



# GPS System 1.0 and WEMS 3.41 Release Notes

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**June 2021**

# Important notice

## PURPOSE

The Australian Energy Market Operator (AEMO) has prepared this document to provide information about the Generator Performance Standards (GPS) System 1.0 and WEMS 3.41 release as at the date of publication.

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## VERSION CONTROL

Version	Release date	Changes
1.0	23/06/2021	Initial Publication - GPS System Market Trial Release

## DOCUMENT APPROVAL

Name	Position	Date
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# 1. Introduction

## 1.1 Overview

These are the release notes for the Generator Performance Standards (GPS) system. GPS was previously managed by Western Power through the Technical Rules, however as a part of the WEM Reforms<sup>1</sup> this compliance monitoring obligation has been transferred to AEMO.

The development of the new GPS System, within the existing WEMS MPI, will support Rule Participants and the Economic Regulation Authority in meeting their new obligations under the Wholesale Electricity Market Rules.

AEMO has presented the changes being deployed in this release at the following WRIG-IT sessions:

- 21 April 2021 - A specific showcase was presented to Market Participants on the GPS System and functionality.
- 10 June 2021 - Further information and follow up on Market Participant questions and changes to functionality.

WEMS 3.41 includes all the changes introduced in WEMS 3.40, which was required to support the Settlements Enhancements project. Please refer to the [WEMS Pass 1.7, WEMS 3.40 and RCM 1.21 Release Notes](#) for further details of this version.

## 1.2 Supporting documentation

The following documents<sup>1</sup> have been updated for this release and should be read in conjunction with these release notes:

- [WEMS MPI User guide](#) (version 6.17)
- [WEM Procedure: Generator Monitoring Plans](#)
- [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)

## 1.3 Version summary

The changes in version post deployment of this release are summarised in Table 1.

To view the current application versions, please navigate to **Help > About** in the MPI.

**Table 1** Version summary

Application	Current version	New version
WEMS	3.40 (Build 3.40-1540-2)	3.41 (Build 3.41-TBC)
GPS	N/A	1.0 (Build 1.0-124)

**Note:** Due to the overlap of WEMS 3.40 and WEMS 3.41 in the Market Trial environment, the version of WEMS in the Production environment will move directly from WEMS 3.39 to WEMS 3.41 on 28 July 2021.

<sup>1</sup> Chapter 3A of the Wholesale Electricity Market Rules

## 1.4 Terms and abbreviations

The terms and abbreviations used in this document are outlined in Table 2.

**Table 2 Terms and abbreviations**

Abbreviation	Expanded name
AEMO	Australian Energy Market Operator
GPS	Generator Performance Standards
GMP	Generator Monitoring Plan
MPI	Market Participant Interface
WEMS	Wholesale Electricity Market System
ERA	Economic Regulation Authority

## 2. GPS System Overview

The new GPS System will allow Rule Participants to undertake the following functions in the WEMS MPI:

- View and download Generator Performance Standard (GPS) Submissions
- View and download Generator Monitoring Plans (GMP)
- Report Non-Compliances for GPS or GMP
- Submit Rectification Plans for GPS or GMP
- View Progress of Non-Compliances and Rectification Plan for GPS or GMP
- Amend Approved Rectification Plans for GPS or GMP

The WEMS MPI User Guide provides users with instructions on how to perform these functions.

The functions performed using the GPS System are summarised in Table 3 by Rule Participant.

**Table 3 GPS System Capabilities**

Rule Participant	Capabilities
Market Participant	<ul style="list-style-type: none"><li>• View and download GPS</li><li>• View and download (GMP)</li><li>• Report Non-Compliances for GPS or GMP</li><li>• Submit Rectification Plans or View Progress of Non-Compliances and Rectification Plans</li><li>• Amend Approved Rectification Plans</li></ul>
Network Operator	<ul style="list-style-type: none"><li>• Submit a GPS Submission</li><li>• View AEMO feedback or recommendations for a GPS Submission</li><li>• View and download a historical Registered GPS</li><li>• View and download a Generator Monitoring Plan</li></ul>

- View and download Non-Compliance against GPS or a GMP
- View and download a Rectification Plan in relation to non-compliance against GPS or a GMP

ERA

- View and download Non-Compliance against GPS or a GMP
- View and download a Rectification Plan in relation to non-compliance against GPS or a GMP

### 3. Supported GPS Submission template version

Figure 1 illustrates the compatibility history of the GPS submission template with the GPS System. Note the compatibility chart is only applicable when submitting a GPS submission template to the GPS System.

**Figure 1 GPS Template version compatibility with GPS System version**

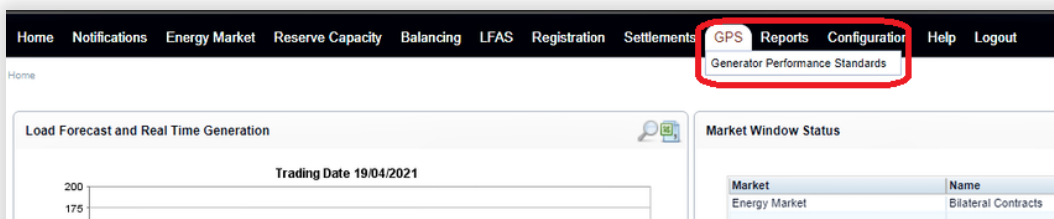
GPS submission template version			
GPS System version	v2.0	v3.0	v4.0
1.0	x	x	✓

- ✓ Supported
- x Not Supported

### 4. GPS System Access

Rule Participants will be able access the GPS System through the existing WEMS MPI. The GPS System will be accessible through the WEMS MPI menu bar (see Figure 2).

**Figure 2 WEMS MPI Portal**



As the GPS System resides within WEMS MPI, GPS System users must ensure they have an WEMS MPI account (including an RSA token) with the appropriate roles assigned.

Any WEMS MPI user with "Full Access" to the "User Management" role can allocate appropriate permissions to an existing WEMS MPI user.

More broadly, the Market Participant Administrator for each Rule Participant and the Economic Regulation Authority is responsible for the management of roles within their respective organisations (see [MPA Guide](#) for further information). Market Participant Administrator roles themselves and requests for RSA tokens are managed by AEMO through the Market Operations team (see section 3 of [WEMS MPI User Guide](#) for more information).

As a part of this release, a new "Generator Performance Std" role has been created within the existing user management functionality of WEMS MPI (see Figure 2). The two levels of access for this new role are:

1. **Full Access:** This enables the user to perform all functions available to the Rule Participant.
2. **Read Only Access:** This enables the user to be able to view and download GPS data, but is unable to perform any actions (e.g. submit, amend, add comments etc).

Please note that a WEMS MPI user who does not have either of these roles/permissions assigned will be unable to access any GPS related information through the WEMS MPI Portal.

**Figure 3 Updated WEMS MPI User Rules**

The screenshot shows a 'Detail' form for a WEMS MPI user. The 'Roles' section is highlighted with a red box. It contains a table with columns for 'Full Access' and 'Read Only'.

Roles	Full Access	Read Only
Energy Market	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reserve Capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reports	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Registration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Settlements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Balancing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
User Management	<input type="checkbox"/>	<input type="checkbox"/>
Generator Performance Std	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## 5. Market Trial

**⚠ Important:** The GPS System is access through the existing WEMS MPI, this means additional user accounts may be required for both the Market Trial and Production environments. Please refer to your Market Participant Administrator to set up the required user accounts.



For any further enquiries, please contact WA Market Operations:

- [wa.operations@aemo.com.au](mailto:wa.operations@aemo.com.au) or
- call 1300 989 797, Option 1

Market Trial for the GPS System begins on 30 June 2021 and ends on 27 July 2021. The GPS System will be moved to Production on 28 July 2021, subject a successful trial period.

AEMO strongly encourages Rule Participants to familiarise themselves with the new GPS System. Rule Participants are welcome to carry out any tests that they see fit and provide any feedback to the AEMO GPS Team at [WEM.GPS@aemo.com.au](mailto:WEM.GPS@aemo.com.au) prior to 27 July 2021.

In the WRIG-IT Meeting on 10 June 2021, AEMO have made the offer to conduct a **user training session at 11.00am 30 June 2021 AWST**. Please contact AEMO at [WEM.GPS@aemo.com.au](mailto:WEM.GPS@aemo.com.au) to receive an invitation for this session. Session to be conducted via Microsoft Teams.