



# Wholesale Market Maintenance Planning Procedures (Victoria)

**Prepared by:** AEMO Gas Operations

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**Approved for distribution and use by:**

**Approved by:** V Mouchaileh

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**Title:** Executive General Manager, Reform Delivery

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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>2</b>  |
| <b>1. Introduction</b>   | <b>4</b>  |
| 1.1. Purpose and scope   | 4         |
| 1.2. Application   | 4         |
| 1.3. Legal and Regulatory Framework  | 4         |
| 1.4. Definitions and interpretation  | 5         |
| 1.5. Related documents   | 6         |
| <b>2. Maintenance planning process</b>   | <b>7</b>  |
| 2.1. Overview of maintenance planning process                                  | 7         |
| 2.2. Facilities and equipment subject to maintenance planning review           | 7         |
| 2.3. Notification of maintenance   | 8         |
| 2.4. AEMO’s maintenance planning review  | 11        |
| <b>3. Undertaking maintenance</b>  | <b>14</b> |
| 3.1. Overview  | 14        |
| 3.2. Requests to undertake maintenance   | 15        |
| 3.3. AEMO’s facility release to undertake maintenance                          | 16        |
| 3.4. Initiation of maintenance   | 16        |
| 3.5. Update AEMO on outcome of maintenance                                     | 16        |
| 3.6. AEMO direction to delay, suspend or cancel maintenance                    | 17        |
| <b>4. Other matters</b>  | <b>18</b> |
| 4.1. East Coast Gas System maintenance planning function                       | 18        |
| 4.2. Victorian Gas Planning Report and Gas Statement of Opportunities function | 18        |
| 4.3. Gas Bulletin Board reporting  | 18        |
| <b>Past version release details</b>  | <b>19</b> |

## Tables

|         |  |    |
|---------|--|----|
| Table 1 | Defined Terms .....  | 5  |
| Table 2 | Related Wholesale Market Procedures .....                    | 6  |
| Table 3 | Methods for exchange of <i>maintenance</i> information ..... | 9  |
| Table 4 | <i>Maintenance</i> Planning Review Outcomes.....             | 13 |

## Current version release details

| Version | Effective date | Summary of changes  |
|---------|----------------|---|
| 4.0     | 1 May 2024     | AEMO is making amendments to these <i>maintenance planning procedures</i> to account for the AEMC’s “DWGM distribution connected facilities” and “Review into extending the regulatory frameworks to hydrogen and renewable gases” rule changes.<br>Other general updates have also been made as part of this procedure update. |

**Note: There is a full version history at the end of this document.**

# 1. Introduction

## 1.1. Purpose and scope

These are the Wholesale Market Maintenance Planning Procedures ([Procedures](#)) made under section 91BL of the National Gas Law ([NGL](#)), ~~and~~ rule 326 ~~and~~ [rule 326A](#) ~~rule 326A~~ of the National Gas Rules ([NGR](#)) ~~(Procedures)~~.

The NGL and the NGR prevail over these Procedures to the extent of any inconsistency.

These Procedures may only be amended in accordance with Part 15B of the NGR.

## 1.2. Application

These Procedures apply to AEMO and each person to whom they are expressed to apply.

## 1.3. Legal and Regulatory Framework

- ~~(a)~~ ~~AEMO must make These is P~~ procedures, as required by ~~R~~ rule 326(2) of the NGR; ~~must, with respect to maintenance, include the following: concerning the process for:~~
- ~~(a)~~(i) notification of *maintenance*;
  - ~~(b)~~(ii) requests to carry out *maintenance*;
  - ~~(c)~~(iii) approval of requests (including conditions of approval);
  - ~~(d)~~(iv) initiation of *maintenance* (including initiation at the request of AEMO);
  - ~~(e)~~(v) risk assessment and management;
  - ~~(f)~~(vi) information exchange and release (including release of confidential information);
  - ~~(g)~~(vii) timing (including deferral) of *maintenance*;
  - ~~(h)~~(viii) the types of *equipment* to be taken off line and brought back on line in the course of *maintenance* operations and the procedures for taking it off line and bringing it back on line;
  - ~~(i)~~(ix) any other matter contemplated by, or reasonably incidental to, rule 324 or rule 326.
- ~~(b)~~ [Rule 326A requires that \*distribution connected facility operators\* must provide information to AEMO about maintenance of its \*distribution connected facility\* in accordance with these Procedures.](#)
- ~~(c)~~ [In addition to \*DWGM facility operators\* and \*distribution connected facility operators\*, these Procedures apply to:](#)
- ~~(i)~~ [a \*responsible person\* for any change of a \*metering installation\* pursuant to section 6.3.3 of the \*metering installation coordination procedures\* \(part of the Wholesale Market Metering Procedures\); and](#)
  - ~~(ii)~~ [a \*responsible gas quality monitoring provider\* for the temporary or permanent modification of a \*gas quality monitoring system\* pursuant section 2.7.5 of the \*gas quality monitoring procedures\*.](#)

## 1.4. Definitions and interpretation

### 1.4.1. Glossary

Terms defined in the NGL and the 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   |
|----------------------------|--|
| Available supply           | <del>Comprises supply unaffected by maintenance.</del>   |
| DTS                        | <i>Declared Transmission System</i>  |
| <u>DTS SP</u>              | <u><i>Declared Transmission System Service Provider</i></u>  |
| Emergency work             | <del>Maintenance to</del> <u>Work in connection with</u> equipment owned or operated by a <u>facility operator</u> <del>DWGM facility operator</del> that must be undertaken immediately to address a risk to <del>the</del> system security, the <del>equipment</del> , the environment or safety of the public or <u>the facility operator's</u> personnel. <del>of the DWGM facility operator</del>   |
| <u>equipment</u>           | <u>Defined in section 2.2.</u>   |
| <u>facility operator</u>   | <u>A facility operator includes a DWGM facility operator, distribution connected facility operator, responsible person for a metering installation and a responsible gas quality monitoring provider.</u>  |
| NGL or Law                 | National Gas Law.  |
| NGR or Rules               | National Gas Rules.  |
| <u>maintenance</u>         | <u>maintenance means work carried out by a facility operator that, in AEMO's opinion, may affect (a) the supply of gas through the Market, or (b) AEMO's ability to operate the declared transmission system; or (c) declared transmission system capacity; or (d) system security; or (e) the efficient operation of the declared transmission system generally, and includes work carried out on pipeline equipment but does not include maintenance required to avert or reduce the impact of an emergency.</u> |
| Planned maintenance        | Maintenance that is notified to AEMO more than 5 days before <del>the day on which that maintenance is due to commence.</del> <u>the maintenance commencing, as specified in rule 326(3)(a).</u>   |
| <del>System security</del> | <del>AEMO's approach to managing system security is outlined in the Wholesale Market System Security Procedures (Victoria)</del>   |
| Unplanned maintenance      | Maintenance that is notified to AEMO within 5 days of <del>the day on which maintenance is due to commence. Unplanned maintenance may still be eligible for AEMO planning approval.</del> <u>the maintenance commencing, as specified in rule 326(3)(b). Unplanned maintenance will be considered by AEMO's maintenance planning review, subject to time constraints.</u>  |

### 1.4.2. 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 National Gas Law.
- (b) References to time are references to Australian Eastern Standard Time.

~~(b)(c) A day referenced~~ References in this Procedure to a day are references to a calendar day, unless specified otherwise.

## 1.5. Related documents

The following documents support this Procedure.

**Table 2 Related Wholesale Market Procedures**

| Reference                              | Title   | Location  |
|--|---|---|
| <a href="#">Gas</a> Emergency Protocol | <a href="#">Gas</a> Emergency Protocol                        | <a href="https://www.aemo.com.au/energy-systems/gas/emergency-management/victorian-role">https://www.aemo.com.au/energy-systems/gas/emergency-management/victorian-role</a>   |
| 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> |
| Distribution Operation Procedures      | Wholesale Market Distribution Operation Procedures (Victoria) |   |
| Gas Quality Monitoring Procedures      | Wholesale Market Gas Quality Monitoring Procedures (Victoria) |   |
| Management Procedures                  | Wholesale Market Management Procedures (Victoria)             |   |
| Metering Procedures                    | Wholesale Market Metering Procedures (Victoria)               |   |
| Market Operations Procedures           | Wholesale Market Operations Procedures (Victoria)             |   |
| Settlement Procedures                  | Wholesale Market Settlement Procedures (Victoria)             |   |
| System Security Procedures             | Wholesale Market System Security Procedures (Victoria)        |   |

## 2. ~~General~~ Maintenance planning process

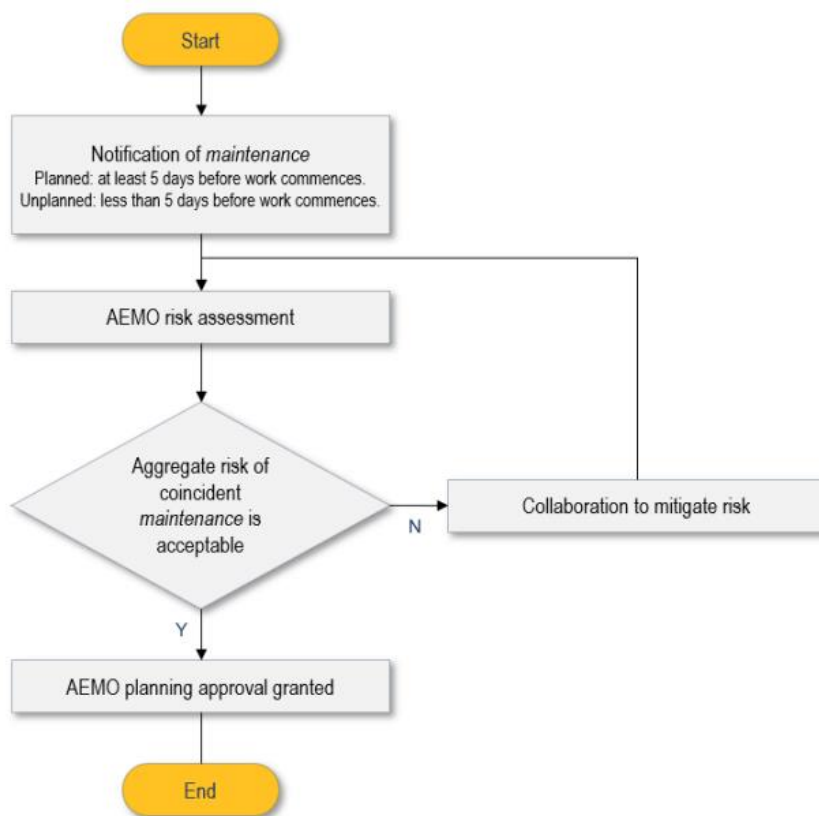
### 2.1. ~~MAINTENANCE COORDINATION PROCESS~~ Overview of maintenance planning process

The AEMO maintenance planning process is completed in ~~two~~ [the maintenance planning review phase \(this section\)](#) and the [undertaking maintenance](#) phases (see section 3).

The ~~first addresses~~ maintenance planning [review phase](#) and is performed in advance of the proposed work. This approach is depicted in the flow chart of Figure 1.

~~The second phase manages risk on the day of the maintenance work. This approach is depicted in Figure 2.~~

Figure 1 Maintenance planning process flowchart



### 2.2. ~~Types of equipment~~ [Facilities and equipment subject to maintenance planning review](#)

Without limitation, maintenance ~~may includes~~ work conducted on the following ~~types of facilities and equipment~~:

[\(a\) In relation to DWGM facility operator's:](#)

[\(i\) gas production facility; storage facility or blend processing facility;](#)

- (ii) ~~Pipelines~~ equipment as defined in rule 326(8), including pipeline equipment which may incorporate compressor stations, valves, city gates, pressure reduction stations;
  - ~~(a)(iii)~~ gas quality monitoring system;
  - ~~(b)(iv)~~ gas-metering installation equipment; and
  - ~~(e)(v)~~ communication link equipment; and
  - (vi) control equipment.
- (b) In relation to a responsible person for a metering installation:
- (i) metering installation;
  - (ii) communication link equipment;
  - (iii) control equipment.
- (c) In relation to responsible gas quality monitoring providers:
- (i) gas quality monitoring system;
  - (ii) communication link equipment;
  - (iii) control equipment.
- (d) In relation to a distribution connection facility operator's:
- (i) gas production facility, storage facility or blend processing facility;
  - (ii) equipment as defined in rule 326(8), including pipeline equipment which may incorporate compressor stations, valves, city gates, pressure reduction stations;
  - (iii) gas quality monitoring system;
  - (iv) metering installation;
  - (v) communication link equipment; and
  - (vi) control equipment.

## 2.3. Notification of maintenance

### 2.3.1. Facility operator's notification of maintenance

~~Notification of maintenance must be provided to AEMO by DWGM facility operators where, in AEMO's opinion, work may affect:~~

Facility operators must send a notification to AEMO of maintenance where, in AEMO's reasonable opinion, work carried out by the facility operator may affect:

- (a) the supply of gas through the Market, or ~~AEMO's ability to supply gas through the declared transmission system~~; or
- (b) AEMO's ability to operate the ~~declared transmission system~~ DTS; or
- (c) the declared transmission system DTS capacity; or
- (d) system security; or
- (e) the efficient operation of the ~~declared transmission system~~ DTS generally,



and includes work carried out on *pipeline equipment* but does not include maintenance required to avert or reduce the impact of an emergency.

~~DWGM~~ Facility operators must consult with AEMO if they are unsure if work is considered maintenance, ~~or a~~ Alternatively the ~~DWGM~~ facility operator may regard the work as maintenance and notify AEMO in accordance with the requirements of these Procedures.

~~Work required to avert or reduce the impact of an emergency must be communicated to AEMO immediately in accordance with the information exchange and release requirements detailed in section 2.3.7. For the purposes of Rule 326(3), planned maintenance and unplanned maintenance is to be provided to AEMO as a notification of forecast maintenance.~~

### ~~2.3.1.~~ 2.3.2. Information exchange and release Submission of maintenance information

~~Procedures for the exchange of information under these Procedures are given in the Wholesale Market Electronic Communication Procedures (Victoria). Information must be exchanged via at least one of the methods listed in Table 1. Information must be submitted by at least one of the methods listed in the following table.~~

**Table 3 Methods for exchange of maintenance information**

| Method of information exchange | Maintenance Forecast <u>Notification</u> | Emergency Maintenance Notification | <u>Facility Release Request</u> | AEMO Notification / Response |
|--------------------------------|--|------------------------------------|---------------------------------|------------------------------|
| Phone                          |  | X                                  | X                               | X                            |
| Email                          | X  |                                    |                                 | X                            |
| Fax                            |  |                                    | X                               | X                            |
| Radio                          |  | X                                  | X                               | X                            |

~~Maintenance information supplied to AEMO by participants is protected by policies, as required by rule 138AB of the NGR, from unauthorised use or disclosure. AEMO may disclose information only in the circumstances permitted under 91G of the National Gas Law.~~

### ~~2.3.3.~~ Maintenance forecasts Timing of forecast maintenance submissions

~~DWGM~~ facility operators that intend to perform maintenance must provide AEMO with notification of the maintenance forecasts in accordance with ~~rule~~ rule NGR 324(4), given as follows:

- (a) rule 324(1)(a) – annual forecasts for each year in the 5 year period commencing on each 1 January must be provided to AEMO by 30 September in the immediately preceding year.
- (b) rule 324(1)(b) – monthly forecasts for each month in the 12 month period commencing on each 1 January must be provided to AEMO by 30 September in the immediately preceding year.
- (c) rule 324(4) – week-ahead forecasts commencing from Monday in each week which must be provided to AEMO by no later than the immediately preceding Wednesday.
- (d) rule 324(5) – as soon as practicable having regard to the nature of the change if it becomes aware of a material change to information previously provided, ~~as required forecasts for any material change to information previously provided in an annual, monthly or week-ahead forecast, provided as soon as practicable having regard to the~~

~~nature of the change after the DWGM facility operator becomes aware of the material change.~~ A material change is defined in section 2.3.4.

Distribution connected facility operators, responsible persons for metering installations and responsible gas quality monitoring providers that intend to perform maintenance must provide to AEMO the maintenance forecasts in accordance with the timings in this section 2.3.3.

#### 2.3.4. Material changes in forecast maintenance

A material change in a forecast maintenance is any variation to the forecast that, in AEMO's opinion, may or will impact:

~~(d)~~ (a) the supply of gas through the Market, or AEMO's ability to supply gas through the system;  
or

~~(e)~~ (b) AEMO's ability to operate the declared transmission system DTS; or

~~(f)~~ (c) declared transmission system DTS capacity; or

~~(g)~~ (d) system security; or

~~(h)~~ (e) the efficient operation of the declared transmission system DTS generally.

~~DWGM~~ Facility operators must consult with AEMO if they are unsure if a change to information previously provided is a material change, or alternatively the ~~DWGM~~ facility operator may regard the change as a material change and notify AEMO in accordance with the requirements of these Procedures.

~~As required~~ Updated maintenance forecasts may also include maintenance that was not previously listed in a forecast.

AEMO may consider the updated maintenance forecast as either ~~planned maintenance or unplanned maintenance.~~

AEMO's maintenance planning review may consider unplanned maintenance subject to time constraints on completing the maintenance planning review. ~~For the purposes of maintenance forecast planning approval, as required maintenance that is notified to AEMO within 5 days of the day on which that maintenance is due to commence will be treated as unplanned maintenance. Notification of maintenance, including an as required forecast, that is given at least 5 days prior to the day on which that maintenance is due to commence will be treated as planned maintenance.~~

#### ~~2.3.2.~~ 2.3.5. ~~Maintenance forecast~~ information

Maintenance forecasts, as required by rule 324(4) and these Procedures, must ~~provide the following information in accordance with NGR 324(4)~~ include:

- (a) the availability of *equipment*;
- (b) details of any constraints on the availability of *equipment*;
- (c) the time and duration of any proposed maintenance;
- (d) full details of the proposed maintenance;
- (e) the longest period likely to be required to recall into operation relevant *equipment* during the course of maintenance; and

- (f) operational requirements for maintenance to be performed including:
  - (i) the gas pressure under which the maintenance will be performed;
  - (ii) ~~gas~~ requirements for testing; and
  - (iii) test operations required.

## 2.4. AEMO's maintenance planning review

### 2.4.1. Maintenance ~~forecast~~ planning review process approval

AEMO ~~provides~~ undertakes a maintenance planning approval review of ~~planned, and where possible unplanned, maintenance forecasts~~ forecast maintenance (including planned maintenance and unplanned maintenance) to give ~~the DWGM facility operator~~ Registered participants assurance that the proposed maintenance will minimise any threat to system security ~~be approved when requested (refer section 4).~~

AEMO will, having regard to information provided by *Registered participants*, ~~coordinate~~ review forecast maintenance to minimise any threats to system security as a consequence of the unavailability of *equipment* undergoing maintenance.

~~Unplanned maintenance may not obtain planning approval if AEMO does not have sufficient time to complete the assessment process. The time to complete the assessment will depend on the complexity of the proposed maintenance assessment.~~

~~A DWGM facility operator that intends to conduct maintenance without planning approval must still submit a maintenance request in accordance with section 4.~~

### ~~2.4.1. Assessment of Risk~~

~~AEMO grants approval of maintenance requests where the aggregated risk of all DWGM facility operator maintenance being performed at the time is assessed as acceptable. This risk-based assessment in regard to the maintenance planning review is detailed in section 2.4.28, and will include consideration of the following:~~

- (a) prior maintenance planning approval review and the conditions specified for that prior approval review (if applicable); and
- (b) system and environmental conditions present at the time of work.

Maintenance planning review Approval of an unplanned maintenance request is subject to AEMO determining at the time that:

- (c) maintenance can be safely performed concurrently with other maintenance that have completed their maintenance planning approval review and *emergency work*; and
- (d) the aggregate risk of all ~~DWGM~~ facility operator maintenance and *emergency work* is acceptable.

Planned maintenance will be preferentially approved over unplanned maintenance where AEMO determines the risk of conducting maintenance concurrently is not acceptable.

AEMO will consider the impact of any concurrent *emergency work* in the evaluation of risk from planned maintenance and unplanned maintenance.

AEMO grants maintenance planning review approval ~~of to~~ maintenance requests where the aggregated risk of all facility operators' maintenance being performed at the time is assessed as acceptable. ~~Maintenance with planning approval, that has completed AEMO's maintenance planning review,~~ is still subject to the facility operator requesting a facility release to undertake maintenance as detailed in sections 3.2, ~~the obligations detailed in sections 4 and 5 unless otherwise agreed with AEMO or specified in an approved operating agreement.~~

#### 2.4.2. ~~Risk management~~ assessment and management

AEMO will consult with ~~DWGM~~ facility operators to plan maintenance to minimise *Market* impact and any threats to *system security* as a consequence of the unavailability of *equipment* undergoing maintenance. This will be performed via a risk-based assessment that will include consideration of the following:

- ~~(e)~~(a) Constraints on the availability of *equipment*;
- ~~(f)~~(b) Time, duration and recall period of maintenance;
- ~~(g)~~(c) System conditions required to perform maintenance;
- ~~(h)~~(d) Impact on system security from the unavailability of *equipment*;
- ~~(i)~~(e) Anticipated environmental and system conditions present at the time of maintenance;
- ~~(j)~~(f) Other proposed *facility operators'* maintenance occurring concurrently; and
- ~~(k)~~(g) Risk mitigation options to minimise potential threats to *system security*.

AEMO will use the requirements of the Gas Safety (Safety Case) Regulations 2018 and the Australian Standards as the minimum threshold for evaluation of risk. The qualitative risk assessment process, as described by the Australian Standard for pipeline safety management, AS 2885.6, will be used as the basis for this assessment.

Control measures that minimise threats to system security as a consequence of the unavailability of *equipment* will be communicated to *facility operators* as a condition of the maintenance planning review approval.

#### 2.4.3. AEMO's response to a notification of forecast maintenance ~~Maintenance Planning Response~~

AEMO will attempt to respond to a notification of forecast maintenance with the outcome of the maintenance planning review by the time specified below. This timeline is dependent on the type of maintenance notification, as detailed below:

- (a) Annual and monthly forecasts provided by 30 September, will be responded to ~~at least~~ by 1 December of that year.
- (b) Week-ahead forecasts provided by 4pm on the immediately preceding Wednesday, as specified in section 2.3.3(c), will be responded to ~~at least~~ by 4pm on the immediately preceding Friday.
- (c) Unplanned maintenance forecasts will be responded to as soon as practicable.

AEMO's maintenance planning review process will be communicated as one of the options given in the following table.

**Table 4 Maintenance Planning ~~Review~~ Approval Outcomes**

| Assessment Outcome                                  | Explanatory note   |
|---|--|
| Approved  | <p><del>Planning approval granted enabling participant to progress planning activities. A request to conduct maintenance will be approved baring extenuating circumstances.</del></p> <p><u>Maintenance planning approval granted on the basis of AEMO's maintenance planning review determining that the maintenance in AEMO's opinion has minimised any threat to system security.</u></p>   |
| Conditionally Approved, (with specified conditions) | <p><del>Planning approval granted enabling participant to progress planning activities. A request to conduct maintenance will likely be approved subject to specified conditions.</del></p> <p><u>Maintenance planning approval granted, subject to specified conditions, required to minimise any threat to system security.</u></p>  |
| Not approved  | <p><del>The proposed maintenance presents an unacceptable threat to system security and/or operation that cannot be adequately managed and is not approved. A request to conduct this maintenance will not be approved.</del></p> <p><u>AEMO may not approve if it reasonably considers that any maintenance proposed by a facility operator does not, in AEMO's opinion, minimise any threats to system security caused by the maintenance.</u></p> |

AEMO may direct any maintenance by a:

- (a) DWGM facility operator to be delayed, suspended or cancelled under rule 326(5) which is discussed in section 3.6.1.
- ~~(d)~~ (b) Distribution connected facility operator, Registered participant that is a responsible person or Registered participant that is a responsible gas quality monitoring provider to be delayed, suspended or cancelled by direction under 91C of the NGL which is discussed in section 3.6.2.

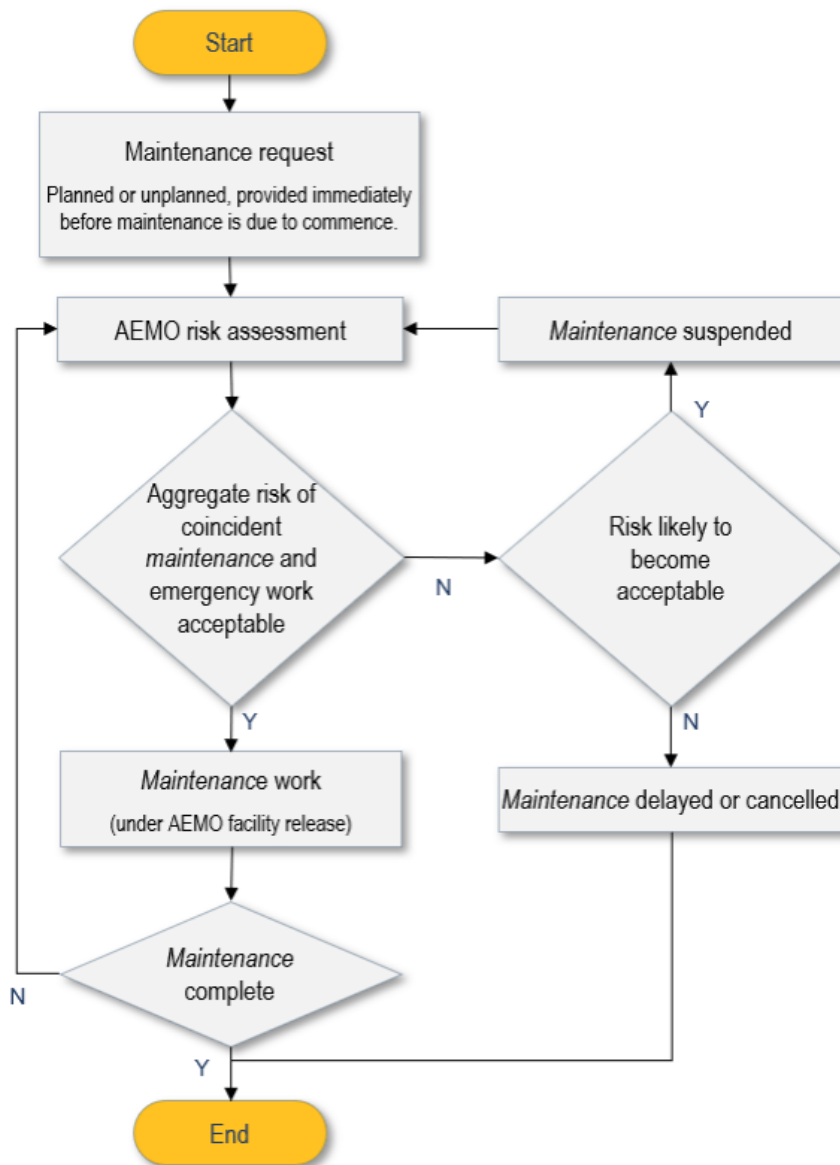
### 3. Undertaking maintenance

#### 3.1. Overview

This section covers how AEMO manages risk on the day of the maintenance work for maintenance within the DTS to be undertaken by the DTS SP, *responsible person for metering installations* and a *responsible gas quality monitoring provider*. This approach is depicted in Figure 2.

For the avoidance of doubt, a *DWGM facility operator's* (excluding the DTS SP) or *distribution connected facility operator's* maintenance, may result in a request for AEMO to apply a scheduling constraint reflecting the altered injection or withdrawal capacity in AEMO's schedule for the *gas day(s)* as outlined in section 3.2.2.

Figure 2 Performance of maintenance process flowchart



## 3.2. Requests to undertake maintenance

### 3.2.1. Request to carry out planned and unplanned Maintenance Requests

~~Unless otherwise agreed with AEMO, or as specified in an approved operating agreement, DWGM A facility operator (in particular DTSSPA The DWGM facility operator DTS SP, responsible person for metering installations and a responsible gas quality monitoring provider)~~ must request a facility release from AEMO as outlined in section 3.3, AEMO approval to initiate planned maintenance and unplanned maintenance, unless otherwise agreed by AEMO.

This request must be made immediately prior to the intended commencement of work and be communicated in accordance with the submission of maintenance information ~~information exchange and release~~ requirements detailed in section 2.3.2.

The maintenance request must include the following:

- (a) reference to prior planning approval (stating no approval if not previously received);
- (b) availability of relevant *equipment*;
- (c) details of the person making the request (name, organisation, contact details); and
- (d) anticipated commencement and completion time of proposed work.

The person making the request must be contactable for the duration of work via the details provided in the request.

### 3.2.2. Notification of a facility's scheduling constraint

A DWGM facility operator (excluding the DTS SP) and distribution connected facility operator maintenance may impact capacity at a market injection point or market withdrawal point capacity. This requires a facility operator to inform AEMO of the scheduling constraint as follows:

- (a) Planned maintenance, causing a scheduling constraint at a facility, should be submitted before D-2 at 11:00am (i.e. the D+2 schedule for gas day D) for gas day D.
- (b) Unplanned maintenance and emergency work, requiring a scheduling constraint at a facility, should be submitted as soon as possible.

A DWGM facility operator or distribution connected facility operator may request a scheduling constraint under the *gas scheduling procedures* or *distribution operational coordination procedure* respectively, reflecting the facility capacity limitation which will be entered into AEMO's market system.

These constraints will be published via a MIBB report to *Registered participants* and may be sent as a notification via SWN.

### 3.2.3. Notification of emergency work

A ~~DWGM~~ facility operator must notify AEMO of *emergency work* as soon as practicably possible. Notification must include relevant details of:

- (a) the breakdown or threatened breakdown; and



- (b) its proposed response to the breakdown or threatened breakdown.

The notification should also include the maintenance information specified in section 2.3.5, where available.

For the avoidance of doubt, *emergency work* may commence without AEMO approval. The *facility operator* must immediately notify AEMO of this *emergency work*.

### 3.3. AEMO's facility release to undertake maintenance

AEMO grants the DTS SP, responsible person for metering installations and a responsible gas quality monitoring provider~~facility operator~~ a facility release, in response to the request in section 3.2.1 and section 3.2.3, to remove *equipment* from service in order to undertake maintenance.

~~Approval of maintenance requests may be managed through the AEMO facility release process. Release will be granted on agreed conditions, that may relate to the:~~

A facility release may be granted by AEMO, and may specify conditions required to be followed to undertake the work that may relate to:

- (a) duration of work;
- (b) conditions specified in the planning approval; and
- (c) conditions specific to the environmental and system factors present at the time of maintenance.

Maintenance must be performed in accordance with the associated maintenance information and facility release unless a consent to change has been approved by AEMO. Consent to change will be assessed in accordance with AEMO's risk assessment and management process detailed in section 2.4.2.

AEMO will provide a facility release for a *gas day*, unless another time period is agreed with AEMO.

### 3.4. Initiation of maintenance

A facility operator must ~~undertakes~~ maintenance in accordance with the facility release~~as agreed with AEMO via the facility release~~ and/or the maintenance information reviewed in AEMO's maintenance planning review.

### 3.5. Update AEMO on outcome of maintenance

A facility operator must provide an update to AEMO if maintenance that is being undertaken will materially change in regard to the facility release and/or the maintenance information provided for the maintenance planning review.

A facility operator must promptly notify AEMO that the maintenance has been:

- (a) completed, in which case AEMO will close the facility release;-
- (b) extended, in which case AEMO may close the facility release and AEMO needs to undertake a maintenance risk assessment for extending maintenance across future gas days; or



- (c) delayed or cancelled, in which case AEMO will close the facility release and the work should be rescheduled by the facility operator for a future notification of forecast maintenance as per section 2.3.

### 3.6. AEMO direction to ~~Maintenance Approval~~ **delay, suspend or cancel maintenance**

#### 3.6.1. AEMO direction to DWGM facility operator in regard to maintenance

~~AEMO will coordinate and consult with the DWGM facility operator where AEMO determines that risk is or may become unacceptable to conduct or continue maintenance. This may result in AEMO issuing a direction to the DWGM facility operator to delay, suspend or cancel maintenance. The requirement to issue a direction will be determined in consultation with the DWGM facility operator and be based on the risk assessment process detailed in section 8.~~

AEMO will review maintenance by DWGM facility operators and consult with the DWGM facility operator where, in AEMO's reasonable opinion, as per rule 326(5) of the NGR:

- (a) the DWGM facility operator is conducting or proposing to conduct maintenance in a way that does not minimise threats to system security; and
- (b) the relevant equipment will not be materially damaged by deferring that maintenance.

AEMO may direct the DWGM facility operator to delay, suspend or cancel maintenance.

The need to issue a direction will be determined in consultation with the DWGM facility operator, and be based on AEMO's risk assessment, as detailed in section 2.4.2.

An AEMO direction will have following effect:

- (a) Delay: the maintenance has not obtained a facility release and will be re-scheduled to an alternate date.
- (b) Suspend: AEMO rescind a facility release with the intention that maintenance may recommence within the approved maintenance window. Maintenance must stop for the duration of the suspension.
- (c) Cancelled: AEMO rescind a facility release with the intention that maintenance will not recommence within the approved maintenance window. This work may be re-scheduled to an alternate period.

#### 3.6.2. AEMO direction to a non-DWGM facility operator in regard to maintenance

In relation to maintenance by distributions connected facility operators, Registered participants that are responsible persons for metering installations and Registered Participants that are responsible gas quality monitoring providers, AEMO may give a direction under clause 91BC of the NGL to undertake an action (e.g. to Delay, Suspend or Cancel maintenance as defined in section 3.6.1) in relation to the maintenance to maintain and improve the security of the declared transmission system or a declared distribution system.

In the event a Registered participant that is a responsible person or Registered participant that is a responsible gas quality monitoring provider flow unmetered or unmonitored gas during maintenance AEMO may, under clause 91BC of the NGL, direct the flow to cease.

## **4. Other matters**

### **4.1. East Coast Gas System maintenance planning function**

AEMO is responsible for the East Coast Gas System reliability and supply adequacy function. This function enables AEMO to direct relevant entities (i.e. facility operators) undertaking maintenance to mitigate an identified risk or threat to gas supply. This may include AEMO directing a facility operator using an East Coast Gas System direction to cease maintenance.

### **4.2. Victorian Gas Planning Report and Gas Statement of Opportunities function**

Information provided to AEMO under the maintenance planning function may be used to inform the Victorian Gas Planning Report and Gas Statement of Opportunities. These gas planning reports are expected to use the information submitted under rule 324 to inform the planning report.

### **4.3. Gas Bulletin Board reporting**

Maintenance information is required to be reported to the Gas Bulletin Board as part of the Short Term Capacity Outlook and Medium Term Capacity Outlook data submitted by some *BB reporting entities*.

AEMO, as the operator of the DTS, is responsible for submitting DTS maintenance forecasts.

These maintenance forecasts will impact the Short Term Capacity Outlook and Medium Term Capacity Outlook data for the DTS that AEMO submits to the Gas Bulletin Board.

## Past version release details

| Version | Effective date  | Summary of changes  |
|---------|-----------------|---|
| 3.0     | 22 April 2021   | Changes to take into account of National Gas Amendment (DWGM maintenance planning) Rule 2021 No. 4. |
| 2.0     | 14 October 2013 | Document update.  |
| 1.0     | 1 July 2009     | Initial version.  |