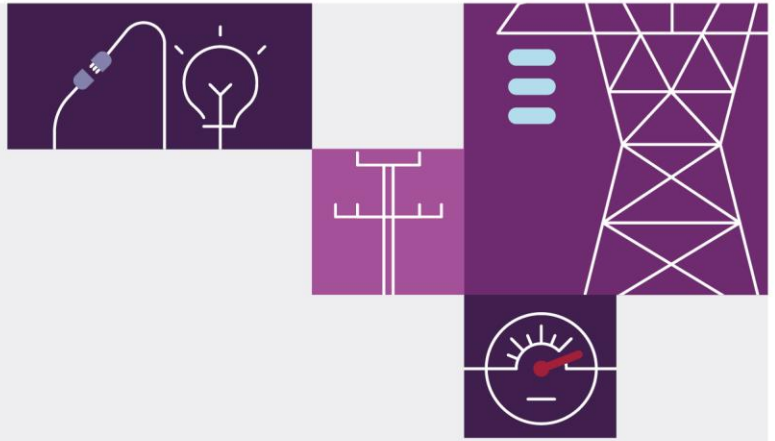


# WEMS MPI User Guide: Generator Performance Standards (GPS) System

August 2023

Version 1





# Important notice

## Purpose

AEMO has prepared this document to provide information about the Generator Performance Standard (GPS) System support process available to Market Participants for the Wholesale Electricity Market System (WEMS), as at the date of publication.

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## Version control

Version	Release date	Changes
1.0	23 August 2023	Initial release



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# 1 Introduction

The purpose of this document is to describe the functions and capabilities of the Wholesale Electricity Market System Market Participant Interface (WEMS MPI) and act as a guide to users. The WEMS MPI is the medium between the Market Participant and AEMO to exchange and submit registration information, trading submissions, and facilitate the extraction of reports.

This document is intended for WEMS MPI users.

## 2 System Requirements

Please refer to the WEM Procedure: Data and IT Interface Requirements for more information on the necessary technical details and standards, software and hardware specifications, and security standards required for Market Participants to operate in the Wholesale Electricity Market (WEM).

## 3 Accessing the System

The WEMS MPI is located at <https://wems.aemo.com.au/mpi>

Upon visiting the site, WEMS MPI will require the user to authenticate with their WEMS RSA SecurID token before the user is able to access the MPI. The RSA SecurID token can be identified by the RSA SecurID dark blue and red logo with white writing (see Figure 1).

New users must apply for WEMS MPI access by contacting their Market Participant Administrator (MPA) as well as completing the WEMS Token Request Form. This form, along with the RSA Quick Reference Guide, is available from the MPI login page or from WA Market Operations at [wa.operations@aemo.com.au](mailto:wa.operations@aemo.com.au).

New users must also be assigned the appropriate roles by their MPA to ensure they have the correct access privileges. Refer to the [Market Participant Administrator Guide](#) for more information.

RSA SecurID tokens are managed and issued by AEMO; however individual roles and user accounts are managed by each MPA.

Figure 1 RSA SecurID Token Example



Figure 2 WEMS MPI - Login Screen

**AEMO**  
AUSTRALIAN ENERGY MARKET OPERATOR

**RSA SecurID**

## Welcome to WEMS

Log in to access WEMS

 User ID:

Passcode:

Your Passcode is your PIN + the number displayed on your token (the Tokencode).

[Apply for a Token](#) [Login Reference Guide](#)

# 4 Generator Performance Standards (GPS) System

For assistance with the GPS System, please contact AEMO WA Market Operations and Operational Support team at [wa.sm.operations@aemo.com.au](mailto:wa.sm.operations@aemo.com.au).

## 4.1 Overview

This User Guide will assist a Market Participant to perform the following tasks using the GPS System in the WEMS MPI Portal:

- [View and download a Generator Performance Standards \(GPS\) Submission](#) (Section 4.3)
- [View and download a Generator Monitoring Plan \(GMP\)](#) (Section 4.5)
- [Report Non-Compliances for GPS or GMP](#) (Section 4.6)
- [Submit Rectification Plans for GPS or GMP](#) (Section 4.7)
- [View Progress of Non-Compliances and Rectification Plan for GPS or GMP](#) (Section 4.8)
- [Amend Approved Rectification Plans for GPS or GMP](#) (Section 4.9)

Refer to the following documents and sites for more detailed information on processes, procedures, roles and responsibilities:

- WEM Procedure – [Generator Performance Standards For Existing Transmission Connected Generating Systems](#) (This is a Western Power document)
- WEM Procedure – [Generation System Model Submission and Maintenance](#) (This is a Western Power document)
- WEM Procedure – [GPS Compliance Tests and Generating Monitoring Plans](#)

## 4.2 GPS Submission Process

The Market Participant will submit a GPS Submission using the approved template from the Network Operator using processes and systems approved with the Network Operator. This first step is completed outside of the GPS System.

## 4.3 View and Download a GPS Submission

The Market Participant will be able to view and download their GPS Submission in the GPS System only once it has achieved Approved or Accepted status. During all other statuses, the Market Participant will only be able to view the status of the GPS Submission.

Follow the steps below to view or download a GPS Submission in the GPS System.

**Step 1:**

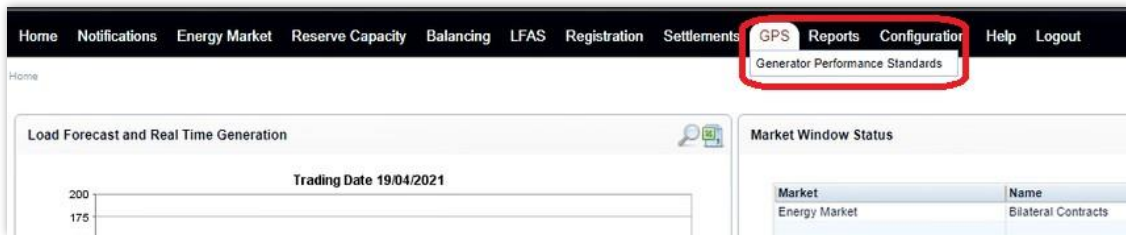
Log into WEMS MPI Portal

Refer to Section 3 of this User Guide – Accessing the System

**Step 2:**

Click on GPS > Generator Performance Standards

**Figure 3 WEMS MPI - Access GPS System**



**Step 3:**

Result:

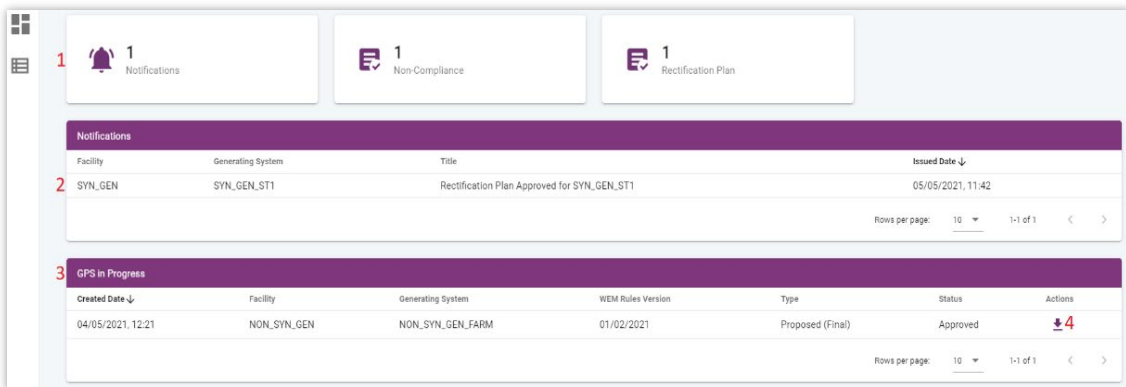
Dashboard Page of the GPS System

1. Dashboard Summary – the dashboard will show the number of new Notifications received as well as the number of Non-Compliances and Rectification Plans that are in progress.
2. Notification Table – the table will show the list of new Notifications received in the last 14 days – click on a Notification to go directly to the relevant section to view, process or action as required.
3. GPS in Progress table – View list of GPS Submissions still in the process of being assessed.
4. Click on the download icon under the Actions column to download a copy of the GPS Submission.

Note:

Only a submission with a status of Approved or Accepted may be downloaded.

**Figure 4 Dashboard Page – View Summary, Notification Table and GPS in Progress**

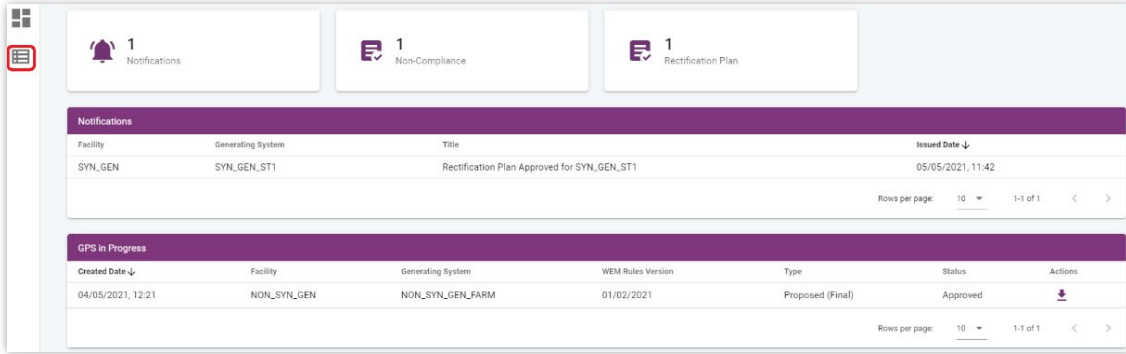




**Step 4:**

Click on the Overview icon to go to the Overview Page of the GPS System

**Figure 5 Dashboard Page – Access Overview Page**

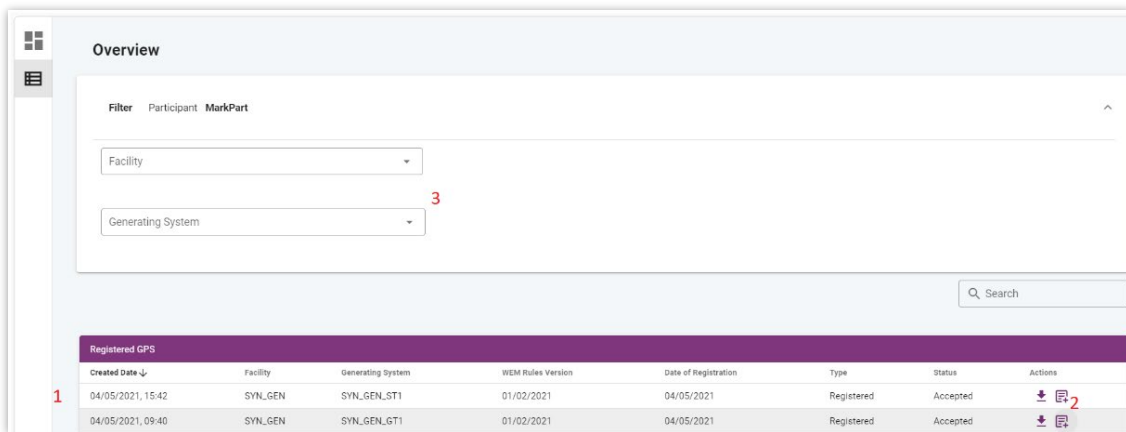


**Step 5:**

Overview Page of the GPS System

1. View a list of Accepted GPS Submissions. (A status of “Accepted” indicates that AEMO has uploaded the GPS into the database after the Network Operator has uploaded a GPS Submission into the GPS System that has been assessed by AEMO, recommended for approval by AEMO and approved by the Network Operator).
2. Click on the download icon under the Actions column to download a copy of the GPS Submission.
3. The Filter dropdowns or the Search field may be used to locate a submission for a specific Generating System if there is a large list of Accepted GPS submissions.

**Figure 6 Overview Page – View or Download GPS Submission**



## 4.4 Generator Monitoring Plan (GMP) Submission Process

A Market Participant will submit a Generator Monitoring Plan (GMP) using the approved template from AEMO. This first step is completed outside of the GPS System.

The Market Participant will receive an email notification when they are able to view and download their GMP in the GPS System only once it has been approved and uploaded to the GPS System by AEMO.

## 4.5 View and Download a GMP

Follow the steps below to view or download a GMP in the GPS System. Focus areas are highlighted in red.

### Step 1:

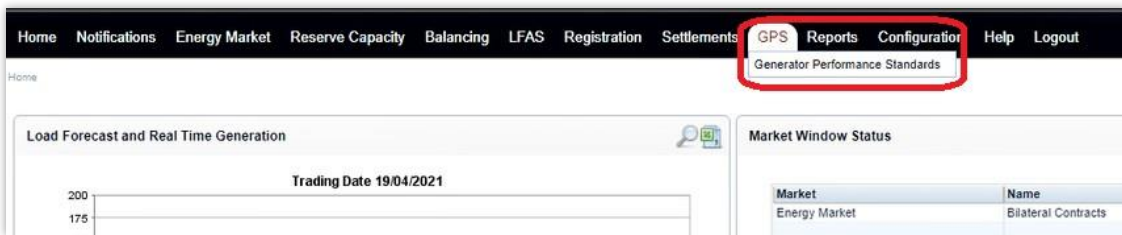
Log into WEMS MPI Portal

Refer to Section 3 of this User Guide – Accessing the System

### Step 2:

Click on GPS > Generator Performance Standards

Figure 7 WEMS MPI - Access GPS System

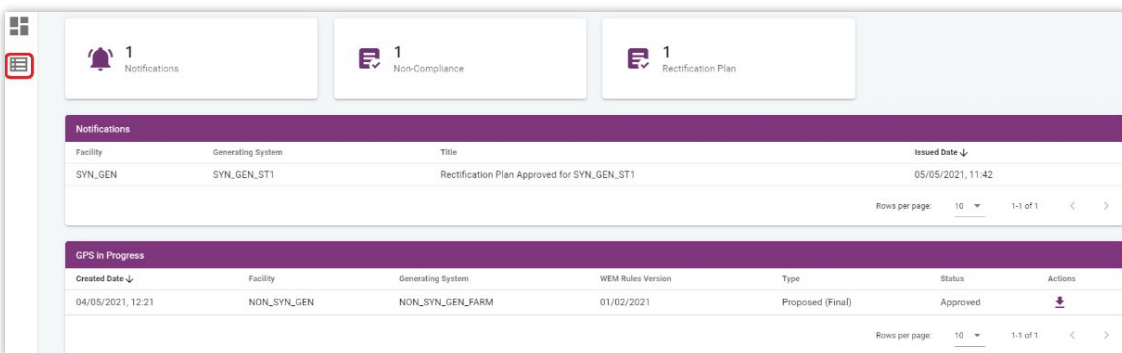


### Step 3:

#### Result:

Dashboard Page of GPS System Click on the Overview icon.

Figure 8 Dashboard Page - Access Overview Page



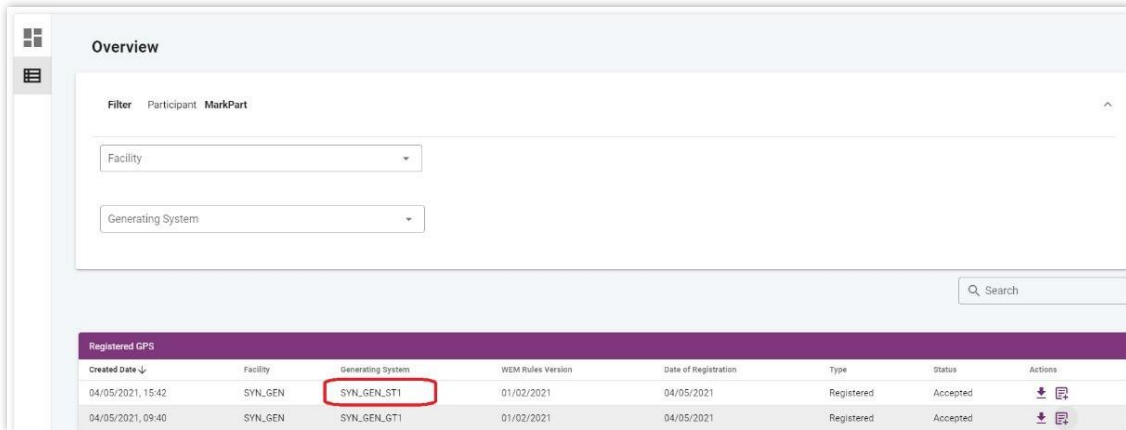
**Step 4:**

Result:

Overview Page of the GPS System

Click on the relevant Facility or Generating System in the Registered GPS table to access the associated GMP submission.

**Figure 9 Overview Page – Access GMP Submission**



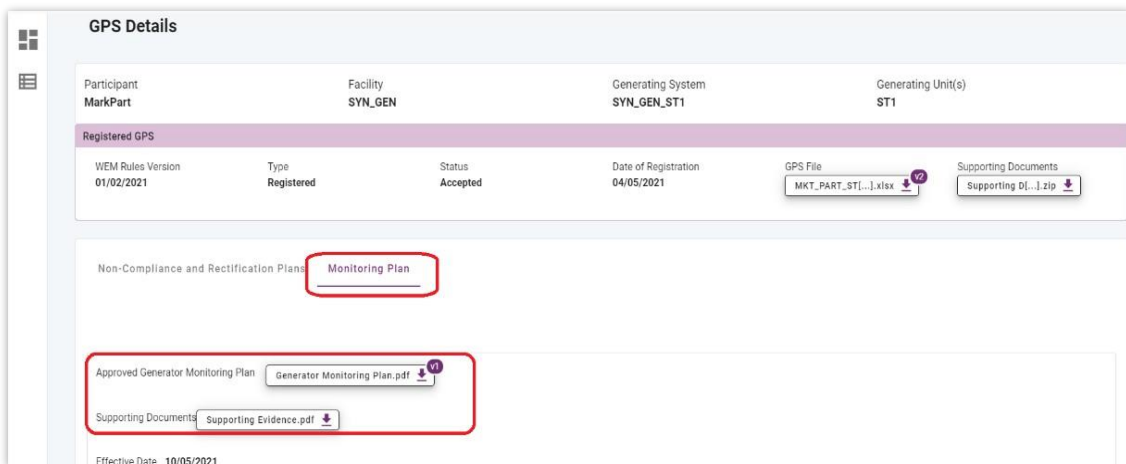
**Step 5:**

Result:

GPS Details Page.

Click on the Monitoring Plan Tab to view and download the Generator Monitoring Plan and Supporting Documents.

**Figure 10 Details Page – View and Download GMP and Supporting Documents**



## 4.6 Report Non-Compliances for GPS or GMP

Follow the steps below to report non-compliances for either Generator Performance Standards or a Generator Monitoring Plan.

### Step 1:

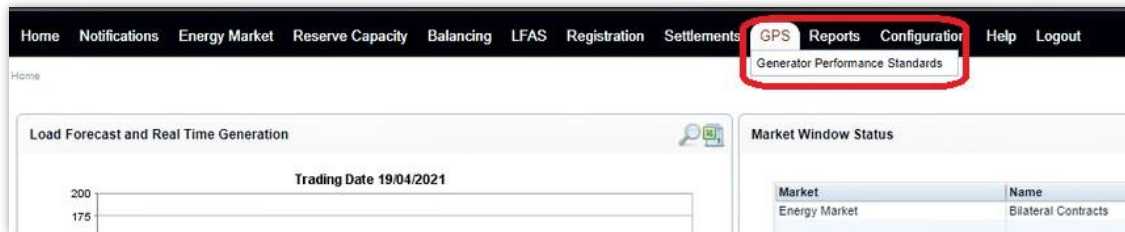
Log into WEMS MPI Portal

Refer to Section 3 of this User Guide – Accessing the System

### Step 2:

Click on GPS > Generator Performance Standards.

Figure 11 WEMS MPI - Access GPS System



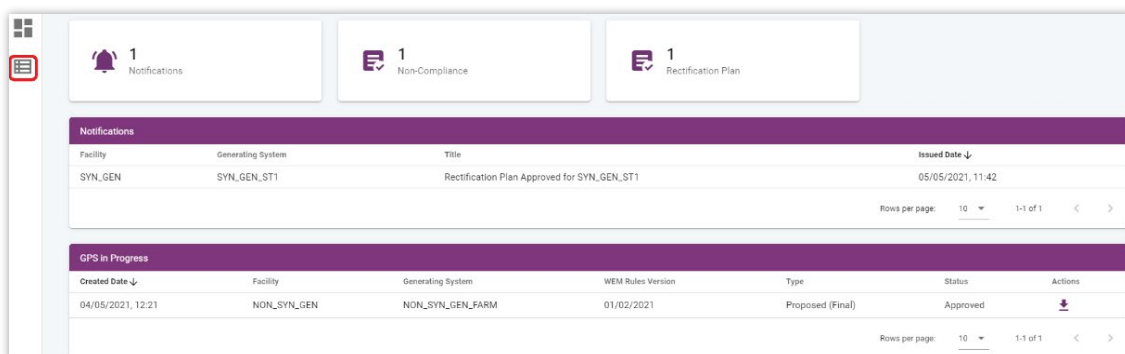
### Step 3:

#### Result:

Dashboard Page of GPS System.

Click on the Overview icon.

Figure 12 Dashboard Page – Access Overview Page



#### Step 4:

Result:

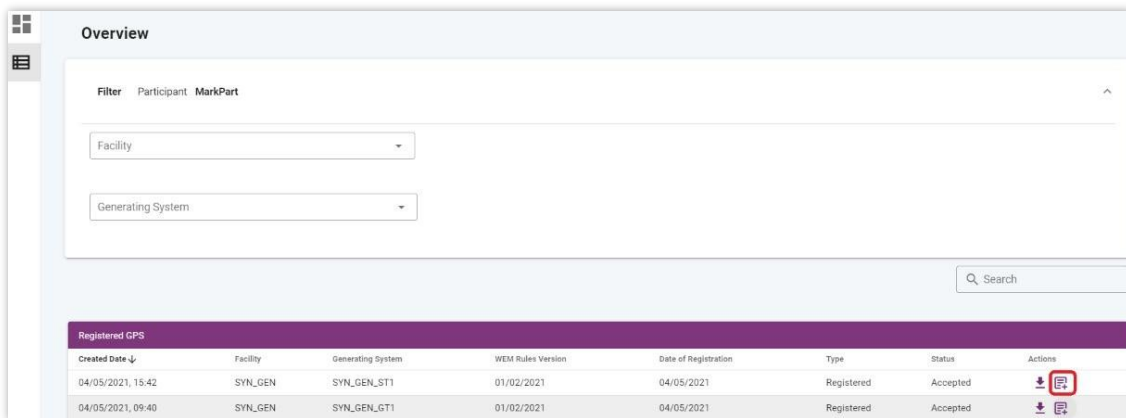
Overview page of the GPS System.

Click on the Add Non-Compliance icon relative to the GPS for which you would like to submit a Non-Compliance.

Note:

The Filter dropdowns or the Search field may also be used to locate a submission for a specific Generating System if there is a large list of Accepted GPS or GMP submissions.

**Figure 13 Overview Page – Add Non-Compliance**



#### Step 5:

Result:

Non-Compliance Details Page.

This is a dynamic form and further options and fields may appear based on your selection. Complete the dynamic form as follows:

1. Use the calendar to select the date when the Non-Compliance first occurred.
2. Select whether actual or suspected Non-Compliance (default is Suspected Non-Compliance)
3. Select whether the Non-Compliance is related to a GMP or GPS
  - a. If GMP is selected, the latest GMP and Supporting Documents will be available for download.
  - b. If GPS is selected, select the approved GPS that was in force on the date of the Non-Compliance from the dropdown that will appear – the relevant GPS and Supporting Documents will be available for download.
  - c. Select Yes or No to the question that will appear – “Did this non-compliance occur prior to being issued an Approval to Generate Notification (MR 3A.8.5)?”
4. Select the specific section or clause related to the non-compliance. Click on the section name to expand and view:
  - a. the associated clauses,
  - b. the criteria description for each clause, and
  - c. the Statement of Compliance associated with the clause.

Figure 14 Non-Compliance Details Page – Edit Top Section

5. Provide reason why the non-compliance occurred in the Summary of reasons field.
6. Provide comments or further relevant information related to the non-compliance. This includes information related, but not limited to, downstream impacts caused by the non-compliance as well as incidents and issues that may need to be reported to the ERA, e.g. Impacts to Power System Security and Reliability (PSSR).
7. Upload supporting documents.
8. Select whether a Rectification Plan will be submitted.
9. Provide contact details of the person that may be contacted for further information.
10. Save and Submit (button located at top right of page – Save button changes to Submit button when clicked).

Figure 15 Non-Compliance Details Page – Edit Bottom Section

## 4.7 Submit Rectification Plans for GPS or GMP

Follow the steps below to submit Rectification Plans for either Generator Performance Standards or Generator Monitoring Plans. This step is only available once AEMO has confirmed the alleged non-compliance in the GPS System. Focus areas are highlighted in red.

### Step 1:

Log into WEMS MPI Portal

Refer to Section 3 of this User Guide – Accessing the System

**Step 2:**

Click on GPS > Generator Performance Standards.

**Figure 16 WEMS MPI - Access GPS System**



**Step 3:**

Result:

Dashboard Page of GPS System.

1. Locate the Generating System requiring a Rectification Plan which will be identified by a “Yes” under the Requires Action column of the Rectification in Progress table.
2. Click on the relevant Generating System.

Note:

The Filter dropdowns or the Search field may also be used to locate a submission for a specific Generating System if there is a large list of Accepted GPS or GMP submissions.

**Figure 17 Dashboard Page – View Rectification Plan in Progress**

Created Date	Last Updated	Date of Non-Compliance	Generating System	Type	Rectification Plan Status	Requires Action
05/05/2021, 11:32	05/05/2021, 11:32	01/05/2021	SYN_GEN_ST1	Registered GPS	Draft	Yes
04/05/2021, 12:28	04/05/2021, 12:31	02/05/2021	SYN_GEN_GT1	Registered GPS	Under Assessment	No

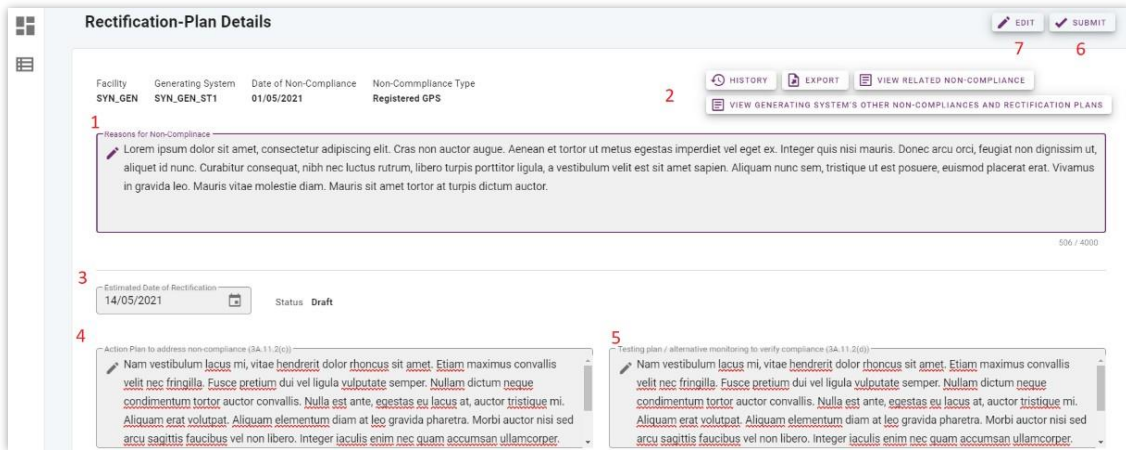
**Step 4:**

Result:

Rectification – Plan Details Page

1. Provide reasons for non-compliance.
2. You may use these optional buttons to:
  - a. View History.
  - b. Export Rectification-Plan.
  - c. View related non-compliance.
  - d. View other related non-compliances and rectification plans associated with this generating system.
3. Use the calendar to select estimated date of rectification.
4. Provide details of action plan to rectify non-compliance.
5. Provide details of testing plan and other plans to verify compliance.
6. Submit the Rectification-Plan.
7. Use the Edit button should you wish to change or update the plan after submission.

Figure 18 Rectification-Plan Details Page – Edit Page



## 4.8 View Progress of Non-Compliances and Rectification Plans for GPS or GMP

Follow the steps below to view the progress of Non-Compliances and Rectification Plans for either Generator Performance Standards or Generator Monitoring Plans. Focus areas are highlighted in red.

### Step 1:

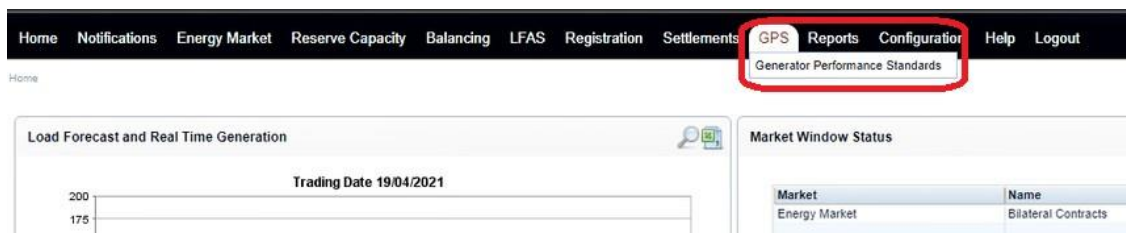
Log into WEMS MPI Portal

Refer to Section 3 of this User Guide – Accessing the System

### Step 2:

Click on GPS > Generator Performance Standards.

Figure 19 WEMS MPI - Access GPS System



### Step 3:

#### Result:

Dashboard Page of GPS System.

View the progress of Non-Compliances and Rectification Plans in the relevant tables.

#### Note:

A “Yes” in the Require Action column indicates that the Market Participant is required to act.



A “No” in this column indicates that AEMO is still processing the Non-Compliance or Rectification Plan.

**Figure 20 Dashboard Page – View Progress of Non-Compliance or Rectification Plan**

Non-Compliance in Progress						
Created Date	Last Updated ↓	Date of Non-Compliance	Generating System	Type	Non-Compliance Status	Requires Action
04/05/2021, 14:26	04/05/2021, 15:48	03/05/2021	SYN_GEN_ST1	Generator Monitoring Plan	Under Assessment	No

Rectification Plan in Progress						
Created Date	Last Updated ↓	Date of Non-Compliance	Generating System	Type	Rectification Plan Status	Requires Action
05/05/2021, 11:32	05/05/2021, 11:32	01/05/2021	SYN_GEN_ST1	Registered GPS ⓘ	Draft	Yes
04/05/2021, 12:28	04/05/2021, 12:31	02/05/2021	SYN_GEN_ST1	Registered GPS ⓘ	Under Assessment	No

**Step 4:**

Click the Overview icon to view further progress of Non-Compliance and Rectification Plans.

**Figure 21 Dashboard Page – Access Overview Page**

Notifications			
Facility	Generating System	Title	Issued Date ↓
SYN_GEN	SYN_GEN_ST1	Rectification Plan Approved for SYN_GEN_ST1	05/05/2021, 11:42

GPS in Progress						
Created Date ↓	Facility	Generating System	WEM Rules Version	Type	Status	Actions
04/05/2021, 12:21	NON_SYN_GEN	NON_SYN_GEN_FARM	01/02/2021	Proposed (Final)	Approved	⬇

## 4.9 Amend Approved Rectification plans for GPS or GMP

Follow the steps below to amend a Rectification Plan.

**Step 1:**

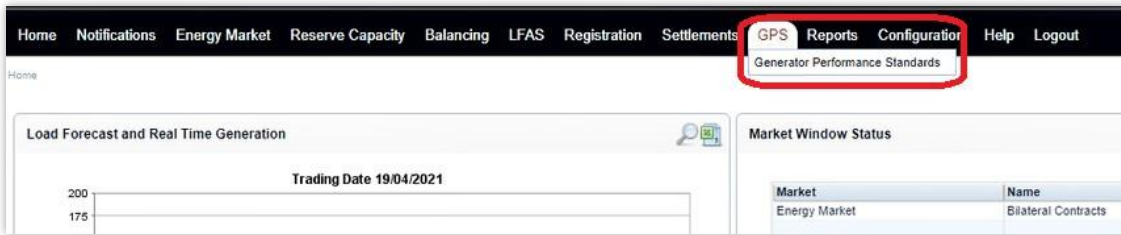
Log into WEMS MPI Portal

Refer to Section 3 of this User Guide – Accessing the System

**Step 2:**

Click on GPS > Generator Performance Standards.

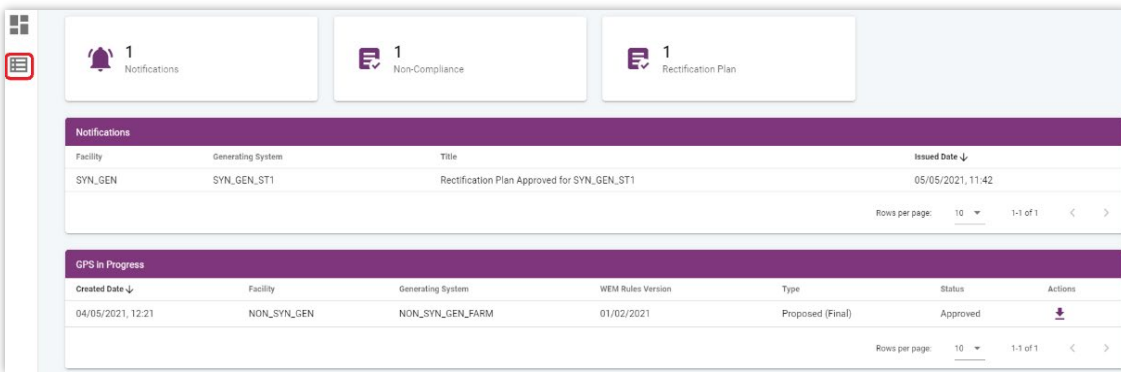
Figure 22 WEMS MPI - Access GPS System



**Step 3:**

Click the Overview icon to view further progress of Non-Compliance and Rectification Plans.

Figure 23 Dashboard Page – Access Overview Page



**Step 4:**

Result:

Overview Page of the GPS System

Click on “Yes” under the Rectification Plan column for the relevant non-compliance.

Note:

The Rectification Plan may also be accessed via the GPS Details Page

Figure 24 Overview Page – Access Rectification Plan

Created Date ↓	Date of Non-Compliance	Generating System	Type	Date of Registration	Non-Compliance Status	Rectification Plan	Rectification Plan Status
05/05/2021, 10:13	01/05/2021	SYN_GEN_ST1	Registered GPS ⓘ	04/05/2021	Alleged Non-Compliance	YES	Approved
04/05/2021, 14:26	03/05/2021	SYN_GEN_ST1	Generator Monitoring Plan	04/05/2021	Under Assessment	YES	N/A
04/05/2021, 12:27	02/05/2021	SYN_GEN_GT1	Registered GPS ⓘ	04/05/2021	Alleged Non-Compliance	YES	Under Assessment

**Step 5:**

Result:

Rectification Details Page.

1. Click on the Amend Approved button.
2. Make the necessary amendments.

3. Submit the amended Rectification Plan. (Amend Approved Button will change to Submit Button)

Figure 25 Rectification-Plan Details Page – Edit Page

**Rectification-Plan Details** AMEND APPROVED

Facility	Generating System	Date of Non-Compliance	Non-Compliance Type
SYN_GEN	SYN_GEN_ST1	01/05/2021	Registered GPS

HISTORY EXPORT VIEW RELATED NON-COMPLIANCE VIEW GENERATING SYSTEM'S OTHER NON-COMPLIANCES AND RECTIFICATION PLANS

Reasons for Non-Compliance  
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras non auctor augue. Aenean et tortor ut metus egestas imperdiet vel eget ex. Integer quis nisi mauris. Donec arcu orci, feugiat non dignissim ut, aliquet id nunc. Curabitur consequat, nibh nec luctus rutrum, libero turpis porttitor ligula, a vestibulum velit est sit amet sapien. Aliquam nunc sem, tristique ut est posuere, euismod placerat erat. Vivamus in gravida leo. Mauris vitae molestie diam. Mauris sit amet tortor at turpis dictum auctor.

506 / 4000

Estimated Date of Rectification: 14/05/2021 Status: **Approved**

Action Plan to address non-compliance (3A.11.2(c))  
Nam vestibulum lacus mi, vitae hendrerit dolor rhoncus sit amet. Etiam maximus convallis velit nec fringilla. Fusce pretium dui vel ligula vulputate semper. Nullam dictum neque condimentum tortor auctor convallis. Nulla est ante, egestas eu lacus at, auctor tristique mi. Aliquam erat volutpat. Aliquam elementum diam at leo gravida pharetra. Morbi auctor nisi sed

Testing plan / alternative monitoring to verify compliance (3A.11.2(d))  
Nam vestibulum lacus mi, vitae hendrerit dolor rhoncus sit amet. Etiam maximus convallis velit nec fringilla. Fusce pretium dui vel ligula vulputate semper. Nullam dictum neque condimentum tortor auctor convallis. Nulla est ante, egestas eu lacus at, auctor tristique mi. Aliquam erat volutpat. Aliquam elementum diam at leo gravida pharetra. Morbi auctor nisi sed

# 5 User Management

This section should be read in conjunction with the [Market Participant Administrator Guide](#).

For assistance with user accounts, please contact Market Operations (WA) at [wa.operations@aemo.com.au](mailto:wa.operations@aemo.com.au).

## 5.1 Change PIN

To access the Change Pin display, select Configuration >User Management >Change Pin (see Figure 26).

The Change Pin functionality allows users to change the pin on their assigned RSA SecurID token.

Figure 26 WEMS MPI - Change Pin Display

<b>Change Pin</b>	
New Pin	<input type="text"/>
Confirm Pin	<input type="text"/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

## 5.2 My Account

To access the My Account display, select Configuration >User Management >My Account (see Figure 27).

Users are responsible for keeping their contact details up to date.

Figure 27 WEMS MPI - My Account Display

<b>My Account</b>	
<b>Update your details</b>	
Given Name *	<input type="text"/>
Last Name *	<input type="text"/>
Position *	<input type="text"/>
Address	<input type="text"/>
City	<input type="text"/>
State	Western Australia ▼
Post Code	<input type="text"/>
Country	Australia ▼
Phone *	<input type="text"/>
Facsimile	<input type="text"/>
Mobile *	<input type="text"/>
Email *	<input type="text"/>
What is the name of the first school you attended? ▼ *	<input type="text"/>
<input type="button" value="Save"/>	



## 5.3 Switch Participant Functionality

A user may represent more than one Participant. Once the user is logged into the MPI, they can switch to another Participant that they represent without being required to log out. The switch takes into consideration any access permissions for that Participant.

# Glossary

<b>Term</b>	<b>Definition</b>
<b>AEMO</b>	Australian Electricity Market Operator
<b>ERA</b>	Economic Regulation Authority
<b>GMP</b>	Generator Monitoring Plan
<b>GPS</b>	Generator Performance Standards
<b>MPA</b>	Market Participant Administrator
<b>MPI</b>	Market Participant Interface
<b>Network Operator</b>	In the context of this document, this is Western Power
<b>Participant</b>	In the context of this document, Participant is used in general terms to mean any registered Rule Participant, unless otherwise specified
<b>PSSR</b>	Power System Security and Reliability
<b>RSA SecurID Token</b>	Third party security token for performing two-factor authentication for a user to a network source
<b>SWIS</b>	South West Interconnected System
<b>WEMS</b>	Wholesale Electricity Market System