



# Guide to Victorian Gas Connection

**Prepared by:** AEMO Gas Operations

---

**Version:** 1.0

---

**Effective date:** 24 July 2024

---

**Status:** FINAL

---

**Approved for distribution and use by:**

**Approved by:** M Clemow

---

**Title:** Group Manager, Gas Markets and System Operations

---

**Date:** 24 / 07 / 2024

---

[aemo.com.au](https://aemo.com.au)

New South Wales | Queensland | South Australia | Victoria | Australian Capital Territory | Tasmania | Western Australia

Australian Energy Market Operator Ltd ABN 94 072 010 327

## Contents

<b>Current version release details</b>	<b>3</b>
<b>1. Introduction</b>	<b>4</b>
1.1. Purpose and scope	4
1.2. Definitions and interpretation	4
1.3. Related documents	5
<b>2. DTS Connection Application Tasks</b>	<b>6</b>
2.1. DTS Connection Approval Process	6
2.2. New or modified operating agreement	6
2.3. Register DTS metering installations and monitoring points	6
<b>3. Process to register DDS connected settlement metering points and monitoring points</b>	<b>7</b>
3.1. DDS Connection Approval Process	7
3.2. New or modified DDS operating agreement	7
3.3. Register DDS metering installations and monitoring points	8
<b>4. Requirement for market registration</b>	<b>9</b>
4.1. Market registration of the Participant	9
4.2. Operating Agreements	9
4.3. Requirements for registration of metering installations and gas quality monitoring systems	10
4.4. Market registration of market injection points and market withdrawal points	10
4.5. Market registration of other metering installations and monitoring points	11

## Tables

Table 1	Defined Terms .....	4
Table 2	Related Wholesale Market Procedures .....	5
Table 3	Registration of DTS connected facility operating agreement .....	6
Table 4	Registration of DTS connected Settlement Metering Point and Monitoring Points .....	6
Table 5	DDS settlement metering point application enquiry.....	7
Table 6	<i>Connection Applicant</i> applies for a new or modified DDS connected Settlement Metering Point with Distributor .....	7
Table 7	Distribution Deed for DDS connected settlement metering points .....	8
Table 8	Registration of DDS connected settlement metering points .....	8
Table 9	Required steps for AEMO to register a Settlement Metering Point in the Market .....	10
Table 10	Required steps for AEMO to register remaining metering points and monitoring points .....	11

## Current version release details

Version	Effective date	Summary of changes
1.0	24 July 2024	Guide to Victorian Gas Connections includes an overview of the DTS and DDS connections process and market registration of metering installations and gas quality monitoring systems.

# 1. Introduction

## 1.1. Purpose and scope

For gas connection to the DTS, AEMO is responsible for providing an approval under the Wholesale Market Connection Approvals Procedure. However, for gas connections to the DDS, AEMO’s role is limited to the market registration meters at tariff D sites, market injection points and market withdrawal points under section 6.3.1 of the Wholesale Market Metering Procedures.

This Guide to Victorian Gas Connections provides an overview of the market registration processes that need to be considered by new participants that are setting up a DTS connected facility or distribution connected facility.

This Guide highlights the similarities and differences that occur for a DTS connected facility versus a distribution connected facility. This Guide does not address the market registration requirements.

## 1.2. Definitions and interpretation

### 1.2.1. Glossary

Terms defined in the National Gas Law (NGL) and the National Gas Rules (NGR) have the same meanings in these Procedures unless otherwise specified in this clause.

Terms defined in the NGL and NGR are intended to be identified in these Procedures by italicising them, but failure to italicise a defined term does not affect its meaning.

The words, phrases and abbreviations in the table below have the meanings set out opposite them when used in these Procedures.

**Table 1 Defined Terms**

Term	Definition
CTM	Custody Transfer Meters (CTMs) as defined in the Wholesale Market Metering Procedures.
DDS	<i>declared distribution system</i> as defined in Part 19 of the NGR. [Note only declared distribution systems that are directly connected to the DTS are covered by Part 19]
Distribution Deed	Type of operating agreement, between Distributor and AEMO.
DTS	<i>Declared Transmission System</i>
Monitoring point	Monitoring points as defined in the Wholesale Market Gas Quality Monitoring Procedures.
Operating agreement	As defined in the NGL 91BG.
NGL	National Gas Law.
NGR	National Gas Rules.
Schedule	An operating schedule
System security	The Wholesale Market System Security Procedures (Victoria) describe how AEMO manages system security in the DTS.

### 1.2.2. Interpretation

The following principles of interpretation apply to these Procedures unless otherwise expressly indicated:

- (a) These Procedures are subject to the principles of interpretation set out in Schedule 2 of the NGL.
- (b) References to time are references to Australian Eastern Standard Time.

## 1.3. Related documents

The following documents support this Procedure.

**Table 2 Related Wholesale Market Procedures**

Reference	Title	Location
Connection Approval Procedures	Wholesale Market Connection Approval Procedures (Victoria)	<a href="https://www.aemo.com.au/energy-systems/gas/declared-wholesale-gas-market-dwgm/procedures-policies-and-guides">https://www.aemo.com.au/energy-systems/gas/declared-wholesale-gas-market-dwgm/procedures-policies-and-guides</a>
Gas Quality Monitoring Procedures	Wholesale Market Gas Quality Monitoring Procedures (Victoria)	
Maintenance Planning Procedure	Wholesale Market Maintenance Planning Procedures (Victoria)	
Metering Procedures	Wholesale Market Metering Procedures (Victoria)	
System Security Procedures	Wholesale Market System Security Procedures (Victoria)	

## 2. DTS Connection Application Tasks

### 2.1. DTS Connection Approval Process

The Wholesale Market Connection Approval Procedures detail the processes for a new DTS connection made by a connection applicant with the DTS SP and approved by AEMO.

### 2.2. New or modified operating agreement

AEMO generally requires a connection applicant with a new settlement metering point or monitoring point to enter into a new, or modify an existing, operating agreement with AEMO. This occurs concurrently with the connection approval process, registration of the metering installation at the settlement metering point and/or the registration of the gas quality monitoring system at a monitoring point.

**Table 3 Registration of DTS connected facility operating agreement**

Responsible Entity	Description of Task
Connection Applicant	<ul style="list-style-type: none"> <li>Connection Applicant to contact AEMO to enter into an Operating Agreement.</li> </ul>
AEMO	<ul style="list-style-type: none"> <li>AEMO assesses the Operating Agreement around the requirements of section 4.2</li> </ul>

### 2.3. Register DTS metering installations and monitoring points

The following table outlines the processes for the registration with AEMO of a metering installation at a settlement metering point or a monitoring point.

**Table 4 Registration of DTS connected Settlement Metering Point and Monitoring Points**

Responsible Entity	Description of Task
Market Registration	<ul style="list-style-type: none"> <li>This process assumes that the <i>Connection Applicant</i> has completed market registration with AEMO in the appropriate capacity to become a <i>responsible person</i> for a <i>metering installation</i> or a <i>responsible gas quality monitoring provider</i> for a <i>gas quality monitoring system</i>.</li> </ul>
Connection Applicant	<ul style="list-style-type: none"> <li>Submit the DTS metering installation, or monitoring point, registration to AEMO at least 60 business days before the expected commissioning date.</li> </ul>
AEMO	<ul style="list-style-type: none"> <li>AEMO assesses the registration of a settlement metering point and/or monitoring points against the requirements of section 4.1.</li> <li>Complete all tasks in section 4.4 or 4.5 as appropriate for the connection point.</li> </ul>

## 3. Process to register DDS connected settlement metering points and monitoring points

### 3.1. DDS Connection Approval Process

Each Distributor has an interconnection policy that specifies the requirements for a DDS connection to their distribution system.

**Table 5 DDS settlement metering point application enquiry**

Responsible Entity	Description of Task
<i>Connection Applicant</i>	<ul style="list-style-type: none"> <li>Approach Distributor with a Settlement Metering Point connection application enquiry.</li> </ul>
Distributor	<ul style="list-style-type: none"> <li>Distributor to assess connection application via the Distributor's interconnection policy, under rule 89 of the NGR.</li> <li>Distributor to assess whether the <i>settlement metering point</i> will meet the <i>Distributor's gas quality specifications</i>.</li> </ul>
Distributor	<ul style="list-style-type: none"> <li>Notify AEMO of a potential new <i>settlement metering point</i> connection application at least 60 business days before the connection application commissioning date.</li> </ul>
<i>Connection Applicant</i> and Distributor	<ul style="list-style-type: none"> <li>Distributor and <i>Connection Applicant</i>, if required, to agree on the Distributor's <i>gas quality specifications</i> for a <i>DDS Injection point</i> under rule 287A(1) of the NGR.</li> <li>Distributor to obtain other parties' approval of the Distributor's <i>gas quality specifications</i> under rule 287(2) of the NGR.</li> </ul>
<i>Connection Applicant</i>	<ul style="list-style-type: none"> <li>Contact AEMO for information on the operation of the settlement metering point in the market.</li> </ul>
AEMO	<ul style="list-style-type: none"> <li>Provide information regarding the operation of the <i>settlement metering point</i> in the <i>market</i> if requested by <i>Connection Applicant</i>.</li> </ul>

**Table 6 Connection Applicant applies for a new or modified DDS connected Settlement Metering Point with Distributor**

Responsible Entity	Description of Task
<i>Connection Applicant</i>	<ul style="list-style-type: none"> <li>Make an application to the Distributor for a new or modified <i>settlement metering point</i>.</li> </ul>
Distributor	<ul style="list-style-type: none"> <li>Distributor to work with <i>Connection Applicant</i> as per their <i>interconnection policy</i>.</li> </ul>

### 3.2. New or modified DDS operating agreement

AEMO will require a new or modified operating agreement<sup>1</sup> with the Distributor covering the establishment of a new settlement metering point or monitoring point. Further information regarding operating agreements is provided in 91BG of the NGL.

This occurs concurrently with the registration of the metering installation at the settlement metering point and/or the registration of the gas quality monitoring system at a monitoring point for the distribution connected facility.

<sup>1</sup> Victorian Government Gazette, No. S222 Tuesday 30 June 2009, the gazette declared a number of connection agreements, operating agreements and connection deeds to be operating agreements pursuant to section 47 of the National Gas (Victoria) Act 2008. See <https://www.gazette.vic.gov.au/gazette/Gazettes2009/GG2009S222.pdf#page=46>, accessed 17/06/2024.

**Table 7 Distribution Deed for DDS connected settlement metering points**

Responsible Entity	Description of Task
Distributor	<ul style="list-style-type: none"> <li>Negotiate the Distributor’s new or amended Operating Agreement with AEMO.</li> </ul>
AEMO and Distributor	<ul style="list-style-type: none"> <li>AEMO may request information to clarify the change to the Operating Agreement (or the new Operating Agreement).</li> </ul>
AEMO	<ul style="list-style-type: none"> <li>Agree new or amended Operating Agreement.</li> </ul>

### 3.3. Register DDS metering installations and monitoring points

The following table outlines the processes for the registration with AEMO of a metering installation at a settlement metering point or a monitoring point for a distribution connected facility.

**Table 8 Registration of DDS connected settlement metering points**

Responsible Entity	Description of Task
<i>Connection Applicant</i>	<ul style="list-style-type: none"> <li><i>Connection Applicant</i> submits <i>settlement metering point</i> registration to AEMO. This is to include for the <i>settlement metering point</i> a:                             <ul style="list-style-type: none"> <li>- Nomination of <i>Responsible Person</i> for <i>metering installations</i></li> <li>- Nomination of <i>Responsible Gas Quality Monitoring Provider</i> for <i>gas quality monitoring systems</i></li> </ul> </li> </ul>
AEMO	<ul style="list-style-type: none"> <li>AEMO assesses the settlement metering point registration against the requirements of section 4.4 or section 4.5, as appropriate for the connection point.</li> <li>If required, request additional information from the settlement metering point operator to assess the registration.</li> </ul>
Market Registration	<ul style="list-style-type: none"> <li>This process assumes that the <i>Connection Applicant</i> has completed market registration with AEMO in the appropriate capacity to become a <i>responsible person</i> for a <i>metering installation</i> or a <i>responsible gas quality monitoring provider</i> for a <i>gas quality monitoring system</i>.</li> </ul>
<i>Responsible Person and Responsible Gas Quality Monitoring Provider</i>	<ul style="list-style-type: none"> <li>Provide additional requested information used to assess the registration of the <i>meter installation</i> and <i>gas quality monitoring system</i> for the <i>settlement metering point</i>.</li> </ul>
AEMO	<ul style="list-style-type: none"> <li>AEMO will not complete the registration of the <i>meter installation</i> and/or <i>gas quality monitoring system</i>, both of which are required to complete the <i>settlement metering point</i> registration if the requirements of section 4.4 or section 4.5 are not completed.</li> <li>Notify the responsible person and responsible gas quality monitoring provider that the settlement metering point registration is complete.</li> </ul>

## 4. Requirement for market registration

The following chapter sets out the process to be completed with AEMO to operate in the DWGM.

### 4.1. Market registration of the Participant

A precondition for registering a *metering installation* or *monitoring point* with AEMO is the intending *Responsible person* for a *metering installation* and the intending *responsible gas quality monitoring provider* for a *gas quality monitoring system* must be a *Registered participant* with AEMO prior to the registration of the *metering point* or *monitoring point*.

### 4.2. Operating Agreements

AEMO will require an Operating Agreement between AEMO and the facility owner under section 91BG of the NGL. This agreement covers the operation of the facility, in part to ensure that system security is maintained and that necessary information is provided to AEMO. The specific items that an operating agreement may address (but is not limited to) are outlined in section 91BG(2) of the NGL:

- (a) The balancing, monitoring and regulation of gas flows between the DTS and the facility;
- (b) The scheduling of gas flows;
- (c) The maintenance of a balancing account;
- (d) The provision of operational information;
- (e) Operating pressures;
- (f) The safety, security and reliability of the DTS and the facility;
- (g) Emergency arrangements.

AEMO requires a new or modified operating agreement as a condition of permitting a new (or modified) metering installation to be registered at a settlement metering points or a new (or modified) gas quality monitoring system to be registered at a monitoring point.

AEMO will require *operating agreements* with facilities connected to the DTS, including:

- (a) *interconnected transmission pipeline service provider's* pipeline;
- (b) *Distributors* for a *DDS* (these *operating agreements* are called *distribution deeds*);
  - (i) The *distribution deed* needs to incorporate the operation of any *distribution connected facility* in the *Distributor's DDS*.
- (c) *gas production facility*;
- (d) *storage facility*;
- (e) *blend processing facility*;

- (f) other *transmission delivery points* (as required by AEMO);
- (g) *responsible person* for a *metering installation* (as required by AEMO); and
- (h) *responsible gas quality monitoring provider* for a *monitoring point* (as required by AEMO).

The operating agreement must be agreed by both parties prior to the *metering installation* and/or *gas quality monitoring system* commissioning, unless otherwise agreed with AEMO.

If the operating agreement is not agreed prior the *metering installation* and/or *gas quality monitoring system* commissioning, AEMO may provide a date by which the operating agreement must be agreed.

The NGL provides additional information on operating agreements, including that the AER may make a determination to resolve a dispute arising from an attempt to negotiate an operating agreement or an amendment to an operating agreement.

### 4.3. Requirements for registration of metering installations and gas quality monitoring systems

AEMO has outlined the requirements for registering a metering installation and monitoring point for a Registered participant under section 6.3.1 of the Wholesale Market Metering Procedures.

AEMO will register the following proposals from an existing, or intending:

- (a) *responsible person* for a *metering installation* for a *settlement metering point*; and
- (b) *responsible gas quality monitoring provider* for a *gas quality monitoring system* at a *monitoring point*.

Critically, AEMO is required to receipt the registration for a metering installation or gas quality monitoring system at least 60 business days prior to the expected date of commissioning. This allows AEMO to setup the necessary communication requirements to the new metering installation or monitoring point along with making numerous other adjustments in market systems by the commissioning date.

### 4.4. Market registration of market injection points and market withdrawal points

The following processes apply to *settlement metering points* which are *market injection points* and *market withdrawal points* that are also *monitoring points* at *market injection points*. For the avoidance of doubt, this covers these points in both the DTS and DDS.

**Table 9 Required steps for AEMO to register a Settlement Metering Point in the Market**

Entity	Configuration Item
Connection Applicant	Enter into a <i>connection agreement</i> with the DTS SP or Distributor (as appropriate), for the <i>settlement metering point</i> .
Connection Applicant	Complete Election of Responsible Person process for the <i>settlement metering point</i> with AEMO.

Entity	Configuration Item
Connection Applicant	Complete Election of Responsible Gas Quality Monitoring Provider process for the <i>market injection point</i> with AEMO.
Responsible person	Download the 'application for metering installation registration' from AEMO's website, fill out the form and submit to AEMO's Support Hub at least 60 business days prior to commissioning.
Responsible person and responsible gas quality monitoring provider	Requests set-up of <i>metering installation</i> and <i>gas quality monitoring system</i> for the <i>settlement metering point</i> that will provide information required by the Wholesale Market Metering Procedure, Wholesale Market Gas Quality Procedures and Wholesale Market Net Bidding Procedures.
Responsible person and responsible gas quality monitoring provider	Provides information specified by AEMO for the setup of the <i>settlement metering point(s)</i> .
Connection Applicant	For a <i>metering installation</i> being registered at: <ul style="list-style-type: none"> <li>- A DTS <i>connection point</i> an operating agreement between the facility owner and AEMO.</li> <li>- A DDS <i>connection point</i> a Distribution Deed agreed between the Distributor and AEMO.</li> </ul>
Responsible person	Set-up a communication link from the <i>metering point</i> and <i>monitoring point</i> to AEMO's market system
Connection Applicant (as DWGM facility operator or distribution connected facility operator)	Contracts with <i>Market Participant(s)</i> to facilitate test injections into, and withdrawals from, the market
Facility Operator	Complete Allocation Agent process with Market Participant(s) which includes establishing an Allocation Agreement for the settlement metering point.
Market Participant(s)	Contact AEMO to set-up Accreditation as per the <i>accreditation procedures</i> .
Market Participant(s)	Following completion of the Market Participant accreditation, enter bids to facilitate gas flows (including any test flows).
AEMO	Settles gas flows within the market via the assigned Market Participant(s) as per the market settlement process.

## 4.5. Market registration of other metering installations and monitoring points

This process applies to *metering installations* at settlement metering points (other than *market injection points* and *market withdrawal points* covered in section 4.4) and *monitoring points* at *DTS monitoring points* and *DDS transfer monitoring points*.

**Table 10 Required steps for AEMO to register remaining metering points and monitoring points**

Entity	Configuration Item
Connection Applicant	Enters into a <i>connection agreement</i> with the DTS SP or Distributor (as appropriate), for the <i>settlement metering point</i> .
Connection Applicant	Completes Election of Responsible Person process for the <i>settlement metering point</i> with AEMO.
Connection Applicant	Completes Election of Responsible Gas Quality Monitoring Provider process for the <i>monitoring point</i> with AEMO.
Connection Applicant	Downloads the 'application for metering installation registration' from AEMO's website, fills out the form and submits to AEMO's Support Hub.

Entity	Configuration Item
AEMO	AEMO to request information to inform the Data Validation requirements from <i>Responsible person</i> .
<i>Responsible person and responsible gas quality monitoring provider</i>	Requests setup of <i>metering installation</i> and <i>gas quality monitoring system</i> for the <i>settlement metering point</i> that will provide information required by the Wholesale Market Metering Procedure, Wholesale Market Gas Quality Procedures and Wholesale Market Net Bidding Procedures.
<i>Responsible person and responsible gas quality monitoring provider</i>	Provides information specified by AEMO for the setup of the <i>settlement metering point(s)</i> (i.e. meters).
<i>Connection Applicant</i>	For a <i>metering installation</i> being registered at: <ul style="list-style-type: none"> <li>- At a <i>DTS connection point</i> an operating agreement between the facility owner and AEMO.</li> <li>- At a <i>DDS connection point</i> a Distribution Deed agreed between the Distributor and AEMO.</li> </ul>
<i>Connection Applicant</i>	setup a communication link to the <i>metering point</i> and <i>monitoring point</i> to AEMO's market system
AEMO	Settles gas flows within the market via the assigned <i>Market Participant(s)</i> as per the allocation agreement.