

WHOLESALE MARKET MAINTENANCE PLANNING PROCEDURES (VICTORIA)

PREPARED BY: Gas Real Time Operations

DOCUMENT REF: 281618

VERSION: 2.0

DATE: 14 October 2013

FINAL

This document is current to version 18 of the National Gas Rules

Approved for distribution and use



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Chief Operating Officer

Date 30/9/13

Version Release History

VERSION	DATE	AUTHOR	PEER REVIEW	APPROVED	COMMENTS
1	1 July 2009	Noel Murray			New NGR Procedure
2	14 October 2013	Leigh Atkins / Trent Shinnars		Damien Sanford	Revised procedure

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GLOSSARY

- (a) In this document, a word or phrase *in this style* has the same meaning as given to that term in the NGR.
- (b) In this document, capitalised words or phrases or acronyms have the meaning set out opposite those words, phrases, or acronyms in the table below.
- (c) Unless the context otherwise requires, this document will be interpreted in accordance with Schedule 2 of the National Gas Law.

TERM	MEANING
AEMO	Australian Energy Market Operator
DTS	Declared Transmission System
Maintenance	<p>Work carried out by service providers, Producers and Storage Providers that, in AEMO's opinion, may affect:</p> <ul style="list-style-type: none"> (a) AEMO's ability to supply gas through the declared transmission system; 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, <p>and includes work carried out on pipeline equipment but does not include maintenance required to avert or reduce the impact of an emergency.</p>
NGR	National Gas Rules

1 Introduction

This Wholesale Market Procedure for Maintenance is made in accordance with rule 326 (2) of the NGR.

If there is any inconsistency between this Procedure and the NGR, the NGR will prevail to the extent of that inconsistency.

2 Purpose

The purpose of this Procedure is to describe how AEMO manages the maintenance program on the DTS. It also details the approval process required prior to issuing an approval to commence maintenance.

3 Application

This Procedure applies to the DTS service provider, interconnected transmission pipeline service providers, Storage Providers and Producers.

4 Legal and Regulatory Framework

- National Gas Law
- National Gas Rules

5 Related Policies and Procedures

- AEMO's Gas Safety Case

6 Procedure

6.1 Responsibilities

6.1.1 AEMO

- Must make maintenance planning procedures and is responsible for the coordination of maintenance and implementation of this Procedure.
- Coordinate information provided by Registered participants under rule 324 (4) of the NGR to ensure that system security is not threatened as a consequence of the unavailability of equipment undergoing maintenance.

6.1.2 Registered Participants

A Registered participant is a person who participates, in a registrable capacity, in the declared wholesale gas market of an adoptive jurisdiction as provided under rule 135A of the NGR. These persons include DTS service provider, Producers, Storage Providers & interconnected transmission pipeline service providers.

6.1.2.1 Registered participants are required to:

- Submit to AEMO the information set out in rule 324(2) and, where relevant, 324(3) by the specified dates in rule 324(1). This includes:
 - Available, and prospective supply available, and source of that supply
 - Storage capacities, projects and operating parameters
 - Peak daily demand and anticipated material constraints
- Notify AEMO of any changes to this information in accordance with rule 324(5).
- Submit to AEMO the following maintenance forecast information in accordance with rule 324(1):
 - Annual forecasts for each year in the 5 year period commencing on 1 January by 30 September.
 - Monthly forecasts for each month in the 12 month period commencing on 1 January by 30 September.
- Notify AEMO as soon as practicable of any material changes in planned maintenance or forecast capacity previously notified to AEMO.
- Notify AEMO immediately details of its proposed response to a breakdown or threatened breakdown of equipment.

6.1.2.2 Service providers and Storage Providers

In addition to the requirements set out in paragraph 6.1.2.1, these parties must also ensure the maintenance forecasts include the following information together with the information set out in rule 324 (4):

- Availability of equipment
- Details and duration of the maintenance
- Recall period and operational requirements

6.2 Maintenance Categories

The maintenance described in this Procedure is divided into two main categories: Planned Maintenance and Unplanned Maintenance.

6.2.1 Planned Maintenance

Planned Maintenance applies to Storage Providers and the DTS service provider. This includes the following:

- Maintenance, constraining or having potential to constrain gas injections into the DTS from a gas storage facility for a known period of time
- Forecast work by the DTS Service Provider which is conditionally approved by AEMO.
- If there is a change to a maintenance plan, the relevant Storage Provider and/ or relevant service provider must notify AEMO by fax or email as set out in Clause 6.6.1, by 4:00pm on the business day prior to maintenance being conducted. AEMO will then assess the impact on its operations. AEMO will not unreasonably withhold an approval for planned maintenance.

6.2.2 Unplanned Maintenance

Unplanned Maintenance is maintenance which has not been forecast or scheduled. This includes the following:

- Maintenance that constrains or has the potential to constrain gas injections
- Breakdowns
- Maintenance that is typically carried out to avert immediate safety or environmental hazards or to correct failures that cause a loss of system availability, reliability or spare capacity.

It should be noted that under some circumstances, communication to AEMO may not be immediately feasible, for example when trying to protect personnel, environment or property. AEMO should, in such circumstances, be notified by Fax/ email, or where otherwise agreed in operational arrangements with AEMO, in accordance with Clause 6.6.1 as soon as reasonably practicable.

In accordance with rule 326(7), if AEMO becomes aware of defective equipment that could adversely affect system security, AEMO must promptly provide all relevant service providers and Storage providers with full details of the defect.

AEMO will advise relevant parties in writing details of the maintenance that needs to be addressed.

6.3 Types of Equipment

The DTS service provider, interconnected transmission system service providers and Storage Providers must advise AEMO when they are taking equipment off line that may impact the capacity of the DTS.

6.4 Notification of Maintenance

All Registered participants must submit to AEMO maintenance forecast information in accordance with the requirements in 6.1.2.1

Registered participants must notify AEMO as soon as practicable if there are changes to maintenance forecasts.

The DTS service provider, interconnected transmission pipeline service providers and Storage Providers must also provide AEMO week-ahead forecasts, where relevant to the operation or security of the DTS, commencing from Monday in each week. This must be provided to AEMO no later than the immediately preceding Thursday at 4:00 PM.

All forecasts must be faxed to **(03) 9609 8296** or emailed to: **Gas.Maintenance@AEMO.com.au**.

6.5 Requests to Carry Out Maintenance (Facility Release)

On the day of forecast maintenance and work, prior to commencement, service providers and Storage Providers must contact AEMO to gain its approval via AEMOs Facility Release process.

For planned maintenance, all requests must be communicated via phone to the AEMO Gas Control Room on **(03) 9609 8255**.

For unplanned maintenance, all requests must be communicated via fax on **(03) 9609 8296** or via email to: **OPS_Centre@AEMO.com.au**. The request should then be followed up via phone to the AEMO Gas Control Room on **(03) 9609 8255**.

6.6 Risk Assessment and Management

Where AEMO considers that maintenance may threaten system security, supply, or operation of the DTS, a risk assessment will be conducted. This will take place in accordance with the AEMO Review and Approval Process.

6.6.1 AEMO Review and Approval Process

AEMO uses a risk based approach to assess the risk for all maintenance activities to ensure compliance with its Gas Safety Case. Any significant impacts will be discussed with the relevant parties. If deemed appropriate, AEMO may invite third parties to participate in a risk assessment.

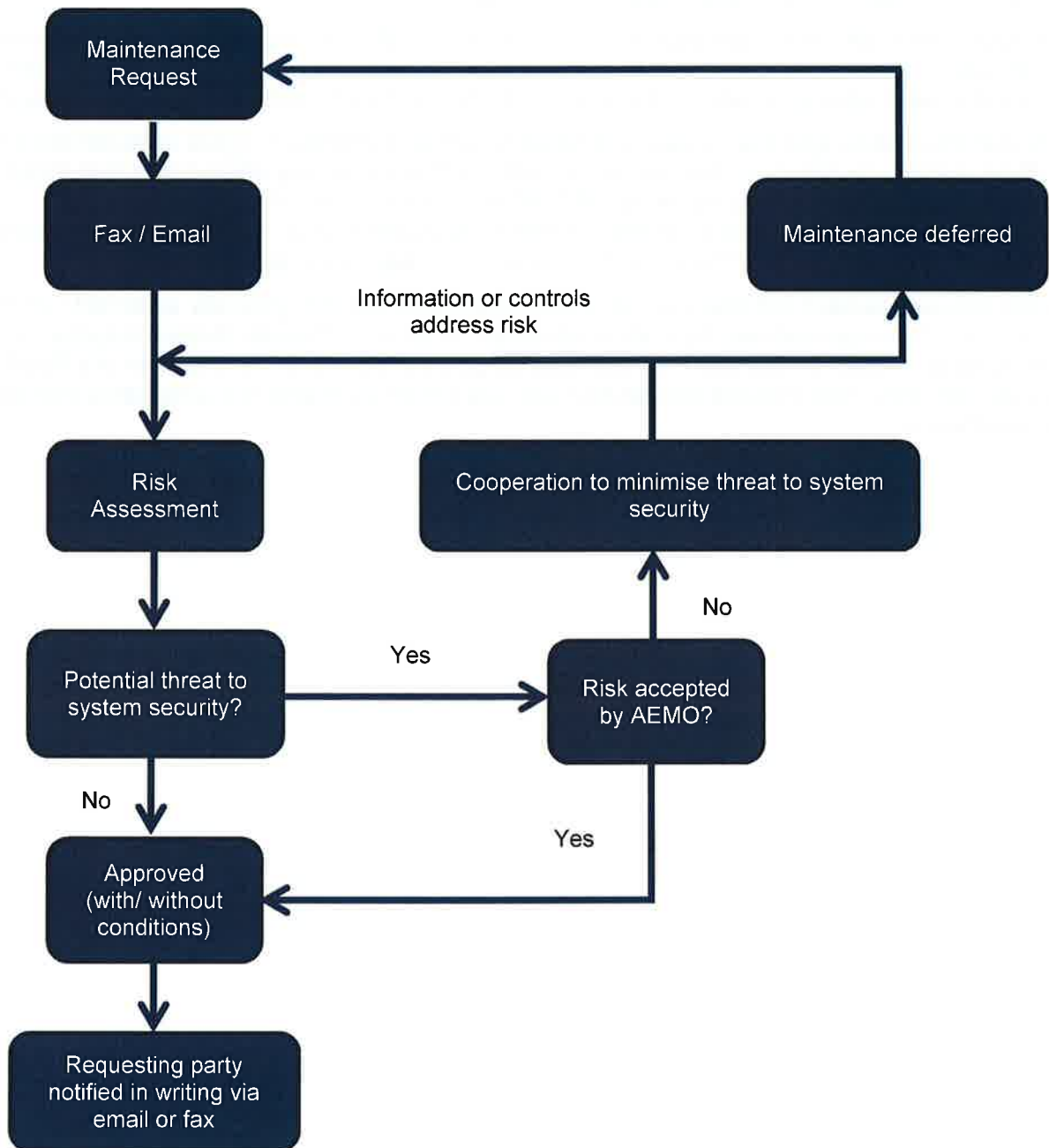
As part of AEMO's approval process the following will be considered: Types of equipment taken offline, system conditions on the day, equipment recall times, or any other matter that might adversely affect system security of the DTS. AEMO may also consider the timing of the maintenance and may direct a service provider or Storage Provider to cancel, delay or suspend any maintenance if in AEMO's reasonable opinion, in accordance with rule 326 (5).

After risk assessment and approval, all maintenance activities are generally approved "on the day". If any maintenance proposed by a service provider or Storage Provider threatens system security the service provider or Storage Provider must co-operate with AEMO to minimise any threat to system security. This includes cooperation with any condition of approval associated with the maintenance.

6.6.2 AEMO Maintenance Review and Approval Flow Chart

The diagram below represents AEMO's process for reviewing maintenance requests. Maintenance request refers to the process for Planned or Unplanned Maintenance.

Diagram 1: Maintenance Review and Approval Flow Chart



6.7 Confidentiality Information

Information provided to AEMO under rule 324 is confidential information under the NGR. AEMO may disclose that information only in the circumstances permitted under section 91G of the National Gas Law.

