated 3 March 2004  
Figures 1 and 2 dated 14 July 2000

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



## TECHNICAL SCHEDULE No 6/9C/263

**Pattern:** Lynchborough Model F1500 Weighing Instrument.

**Submittor:** Lynchborough Corporation Pty Limited  
21-23 Daniel Street  
Wetherill Park NSW 2164

### 1. Description of Pattern

A Lynchborough model F1500 self-indicating weighing instrument (Figure 1) of 1500 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

#### 1.1 Basework

The model F1500 basework consists of twin columns supporting twin frames; each frame is fitted with two load cells that support retractable arms from which a bag is suspended to be filled with bulk solid material (Figure 2). The height of the frames is adjusted to suit the size of the bag and then locked into position; the arms adjust the height of the bag so that it is freely-suspended during filling and weighing.

#### 1.2 Load Cells

Four Kelba model KA-1000-C3 load cells of 1000 kg capacity are used.

The load cells are also described in the approval documentation of NSC approval No S155B.

#### 1.3 Indicator

A Gedge Systems model GS1650Mk3 digital indicator is used.

The indicator is also described in the approval documentation of NSC approval No S193B.

#### 1.4 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

Suitable provision must be made for the application of suitable verified masses to the instrument as required for verification and certification purposes. It will be necessary for arrangements to include provision for a temporary suspended platform (of known mass) onto which test masses may be loaded).

#### 1.5 Sealing Provision

Provision is made for the calibration adjustments in the indicator to be sealed as described in the approval documentation for the indicator used.

## 1.6 Markings

Instruments are marked with the following:

Manufacturer's mark, or name written in full	Lynchborough
Indication of accuracy class	Ⓜ
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ..... kg *
Maximum subtractive tare	T = - ..... kg #
Serial number of the instrument	.....
Pattern approval mark for the instrument	NSC No 6/9C/263
Pattern approval mark for the indicator	NSC No S....
Pattern approval mark for the load cells	NSC No S....

\* These markings shall also be repeated adjacent to each reading face, if they are not already located there.

# Unless  $T =$  maximum capacity of the instrument.

## TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

### Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads,  $m$ , expressed in verification scale intervals,  $e$ , are:

- $\pm 0.5 e$  for loads  $0 \leq m \leq 500$ ;
- $\pm 1.0 e$  for loads  $500 < m \leq 2\,000$ ; and
- $\pm 1.5 e$  for loads  $2\,000 < m \leq 10\,000$ .

### 1. Eccentric Load Test

The test load shall correspond to 1/10 of the maximum capacity of the instrument.



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## National Standards Commission

12 Lyonpark Road, North Ryde NSW 2113 Australia

### Notification of Change

### Certificate of Approval No 6/9C/263

### Change No 1

The following changes are made to the approval documentation for the  
Lynchborough Model F1500 Weighing Instrument

submitted by Lynchborough Corporation Pty Limited  
5-6 Apollo Drive  
Hallam VIC 3803.

In Certificate of Approval No 6/9C/263 dated 14 July 2000, the Condition of Approval referring to the approval NOT being used with Gneral Certificate 6B/0 should be deleted.

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

A handwritten signature in black ink, appearing to be 'J. H. T.', is located in the bottom right corner of the page.



# Australian Government

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## National Standards Commission

12 Lyonpark Road, North Ryde NSW 2113 Australia

### Notification of Change

### Certificate of Approval No 6/9C/263

### Change No 2

The following changes are made to the approval documentation for the  
Lynchborough Model F1500 Weighing Instrument

submitted by Lynchborough Corporation Pty Limited  
19-21 Westpool Drive  
Hallam VIC 3803.

- A. Certificate of Approval No 6/9C/263 dated 14 July 2000 is superseded by the Certificate attached herein, which contains a Condition of Approval referring to instruments being used with General Certificate of Approval No 6B/0.
- B. In Certificate of Approval No 6/9C/263 and its Technical Schedule both dated 14 July 2000 the address of the submitter should be amended to read:

“19-21 Westpool Drive  
Hallam VIC 3803.”

Signed by a person authorised under Regulation 60  
of the National Measurement Regulations 1999 to  
exercise the powers and functions of the  
Commission under this Regulation.

FIGURE 6/9C/263 - 1



Lynchborough Model F1500 Instrument



FIGURE 6/9C/263 - 2

