



Australian Government

Department of Industry, Science,  
Energy 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,

**Metering and Measurement - NSW Pty Ltd  
ABN (82 147 793 182)**

Operating at:  
**44 Chivers Rd  
Somersby, NSW 2250**

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:

**Volume, Flow rate**

This appointment is for the period from 28 March 2022 to 27 March 2025 and is limited to the range specified in the attached schedule, and the use of procedures approved by the Chief Metrologist.

Dated this      Twenty Eighth      day of      March      2022

Signed

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

Certificate: NMI2022-004-MNSW-VARSM      Form No. NMI/VARSM/2022      Page 1 of 4

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

Metering and Measurement - NSW Pty Ltd  
ABN (82 147 793 182)

Operating at:  
44 Chivers Rd  
Somersby, NSW 2250

Physical Quantity	Range of Standard	Least Uncertainty
<b>Volume</b>		
<ul style="list-style-type: none"><li>• Volumetric equipment – Pipeprovers</li></ul>		
- Calibration of mechanical displacement meter provers using liquid hydrocarbons (other than LPG) and water by transfer meter referred to a compact prover	365 L to 23 350 L	0.03% of prover based volume
<b>Flow rate</b>		
<ul style="list-style-type: none"><li>• Flow measuring devices and systems — liquid meters</li></ul>		
- Calibration of flow meters using volumetric tank prover of 500 L to 6000 L	10 L/min to 6000 L/min	0.03% of tank prover volume
- Calibration of flow meters using piston prover	10 L/min to 3000 L/min	0.03% of volume equal to 5 passes of a 34 L piston prover

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

Certificate: NMI2022-004-MNSW-VARSM Form No. NMI/VARSM/2022 Page 2 of 4

- Calibration of flow meters using a master meter	10 L/min to 2760 L/min	0.05% of volume within a disperse time of 1 minute
---	------------------------	--

### Signatories

The following persons are the permitted signatories under this appointment:

Name	Physical Quantity	Range
Paul Miller	Volume, Flow rate	as per the scope of this schedule
Milton Cole	Volume, Flow rate	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).

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

## **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 *General requirements for the competence of testing and calibration laboratories* in the form of NATA accreditation No. 13047
- (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

Certificate: NMI2022-004-MNSW-VARSM      Form No. NMI/VARSM/2022      Page 4 of 4