
WEMS 3.38 and Prudential Service 1.6 Release Notes

March 2021



Important notice

PURPOSE

The Australian Energy Market Operator (AEMO) has prepared this document to provide information about the Wholesale Electricity Market System (WEMS) 3.38 (Build 3.38-1536-1) and Prudential Service 1.6 (Build 1.6-790-1) release as at the date of publication.

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VERSION CONTROL

Version	Release date	Changes
1.0	30/03/2021	Initial Publication for WEMS 3.38 Market Trial Release

DOCUMENT APPROVAL

Name	Position	Date
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1. Introduction

1.1 Overview

These are the release notes for Wholesale Electricity Market System (WEMS) 3.38 (Build 3.38-1536-1) and Prudential Service 1.6 (Build 1.6-790-1).

This WEMS release includes:

- Implementation of a new 5-minute Balancing Load Forecast web service.
- Implementation of a Balancing Submission Ramp Rate Validation
- Several minor bug fixes and improvements

The system changes under this release are described in the sections below.

1.2 Supporting documentation

The following documents¹ have been updated for this release and should be read in conjunction with these release notes:

- WEMS Report and Web Services Specification
- WEMS Submission Specification
- WEMS Submission Validation

1.3 WEMS and Prudential Service version summary

Table 1 summarises the changes in version post deployment of this release.

Table 1 WEMS and Prudential Service version summary

Application	Current version	New version
WEMS	3.37 (Build 3.37-1532-3)	3.38 (Build 3.38-1536-1)
Prudential Service	1.5 (Build 1.5-786)	1.6 (Build 1.6-790-1)

To view the current version of MPI, please navigate to Help > About in the MPI.

1.4 Abbreviations

Table 2 outlines the abbreviations used in this document.

Table 2 Abbreviations

Abbreviation	Expanded name
AEMO	Australian Energy Market Operator
BMO	Balancing Merit Order
IPPs	Independent Power Producers

¹ <https://aemo.com.au/en/energy-systems/electricity/wholesale-electricity-market-wem/procedures-policies-and-guides/guides>

Abbreviation	Expanded name
LFAS	Load Following Ancillary Services
MOSMI	Market Operator System Monitoring Interface
MPI	Market Participant Interface
NCS	Network Control Service
PCS	Product Configuration Specification
RC	Reserve Capacity
RCM	Reserve Capacity Mechanism
SQL	Structured Query Language
WEMS	Wholesale Electricity Market System

1.5 Status legend

Table 3 outlines the issue statuses used in this document.

Table 3 Status Legend

Status
<ul style="list-style-type: none"> Internal changes
<ul style="list-style-type: none"> Minimal or no impact to Market Participants
<ul style="list-style-type: none"> Needs Market Participants' attention. Potentially requires system or operational procedure changes.

2. Introduction of 5-minute Balancing Load Forecast Web Service

In March 2019 AEMO increased the frequency of delivery of the Balancing Load Forecast data to WEMS. Previously the Balancing Load Forecast was delivered to WEMS every 30 minutes but is now delivered every 5 minutes. This has ensured the most up to date forecast information is used as an input to the forecast Balancing Price.

In order to improve the accessibility of this information AEMO has modified the existing web service query to allow the 5-minute Balancing Load Forecast to be accessed via web service. The URL of the Balancing Reports web service has been updated to version 2.5 to implement this change:

- <https://wems.aemo.com.au/mpi/ws/balancing/v2.5?wsdl>

The new web service provides a forecast for all Trading Intervals in the Balancing Horizon and the following limitations will apply to the Web Service:

Table 4 getBalancingLoadForecast Limitations

Parameters	Web Service
Available data	Remaining Trading Intervals in the Balancing Horizon

Please refer to the latest WEMS Report and Web Services Specification for further details. These documents can be found on the Guides and Useful Information² section of the AEMO Website.

The 5-minute Balancing Load Forecast data information is also available to Market Participants via the AEMO public data site³.

3. Balancing Submission Ramp Rate Validation

In this release AEMO has introduced a validation check for Balancing Submissions to ensure a 0MW/minute Ramp Rate cannot be submitted in WEMS when the Quantity submitted is positive. This additional validation has been clarified in the latest WEMS Submission Validation document².

4. Resolved issues

In addition to the functionality above, the following issues have been resolved in this release.

² <https://aemo.com.au/energy-systems/electricity/wholesale-electricity-market-wem/procedures-policies-and-guides/guides>

³ <http://data.wa.aemo.com.au/#balancing-load-forecast>

Table 5 Resolved Issues

Reference	Summary	Resolution
● WEMS-7212	A situation was identified in WEMS MPI - Market Trial where a user with both read/write and read only permissions could not make STEM submissions.	Fix to allow a user with both read/write and read only permissions to make submission in WEMS MPI.
● WEMS-7202	Incorrect NCS Dispatch data published on the public data website due to incomplete records and duplicate data.	The NCS information published on the public data website has been updated.
● WEMS-7216	WEMS MPI did not display the current version of the WEMS, RCM and Prudential Service applications.	WEMS MPI will now display the current version of the WEMS, RCM and Prudential Service applications. This information can be found in WEMS MPI (MPI -> Help -> About).
● WEMS-7176	<ul style="list-style-type: none">• AEMO was unable to update the End Date/Interval when a Dispatch Advisory is withdrawn.• AEMO was unable to withdraw a Dispatch Advisory when issued with no End Date/Interval• Withdraw button remains visible and clickable after withdrawing a Dispatch Advisory.	Code changes to Dispatch Advisory functionality to correct these bugs.
● WEMS-7146	Email was not received when a Balancing Declaration change request was submitted.	Emails now received for all relevant Market Participant change requests that have been submitted.