



Australian Government  
Department of Industry,  
Innovation and Science

**National  
Measurement  
Institute**

**Appointment as a Verifying Authority  
for  
Reference Standards of Measurement**

In accordance with Regulation 73 of *National Measurement Regulations 1999* (Cth), in force under the *National Measurement Act 1960* (Cth), the Chief Metrologist hereby appoints,

**Abstec Calibrations Australia Pty Ltd  
79 Ledger Road  
BEVERLEY SA 5009  
ABN (91 751 155 014)**

to be a Verifying Authority for the verification of reference standards of measurement under regulation 13 of the *National Measurement Regulations 1999* (Cth) for the following physical quantities:

**Mass and Force**

This appointment is for the period from 24 August 2017 to 23 August 2020 and is limited to the range specified in the attached schedule, and the use of procedures approved by the Chief Metrologist.

Dated this *Twenty fourth* day of *August* 2017

Stephen Horrocks  
For Dr P T H Fisk  
Chief Executive Officer and Chief Metrologist  
National Measurement Institute

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## Schedule to Appointment as a Verifying Authority for Reference Standards of Measurement

| Physical Quantity     | Range of Standard                               | Least Uncertainty |
|-----------------------|---|-------------------|
| Mass standards        | From 1 mg to 2 g                                | 20 µg             |
|                       | From 2 g to 10 g                                | 30 µg             |
|                       | Above 10 g to 50 g                              | 50 µg             |
|                       | Above 50 g to 100 g                             | 70 µg             |
|                       | Above 100 g to 200 g                            | 200 µg            |
|                       | Above 200 g to 2 kg                             | 4.5 mg            |
|                       | Above 2 kg to 5 kg                              | 5 mg              |
|                       | Above 5 kg to 10 kg                             | 7.5 mg            |
|                       | Above 10 kg to 20 kg                            | 200 mg            |
| Determination of mass | As above  | As above          |
| Force standards       | 0.5 N to 20kN (Class 1 requirements of AS 2193) | 0.006%            |

### Signatories

The following persons are the permitted signatories under this appointment:

| Name            | Physical Quantity | Range                             |
|-----------------|-------------------|-----------------------------------|
| Mr Graham Smith | Mass and Force    | as per the scope of this schedule |



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Chief Executive Officer and Chief Metrologist  
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### **Statutory Conditions**

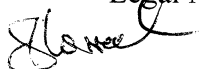
This appointment as a verifying authority for reference standards of measurement under regulation 73 of the *National Measurement Regulations 1999* (Cth) is subject to the conditions stated in regulation 77 of the *National Measurement Regulations 1999* (Cth) as amended. At the time of appointment regulation 77 contains the following conditions

- (a) That the authority participate in training, related to the performance of the duties of an authority, required by the Chief Metrologist;
- (b) That the authority report, as required by the Chief Metrologist, about its performance of its duties;
- (c) That the authority, and any responsible agent or employee of the authority, comply with the *National Measurement Act 1960* (Cth) and the *National Measurement Regulations 1999* (Cth) and any condition stated in the instrument of appointment.
- (d) That the authority comply with any determinations applying to the authority under regulation 20 of the *National Measurement Regulations 1999* (Cth).

### **Additional Conditions**

In addition to the statutory conditions of appointment of authorities contained in regulation 77 of the *National Measurement Regulations 1999* (Cth) this appointment is also subject to the following conditions:

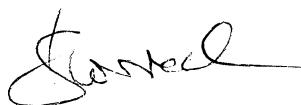
- (i) Continuing accreditation against AS ISO/IEC 17025 (2005) *General requirements for the competence of testing and calibration laboratories* in the form of:
  - a. NATA accreditation No. 11087; and
  - b. Including NATA test classes: 1.11 and 1.23.
- (ii) The authority shall not engage a responsible agent or arrange for any standard of measurement to be verified by an agent or anyone under its supervision without obtaining the prior consent of the Chief Metrologist in writing;
- (iii) Discharge of all financial obligations to the Chief Metrologist and/or the National Measurement Institute in respect of this appointment;
- (iv) Compliance with the formatting and/or any other requirements of the Chief Metrologist and/or the National Measurement Institute with respect to certificates of verification of reference standards of measurement;
- (v) During the term of this appointment each signatory under this appointment must attend a legal metrology seminar conducted by Legal Metrology Policy Section of the Legal Metrology Branch of the National Measurement Institute.



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For Dr P T H Fisk  
Chief Executive Officer and Chief Metrologist  
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- (vi) This appointment revokes and replaces any previous appointments and/or any extensions granted to any previous appointments.

**Notes:** Nil



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