



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,

**Vipac Engineers and Scientists Ltd  
ABN (33 005 453 627)  
T/A Gas Technology Services  
279 Normanby Road  
Port Melbourne VIC 3207**

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:

**flow rate, volume and pressure**

This appointment is for the period from 28 March 2020 to 27 March 2023 and is limited to the range specified in the attached schedule, and the use of procedures approved by the Chief Metrologist.

Dated this                      Thirtieth                                      day of                      March                                      2020

Signed

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

Certificate: NMI2020-003-VIPAC-VARSM      Form No. NMI/VARSM/2020      Page 1 of 4

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

**Vipac Engineers and Scientists Ltd**  
**ABN (33 005 453 627)**  
**T/A Gas Technology Services**  
**279 Normanby Road**  
**Port Melbourne VIC 3207**

Physical Quantity	Range of Standard	Least Uncertainty
<b>Flow Rate</b>	<b>Up to 500 m<sup>3</sup>/h</b>	
<ul style="list-style-type: none"> <li>• Sonic Nozzles</li> <li>• Gas Meters</li> </ul>	Up to 500 m <sup>3</sup> /h	0.18% or 2 mL/h (whichever is greater) with a minimum test volume of 1 mL
<b>Volume</b>	<b>From 2 L to 200 kL</b>	
<ul style="list-style-type: none"> <li>• Gaseous volume proving systems</li> </ul>	From 2 L to 200 kL	0.1% of volume, with a minimum test volume of 2 L
<b>Pressure</b>	<b>0 to 14 MPa</b>	
<ul style="list-style-type: none"> <li>• Absolute Pressure</li> </ul>	From 5 kPa to 14 MPa	0.01% or 2 Pa (whichever is greater)
<ul style="list-style-type: none"> <li>• Gauge Pressure</li> </ul>	From -95 kPa to -1.7 kPa	0.01% or 1 Pa (whichever is greater)
	From -1.7 kPa to 1.7 kPa	0.5 Pa
	From 1.7 kPa to 14 MPa	0.01% or 1 Pa (whichever is greater)

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

Certificate: NMI2020-003-VIPAC-VARSM      Form No. NMI/VARSM/2020      Page 2 of 4

## Signatories

The following persons are the permitted signatories under this appointment:

<b>Name</b>	<b>Physical Quantity</b>	<b>Range</b>
Kris Zeller	flow rate, volume and pressure	as per the scope of this schedule
Mark Oyberman	flow rate, volume and 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:

- (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. 676

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

- (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: NMI2020-003-VIPAC-VARSM      Form No. NMI/VARSM/2020      Page 4 of 4