



WEMS 3.37 and RCM 1.19 Release Notes

November 2020

Important notice

PURPOSE

The Australian Energy Market Operator (AEMO) has prepared this document to provide information about the Wholesale Electricity Market System (WEMS) 3.37 (Build 3.37-1532-3) and Reserve Capacity Mechanism (RCM) 1.19 (Build 1.19-2991-1) release as at the date of publication.

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VERSION CONTROL

Version	Release date	Changes
1.0	14/10/2020	Initial Publication for RC_2017_02 changes as part of WEMS 3.37
2.0	25/11/2020	Secondary Publication for additional changes as part of WEMS 3.37

DOCUMENT APPROVAL

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1. Introduction

1.1 Overview

These are the release notes for Wholesale Electricity Market System (WEMS) 3.37 (Build 3.37-1532-3) and Reserve Capacity Mechanism (RCM) 1.19 (Build 1.19-2991-1).

This WEMS release includes:

- Implementation of 30-Minute Balancing Gate Closure;

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

1.2 Supporting documentation

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

- WEMS MPI User Guide¹
- WEMS Report and Web Service Specifications²

1.3 WEMS and RCM version summary

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

Table 1 WEMS and RCM version summary

Application	Current version	New version
WEMS	3.36 (Build 3.36-1529-2)	3.37 (Build 3.37-1532-3)
RCM	1.18 (Build 1.18-2988-1)	1.19 (Build 1.19-2991-1)

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
BGC	Balancing Gate Closure
BMO	Balancing Merit Order
IPPs	Independent Power Producers
LFAS	Load Following Ancillary Services

¹ Available at <https://www.aemo.com.au/Electricity/Wholesale-Electricity-Market-WEM/Participant-information/Guides-and-useful-information>

² <https://www.aemo.com.au/-/media/Files/Electricity/WEM/Participant-Information/Guides-and-Useful-Information/2019/3-AEMO--WEMS-Report-Specification-v38.pdf>

Abbreviation	Expanded name
LSG	Load for Scheduled Generation
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
● Internal changes
● Minimal or no impact to Market Participants
● Needs Market Participants' attention. Potentially requires system or operational procedure changes.

2. RC_2017_02

2.1 Background

The Final Rule Change Report for RC_2017_02: Implementation of 30-Minute Balancing Gate Closure³ was published on 21 July 2020, the Amending Rules will commence at 8:00AM on Tuesday, 1 December 2020.

The changes in RC_2017_02 include changes to both the Balancing Gate Closure and Load Following Ancillary Service ('LFAS') Gate Closure for Market Generators including Synergy in relation to the Balancing Portfolio.

These changes are summarised below and a Section of the new gate closure timeline is provided in Figure 1:

- move from a 120-minute rolling Balancing Gate Closure to a 90-minute rolling Balancing Gate Closure (WEM Rule 7A.1.17);
- move from a 240-minute gate closure for Synergy for the Balancing Market, with a 6-hour bidding block, to a 150-minute rolling gate closure for Synergy for the Balancing Market (WEM Rule 7A.2.9 (d));
- move from a 300-minute LFAS Gate Closure, with a 6-hour bidding block, to a 210-minute LFAS Gate Closure, with a 4-hour bidding block (WEM Rule 7B.2.1); and
- move from a 600-minute LFAS Gate Closure, with a 6-hour bidding block, to a 210-minute LFAS Gate Closure, with a 4-hour bidding block, for Synergy (WEM Rule 7B.2.4).

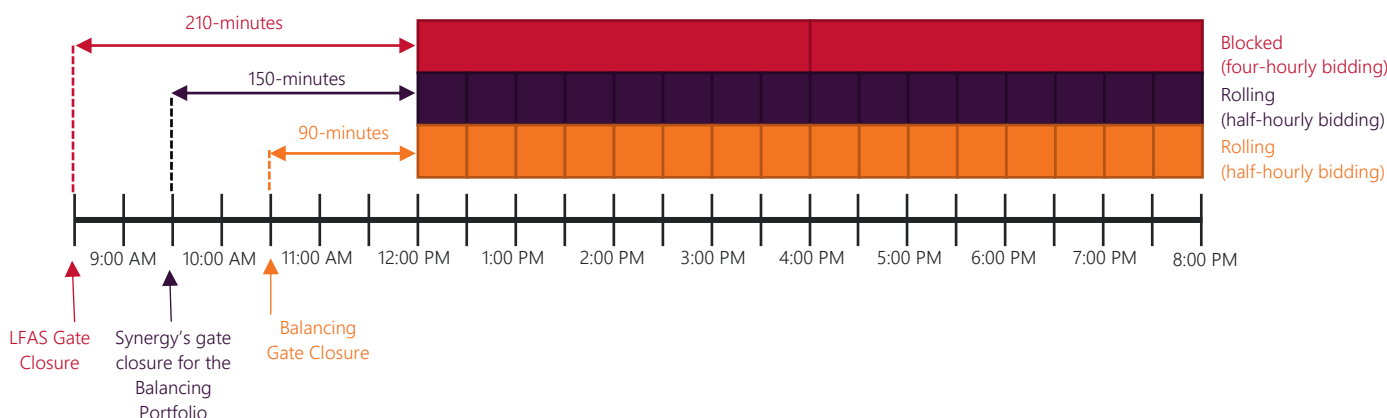


Figure 1: New Gate Closure Timeline

Section of a Trading Day from 12:00 PM to 8:00 PM with gate closures for both Balancing Market and LFAS Market. The highlighted times are for the 12:00 PM Balancing Gate Closure and 12:00 PM to 4:00 PM LFAS Block Gate Closure.

2.2 WEMS Changes

To give effect to the changes introduced in RC_2017_02 the following changes have been implemented in WEMS:

- Balancing and LFAS submission validations and warning have been updated to reflect RC_2017_02 Balancing Gate Closures and LFAS Gate Closures. These warnings are displayed on Balancing → File Exchange (Figure 2) and in Results Files for Submissions.

³ Available at https://www.erawa.com.au/cproot/21363/2/RC_2017_02----Final-Rule-Change-Report.pdf

- Balancing Gate Closure violations will continue to be reported in the Balancing → Balancing Gate Closure violations

Detail History			
Date & Time	Message Code	Message Type	Message
12/10/2020 17:38:03	I0001	Info	File Uploaded to AEMO Server - Starting File Processing
12/10/2020 17:38:03	G0001	Gate Closure Violation	Line 7: Interval already past gate closure at time of submission
12/10/2020 17:38:03	G0001	Gate Closure Violation	Line 13: Interval already past gate closure at time of submission
12/10/2020 17:38:03	W0002	Warning	There are gate closure violations within the submission
12/10/2020 17:38:03	I0003	Info	File Processing Completed Successfully with Warnings

Figure 2: File Exchange Gate Closure Violation and Warnings

2.3 Commencement

RC_2017_02 will commence at 8:00 AM on Tuesday 1 December 2020. From this time the Balancing Gate Closure will be 90 minutes immediately before the commencement of the Trading Interval.

Accordingly:

- For the 9:30 AM Trading Interval Balancing Gate Closure will first occur at 7:30 AM. At rule commencement at 8:00 AM Balancing Gate Closure will change to 90 minutes. For the 9:30 AM Trading Interval, this will be 8:00 AM which is the same as the commencement time.
- For the 10:00 AM Trading Interval Balancing Gate Closure will be reduced to 8:30 AM (previously 8:00 AM) at rule commencement at 8:00 AM.

During the transition over the commencement time, WEMS will not flag warning messages for Balancing Gate Closure violations for the 8:00 AM, 8:30 AM, 9:00 AM Trading Intervals if they are within 90-minutes. These warnings are for information only.

Market Participants should note that the RC_2017_02 changes do not commence until 8:00 AM. Therefore, the Balancing Gate Closure for these intervals is 120 minutes.

Please note Market Participants must comply with the Balancing Gate Closures and LFAS Gate Closures before and after commencement.

Table 1: Balancing Gate Closure Timeline for IPPs on 1 December 2020

Trading Interval	Balancing Gate Closure
7:30 AM	5:30 AM
8:00 AM	6:00 AM
8:30 AM	6:30 AM
9:00 AM	7:00 AM
9:30 AM	7:30 AM (before 8:00 AM) 8:00 AM (from 8:00 AM)
10:00 AM	8:30 AM

2.4 Market Trial

A four-week Market Trial period for this release will commence 28 October 2020 in AEMO's Market Trial environment⁴.

In order to allow Market Participants the ability to test their systems the new Gate Closures will become effective in the Market Trial environment at 8:00 AM 29 October 2020, effectively replicating the changeover at 8:00 AM 1 December 2020.

AEMO can support Market Participant testing upon request. Market Participants can provide any feedback in relation to this trial to wa.operations@aemo.com.au.

3. Resolved issues

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

Table 4 Resolved Issues

Reference	Summary	Resolution
● WEMS-7145	It was found that Dispatch Advisories with an End Date/Time that was in the past could still be withdrawn. This functionality should not be available.	Dispatch Advisories that have an End Date/Time in the past can no longer be withdrawn.
● RCM-1651	AEMO users do not currently have the ability to edit or remove Action Centre notes on the Certified Reserve Capacity Application page.	Functionality has been improved allowing AEMO users to edit or delete Action Centre notes. Edited or deleted notes will be stored in the database.

Additional AEMO functionality has been introduced to complement the changes seen by Market Participants. This functionality is primarily in relation to the monitoring and alerting application MOSMI. These changes ensure AEMO can effectively managed its obligations to Market Participants as detailed in the WEM and GBB Participant Support Guide.

⁴ <https://wems-mkt.aemo.com.au/mpi>