



Australian Government  
Department of Industry,  
Science and Resources

**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,

**Australian Pressure Laboratory Pty Ltd  
ACN (633 623 131)**

Operating at:  
**Unit 9, 39-45 Susan Street  
Eltham VIC 3095**

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, Pressure**

This appointment is for the period from 22 September 2023 to 21 September 2026 and is limited to the range specified in the attached schedule, and the use of procedures approved by the Chief Metrologist.

Dated this      Twenty First      day of      September      2023

Signed

James Cantrill  
For Dr Richard Bruce Warrington  
Chief Metrologist  
National Measurement Institute

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Certificate: NMI2023-018-APL-VARSM      Form No. NMI/VARSM/2023      Page 1 of 4

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

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Physical Quantity	Range of Standard	Least Uncertainty
<b>Determination of Mass</b>		
Dead weight testers	up to 12 kg	6 in 10 <sup>6</sup> or 60 µg (whichever is greater)
<b>Pressure</b>		
(Barometers; Digital Pressure Gauges; Manometers; Mechanical Pressure Gauges; Pressure Recorders; Vacuum Gauges; Pressure Calibrators; Air Operated Piston Gauges; Dead Weight Testers – Ball & Float Type; Dead Weight Testers – Piston Type; Oil Operated Piston Gauges).		
<ul style="list-style-type: none"> <li>• Gauge Pressure Calibration</li> </ul>	<ul style="list-style-type: none"> <li>from -100 kPa to -4 kPa</li> <li>above -4 kPa to 4 kPa</li> <li>at 0 kPa</li> <li>from 4 kPa to 7000 kPa</li> <li>from 7 MPa to 140 MPa</li> <li>from 140 MPa to 175 MPa</li> <li>from 175 MPa to 280 MPa</li> </ul>	<ul style="list-style-type: none"> <li>0.003% of reading or 0.4 Pa (whichever is the greater)</li> <li>0.15 Pa</li> <li>0.01 Pa</li> <li>0.003% of reading or 0.2 Pa (whichever is the greater)</li> <li>0.005% of reading</li> <li>0.009% of reading</li> <li>0.015% of reading</li> </ul>
<ul style="list-style-type: none"> <li>• Absolute Pressure Calibration</li> </ul>	<ul style="list-style-type: none"> <li>from 0.2 Pa to 1.38 kPa</li> <li>from 1.38 kPa to 7000 kPa</li> <li>above 7 MPa to 120 MPa</li> </ul>	<ul style="list-style-type: none"> <li>0.3% of reading or 0.012 Pa (whichever is the greater)</li> <li>0.003% of reading or 0.4 Pa (whichever is the greater)</li> <li>0.005% of reading</li> </ul>

James Cantrill  
For Dr Richard Bruce Warrington  
Chief Metrologist  
National Measurement Institute

## Signatories

The following persons are the permitted signatories under this appointment:

<b>Name</b>	<b>Physical Quantity</b>	<b>Range</b>
Liam Shanahan	Mass, Pressure	as per the scope of this schedule
Randall Anderson	Mass, Pressure	as per the scope of this schedule
Rowan Anderson	Mass, Pressure	as per the scope of this schedule

## 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:

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Chief Metrologist  
National Measurement Institute

- (i) Continuing accreditation against AS ISO/IEC 17025 *General requirements for the competence of testing and calibration laboratories* in the form of NATA accreditation No. 9727
- (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 the Policy and Regulatory Services Section of the Legal Metrology Branch of the National Measurement Institute;
- (vi) This appointment revokes and replaces any previous appointments and/or any extensions granted to any previous appointments.

**Notes:** Nil

James Cantrill  
For Dr Richard Bruce Warrington  
Chief Metrologist  
National Measurement Institute