

# EMMS - Technical Specification - August 2025EMMS - Technical Specification - April 2025 1.01 March 1.00 February 2025

Pre-production: Thursday 17 July Monday

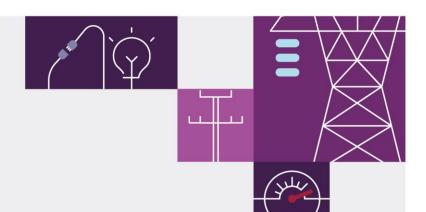
**April** 2025 (TBC)

Production: Thursday 7 August 24 April

2025 (TBC)







# Important notice

#### Purpose & audience

This document describes the technical changes required to participant's systems for the EMMS - Technical Specification - <u>AugustApril</u> 2025 (Release). The Australian Energy Market Operator (AEMO) provides this information as a service targeting business analysts and IT staff in participant organisations. It provides guidance about the changes to their market systems under the National Electricity Rules (Rules), as at the date of publication.

#### How to use this document

- If you have questions about the business aspects of these changes, please see Consultations on AEMO's website.
- The references listed throughout this document are primary resources and take precedence over this document.
- Unless otherwise stated, you can find resources mentioned in this guide on AEMO's website.
- Text in this format is a link to related information. Some links require access to MarketNet.
- Text in this format, indicates a reference to a document on AEMO's website.
- Text in this format is an action to perform in the Markets Portal.
- This document is written in plain language for easy reading. Where there is a discrepancy between the Rules and information or a term in this document, the Rules take precedence.
- Glossary Terms are capitalised and have the meanings listed against them in the Glossary.
- Rules Terms have the meaning listed against them in the National Electricity Rules (Rules).

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#### Distribution

Available to the public.

#### **Document Identification**

Prepared by: AEMO Digital

Last update: Thursday, 27 March 2025 1:03 PM

#### **Version History**

1.01 1.00 Initial creation

#### Documents made obsolete

The release of this document changes only the version of <u>EMMS - Technical Specification - August 2025</u><u>EMMS - Technical Specification - April 2025</u>.

## **Support Hub**







To contact AEMO's Support Hub use Contact Us on AEMO's website or for urgent matters phone. 1300 AEMO 00 (1600.



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# 1 Introduction

#### 1.1 Audience

AEMO provides this information as a service targeting business analysts and IT staff in participant's organisations.

The primary audience for this technical specification is:

- Registered scheduled, semi-scheduled, and non-scheduled generators.
- Non-registered scheduled, semi-scheduled, and non-scheduled generators.

### 1.2 Objective

The EMMS - Technical Specification - <u>AugustApril</u> 2025 (Release) describes the projects planned by AEMO from a participant perspective and includes any system related changes for participants.

#### 1.3 Status

Version	Status
1.01	Updates the pre-production and production dates. We still expect changes to the design while development and testing are in progress.
1.00	Updated version based on the design. We still expect changes to the design while development and testing are in progress.
0.01	

Initial Draft for review.

Presents the EMMS - Technical Specification - August April 2025 evolving design.

Please send feedback to **Contact Us**. In the **Details of your enquiry** section, mention the EAS Knowledge Management team as the Resolver group.

#### 1.4 Release dates

Scheduled for implementation in:

Pre-production: <u>Thursday 17 July Monday 7 April</u> 2025 (TBC)

Production: Thursday <u>7 August</u><del>24 April</del> 2025 (TBC)

## 1.5 Projects and enhancements

Changes and enhancements for this Release include:

No.	Functionality	Change	Affected interface	Reference
1	Generator surveys	New Generator Information Survey Application for generator surveys	New Generator Information Survey Application > Generator Surveys	Generator Information Survey Application
		New generator surveys in Markets Portal	Existing Markets Portal > Supply Forecasting > Generator Surveys	Markets Portal
		Decommissioning the generator surveys in the Application Portal	Existing Application Portal > Supply Forecasting > Generator Surveys	

## 1.6 Rule and procedure changes

The following rules and procedures take precedence over technical specifications and guides.

These are rules and procedures related to generator surveys:

Title		
Generator Performance Standards		
NER section 3.13.3		
NER section 5.20		
NEL section 49		

#### 1.7 Related technical specifications

Title	Description
N/A	

#### 1.8 Related documents

Once published, these resources take precedence over this technical specification

These guides and resources are updated according to this technical specification and published for the pre-production Release Date.

Title	Description	Status
Market Portal Help	Updates the guide to generator surveys  Decouples the guide to System Access Management	Not started
Application Portal Help	Decommissions the guide to generator surveys	Not started
AEMO's Website	Updates URL to the new portal	Not started

## 1.9 Approval to change

There is no approval or agreement to change required from participant change controllers for this Release.

## 1.10 Market systems user group meetings

The Market Systems User Group (MSUG) is an industry user group established to discuss NEM wholesale and retail IT systems releases. Its purpose is to facilitate the continuing improvement of AEMO's IT systems by seeking feedback and collaboration from participants.

MSUG meetings are open to all interested parties, with invitations sent to all included on the distribution list. If you have a technical question for a project and want to attend the MSUG ask your company's support team to include your email address in their **AEMO Help Desk Bulletin** (**CRM**) distribution list.

#### 1.11 Version numbers

AEMO releases new versions of this document as the technical requirements are streamlined.

Incremental version numbers such as 1.01, 2.01 and so on mean there is a minor change to the technical specification.

Major version numbers such as 1.00, 2.00 means there are substantial changes to the technical specification. Participants must carefully review these changes, detailed below.

#### 1.12 Changes in this version

The changes in this version include:

- Adds information about generator survey management.
- Adds information about contact <u>us and guidemanagement</u>.
- Updates information about pre-production and production dates, see Proposed
   Timeline.

# 2 Proposed Timeline

All dates in this section are tentative and are subject to change.

The dates for the Market System User Group Meetings (MSUG) are tentative. We will provide an invitation one week prior to the meeting.

Milestone	Date	Description
Approval required	N/A	Final date for participant approval of this Release
Revised Technical Specification	25 April 2025 24 March 2025	AEMO releases new versions of this document as the technical requirements are streamlined. During the project this document is the source of truth
		From the production release, the technical specification becomes final and the <b>related documents</b> become the source of truth
		Technical Specification Portal
Related Documents publication	Thursday 17 JulyMonday 7 April 2025 (TBC)	Release of guides and resources mentioned in Related on page 10
Next MSUG	2 April 2025 9 April 2025	Market Systems User Group Meeting (MSUG) to review the technical specification and ask AEMO technical SMEs questions
		This date is tentative. The Knowledge Management Team provides the invitation prior to the meeting
Pre-production refresh	24 February 2025 – 28 February 2025	Refresh of the pre-production system with data refreshed from the production system. An outage of up to five days can occur to the pre-production environment during this period. Participant access is not restricted, however, AEMO do not guarantee the pre-production data content or system availability. During the refresh, access to other AEMO systems such as AWEFS, EMMS, OPDMS, and STTM may be intermittently affected

Milestone	Date	Description
Pre-production implementation	14 July 20254 April 2025 – Thursday 17 JulyMonday 7 April 2025 (TBC)	AEMO implements components of the Release to pre-production for participant testing
		AEMO has full access to the system during this period
		Participant access is not restricted; however, the data content or system availability is not guaranteed
Pre-production available	Thursday 17 JulyMonday 7 April 2025 (TBC)	Testing period begins for participants
Production implementation	4 August 202522 April 2025 – Thursday 7 August24 April 2025 (TBC)	AEMO implements the release to production
Production systems available	Thursday <u>7 August</u> 24 April 2025 (TBC)	Production systems available to participants
		Existing and new surveys available to participants
Current generator survey application not available	21 July 202521 April 2025 (TBC)	The current Generator Survey application in Markets and Application Portal is no longer available to the participants.

# 3 Participant Impact

<u>Pre-production and production dates have moved, see **Proposed Timeline**.</u>

Registered Participants can comply with this release without making any changes to their systems.

To comply with this release, Non-Registered Participants must:

- Use the new Generator Information Survey Application to complete the generatorgeneration surveys.
- Use the new User management for Non-Registered Participants to manage a new user contact.

# 4 Generation Information System Enhancements

Generator surveys are a part of the NER process. AEMO uses generator surveys to collect data on existing and future electricity generation in the NEM which is crucial for AEMO's planning and forecasting functions.

#### 4.1 Goal

The GISE project focuses on:

- Improving the system usability.
- Enhancing the submissions quality.
- Implementing better access management.

It introduces the following improvements:

- Making it easier to complete generator surveys with a new Generator Information Survey Application.
- Saving time by pre-filling sections when users create a new survey version.
- Reducing completion time by streamlining the sections, removing redundant questions, and improving on-screen validations.
- Simplifying the process by redesigning questions for quick yes or no answers.

## 4.2 High-level changes

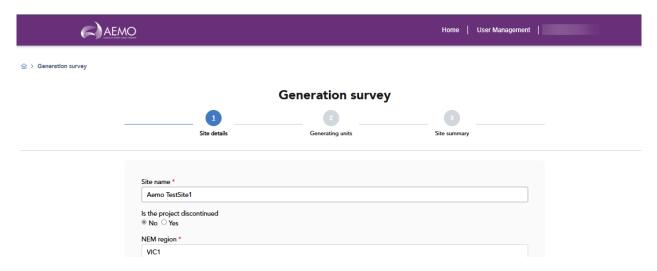
Function	Description	Reference
Markets Portal	New generation surveys in the Markets Portal for Registered Participants	Markets Portal
Application Portal	Decommissioning of generator surveys application in the Application Portal	
Generator Information Survey Application	New generation surveys in the new Generator Information Survey Application for Non-Registered Participants	Generator Information Survey Application

Function	Description	Reference
User Management	New user management process in the Generator Information Survey Application for Non-Registered Participants	User management for Non-Registered Participants

#### 4.3 Generator surveys

The changes to the surveys are:

 The survey is now categorised into 3 sections, Site details, Generating units, and Site Summary. The screenshots used in this section are examples only and the final web screen may be different.



# 4.4 Survey questions

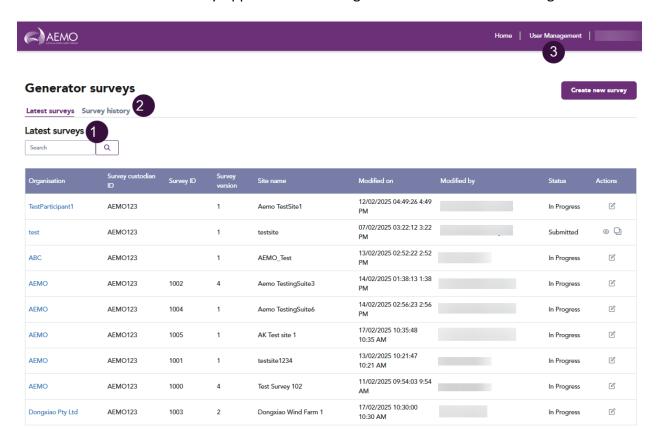
To improve the questions, we are:

- Redesigning most of the questions to allow simple yes or no answers, numeric and multiple-choice options.
- Prefilling relevant sections in editable mode when a new version of a survey is created.
- Removing the redundant questions such as primary fuel type, secondary fuel type and more.

# 5 Generator Information Survey Application

We have redesigned the interface to have:

- 1. A new **Latest Surveys** view, displaying only the latest version of the survey to avoid confusion when updating a survey.
- 2. A new Survey History view, displaying all historical versions.
- A new User Management view, allowing all Non-Registered Participants with access to Generator Information—Survey Application to manage all user contacts of their organisation.



# 5.1 User management for Non-Registered Participants

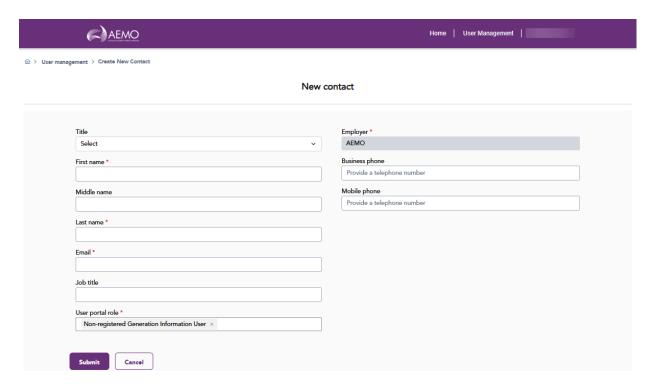
For Non-Registered Participants only.

The new user management allows all Non-Registered Participants with access to Generator Information-Survey Application to add, edit, or deactivate a user contact to complete a generator survey.

#### 5.1.1 Adding a new contact

#### To add a new user:

 Go to Generator Information Survey Application > User Management > Create new contact.

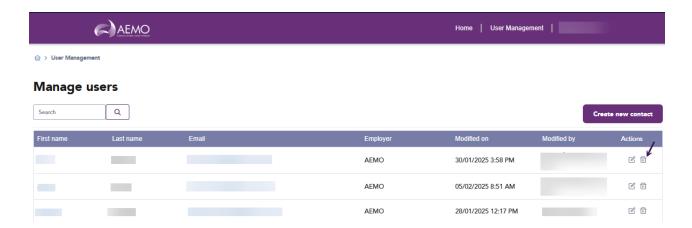


- 2. Add the new contact's details.
- 3. Under **User portal role** select, Non-registered Generation Information User.
- 4. Click Submit.
- 5. <u>TheWhen AEMO approves the request, the</u> new contact receives an email with the signup details.

#### 5.1.2 Deactivating a contact

#### To deactivate a user:

- 1. Go to Generator Information Survey Application > User Management.
- 2. Under Actions click bin icon.

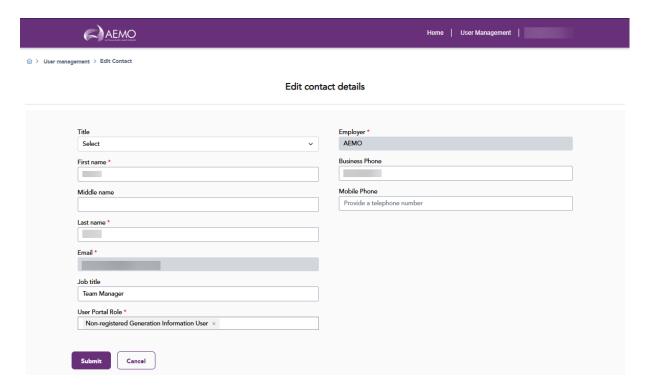


3. The contact is deactivated.

#### 5.1.3 Editing a contact

#### To edit a user details:

- 1. Go to Generator Information Survey Application > User Management.
- 2. Under Actions click edit icon.
- 3. Edit the details and click Save and exit.



#### 5.1.4 Searching and sorting contacts

You can search and sort all the fields in the table.



#### **Searching**

- 1. In the **Search**, enter the value you want to search.
- 2. Click  $^{\mathbb{Q}}$  or on your keyboard, press the **Enter key**.

#### Sorting

You can sort the table by clicking on any column heading.

## 5.2 Signing up as a non-registered participant

For Non-Registered Participants only.

#### 5.2.1 Prerequisites

#### See Adding a new contact

#### 5.2.2 Process

#### To sign up:

- 1. Set a password and multi-factor authentication (MFA).
- 2. You are logged in once sign up is complete.

We will provide more information

in a later version.

## 5.3 Logging in as a non-registered participant

For Non-Registered Participants only.

#### To login:

- Go to the Generator Information Survey Application login page.
- We will provide more information in a later version.

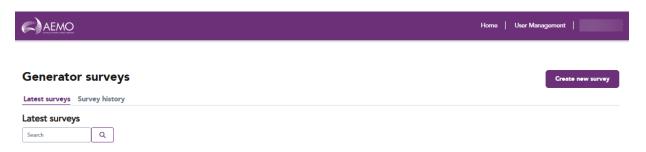
- 2. Click Login.
- 3. Enter your credentials and authenticate using the authenticator app to login.

## 5.4 Manage surveys

#### 5.4.1 Creating a new survey

To create a new survey:

- 1. Go to Generator Information Survey Application > Home.
- 2. Click Create new survey.



- 3. Click on Start survey.
- 4. Complete the 3 sections of the survey:
  - a. Site details
  - b. Generating units
  - c. Site summary



5. Click on Submit.

#### 5.4.2 Editing a survey

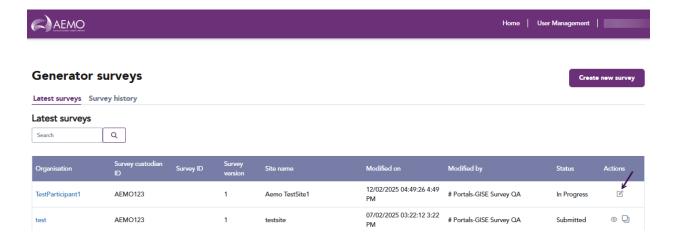
#### **Prerequisite**

The survey status is In Progress.

#### **Process**

#### To edit a survey:

- 1. Go to Generator-Information Survey Application > Home.
- 2. Under Actions, click edit icon.



- 3. Edit the required fields
- 4. Click Save and exit.

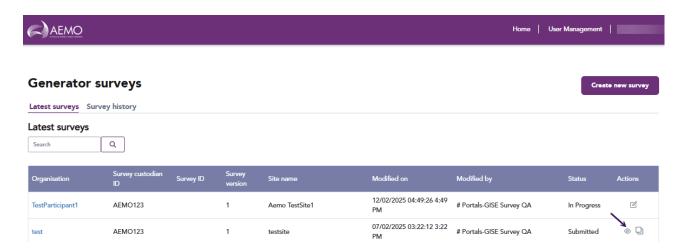
#### 5.4.3 Searching and sorting surveys

Same as Searching and sorting user contacts

#### 5.4.4 View a submitted survey

#### To view a submitted survey:

- 1. Go to Generator Information Survey Application > Home.
- 2. Under Actions, click eye icon.



3. The survey opens in read-only mode.

#### 5.4.5 Submitting a survey

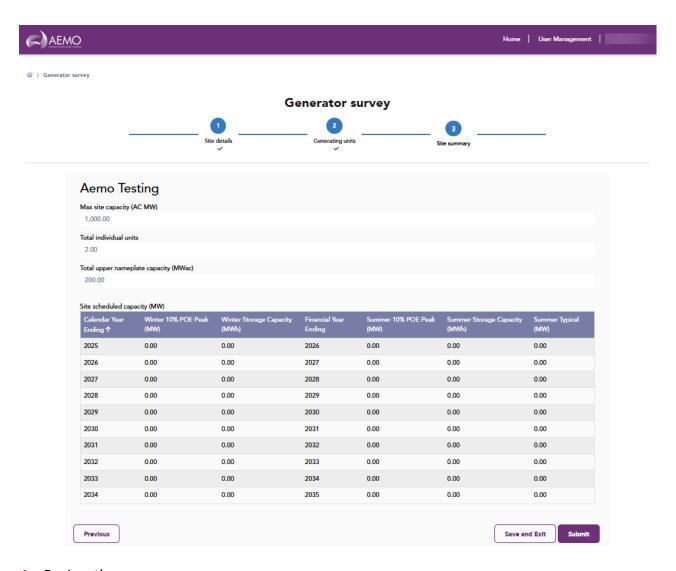
#### **Prerequisite**

The survey status is In Progress.

#### **Process**

#### To submit a survey:

- 1. Go to Generator Information Survey Application > Home.
- 2. Under Actions, click edit icon.
- 3. Use Next and Previous button to navigate to Site summary.



- 4. Review the summary.
- 5. Click Submit.

#### 5.4.6 Creating a new version of a survey

#### **Prerequisite**

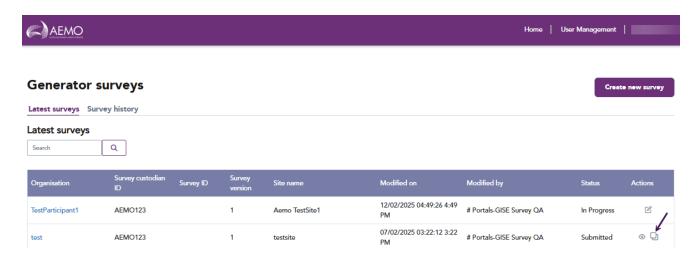
The survey status is **Submitted**.

#### **Process**

To create a new version of a survey:

1. Go to Generator Information Survey Application > Home.

2. Under Actions, click clone icon.



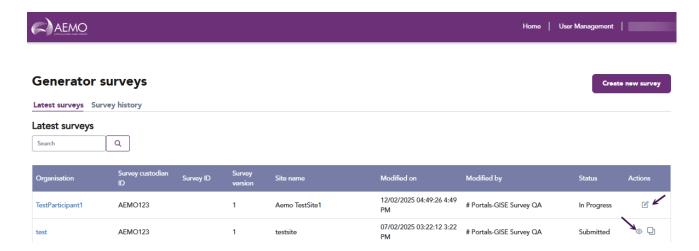
- 3. A new version of the survey is getting created message displays on the screen.
- 4. The new survey version opens in editable mode with prefilled sections from the previous version.
- 5. Make the required changes.
- 6. Click Save and exit or Submit.

#### 5.5 Manage generating units

#### 5.5.1 View a generating unit

To view a generating unit:

- 1. Go to Generator Information Survey Application > Home.
- 2. Under **Actions**, click **eye icon** if the survey status is **submitted** or click **edit icon** if the survey status is **In Progress**.



3. Use this Next and Previous buttons to navigate to Generating units.

#### 5.5.2 Editing a generating unit

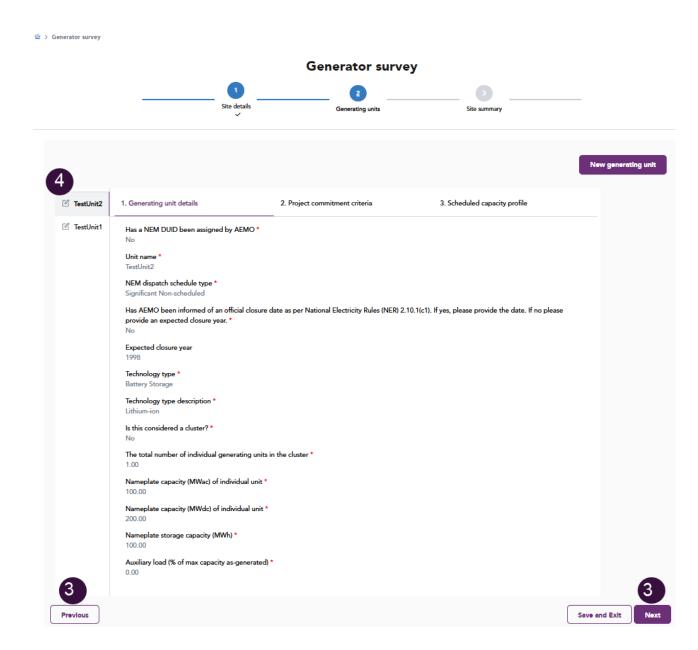
#### **Prerequisite**

The survey status is In Progress.

#### **Process**

#### To edit a generating unit:

- 1. Go to Generator Information Survey Application > Home.
- 2. Under Actions, click edit icon.
- 3. Use Next and Previous button to navigate to Generating units.
- 4. Click edit icon present beside the generating unit's name.



- 5. Make the required changes.
- 6. Click Save.

#### 5.5.3 Creating a new generating unit

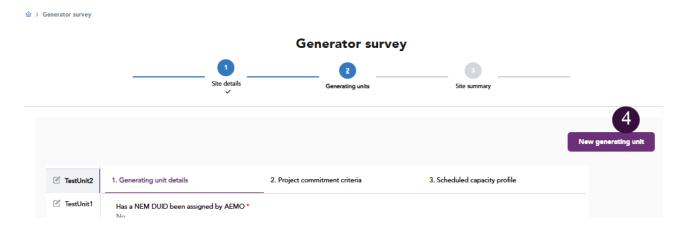
#### **Prerequisite**

The survey status is In Progress.

#### **Process**

#### To create a new generating unit:

- 1. Go to Generator Information Survey Application > Home.
- 2. Under Actions, click edit icon.
- 3. Use Next and Previous button to navigate to Generating units.
- 4. Click new generating unit button.



- 5. Complete the 3 sections of the generating unit:
  - a. Generating unit details
  - b. Project commitment criteria
  - c. Scheduled capacity profile
- 6. Click Save.

#### 5.5.4 <u>Deactivating Deleting</u> a generating unit

#### **Prerequisite**

We will provide more information

in a later version.

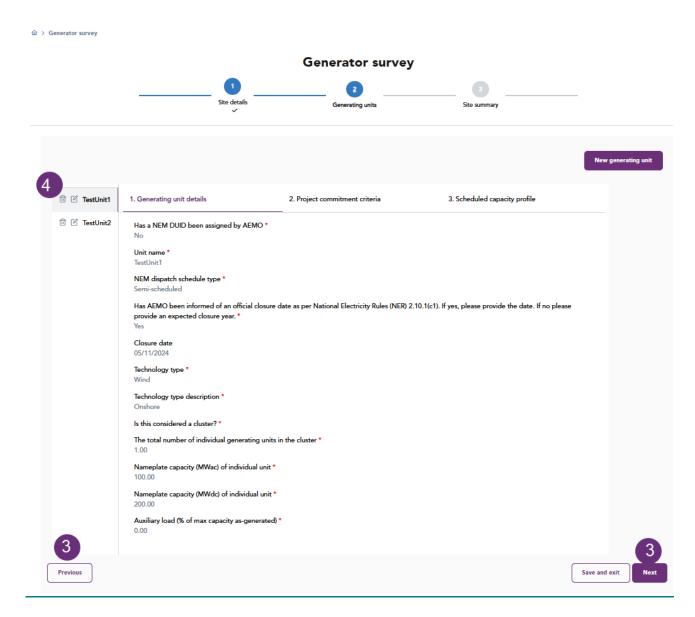
The survey status is In Progress.

#### **Process**

#### To <u>deactivatedelete</u> a generating unit:

1. Go to Generator-Information Survey Application > Home.

- 2. Under Actions, click edit icon.
- 3. Use Next and Previous button to navigate to Generating units.
- 4. Click the **bin icon** present beside the generating unit's name.



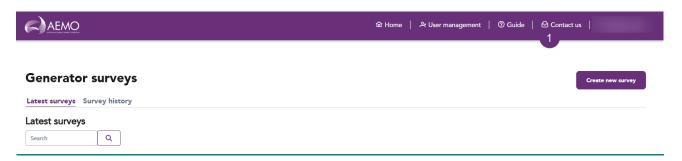
5. The generating unit deactivates and disappears from the survey.

#### 5.6 Contact us and guide

The application has a contact us feature where you can raise any issues. We also have a guide with all the details for using different functionalities of the application.

#### To contact us:

1. On the top navigation bar, click **Contact us**.

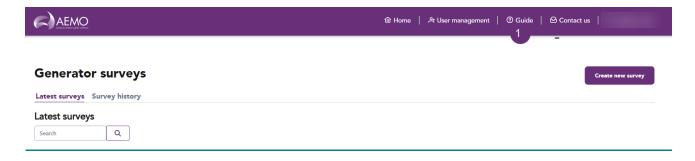


- 2. A mailbox opens.
- 3. Fill the details.
- 4. Click Send.



#### To access guide:

5. On the top navigation bar, click **Guide**.



You are redirected to the guide.

6.

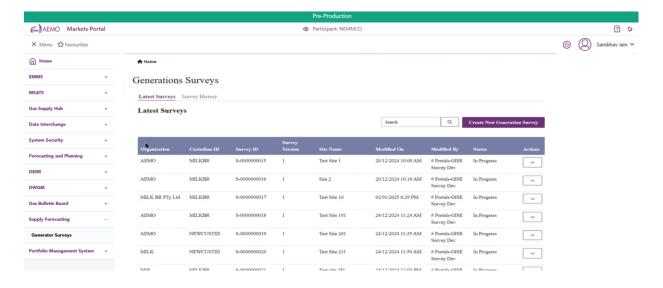
# 6 Markets Portal

For Registered Participants only.

New generation surveys are available in the Markets Portal for Registered Participants.

To access the new generation surveys:

 Go to Markets Portal > Supply Forecasting > Generator Surveys. All information and screenshots in this section are tentative and subject to change.



# 7 FAQs

This section is updated based on the participant queries from the MSUG meeting.

# 8 Implementation

#### 8.1 Transition

There is no transition required for this release.

# 8.2 Upgrading

There is no upgrade required for this release.

# 8.3 Implications

N/A

#### 8.4 Risks

**TBC** 

# 9 Terms

#### 9.1 Rules Terms

You can find the following terms defined in the National Electricity Rules (NER).

Term	
AEMO	
AEMO Markets Portal	
NEM	
Registered Participant	

# 9.2 Glossary

You can find a full list of AEMO glossary terms in **Industry Terminology** on AEMO's website.

Abbreviation/Term	Explanation	
EMMS	Electricity Market Management System; software, hardware, network and related processes to implement the wholesale energy market	
GISE	Generation Information System Enhancements	
Non-Registered Participants	A person who is not registered by AEMO in any one or more the categories listed in the Energy rules	
Non-registered generation information user	A user who requires Generator Information-Survey Application access to create and submit a generator survey	
Registered generation information user	A user who logs in using the Market portal and requires Generator Information Survey Application access to create and submit a generator survey	
Release	EMMS - Technical Specification - August 2025	
Release Dates	Pre-production: Thursday 17 JulyMonday 7 April 2025 (TBC) Production: Thursday 7 August24 April 2025 (TBC)	
TBC	To be confirmed	

# 10 References

N/A

# 11 Index

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# A1. Version history

No version history, this is the initial draft release.