



WEMS 3.27 AND RCM 1.9 RELEASE NOTES

Published: **September 2018**





IMPORTANT NOTICE

Purpose

The Australian Energy Market Operator has prepared this document to provide information about the Wholesale Electricity Market System (WEMS) 3.27 (Build 3.27-1410-4) and RCM 1.9 (Build 1.9-2787-2) releases, as at the date of publication.

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VERSION RELEASE HISTORY

Version	Effective Date	Summary of Changes
1.0	09/08/2018	Document Creation
1.1	22/08/2018	Added details of REPOC changes to Market Data Website
1.2	17/09/2018	Added issue WEMS-6809 to the Resolved Issue table.

DOCUMENT APPROVAL

Name and Position	Date
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1. INTRODUCTION

These are the release notes for the Wholesale Electricity Market System (WEMS) 3.27 (Build 1410-4) and RCM 1.9 (Build 2787-2) Release.

This WEMS and RCM release includes:

- changes to IRCR calculations related to the New Notional Manifest Error Rule Change (RC_2018_01);
- changes to file naming for PIR files for RCM Adjustments; and
- a number of resolved issues including:
 - updates to units on certain values in IRCR PIRs;
 - improvements to the WEMS Settlements Portal; and
 - improvements to the RC Testing tool for self-scheduled observation tests; and
 - addition of NCS Contract ID field in System Management Operation Instructions report.

These changes and resolved issues under this release are described in the sections below.

Supporting documentation

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

- 1) IRCR-CSS Version 1.1, available at:

https://wems.aemo.com.au/mpi/mpi-ui/settlements/settlementDownload.action?filename=IRCR-CSS_v1.1.xlsm

WEMS and RCM version summary

The table below summarises the changes in version post this release deployment.

Application	Current version	New version
WEMS	3.26 (Build 1397)	3.27 (Build 1410-4)
RCM	1.8 (Build 2765-2)	1.9 (Build 2787-2)

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



2. NEW FUNCTIONALITY

This section details the new functionality which will be delivered in this WEMS release.

2.1 New Notional Manifest Error

AEMO has modified the IRCR calculation to aggregate the non-interval meters added and non-interval meters removed since the preceding Hot Season. These changes relate to the implementation of RC_2018_01.

A new version of the IRCR-CSS document has been uploaded to the Download Files section of the Settlement drop-down in the WEMS MPI. The updated IRCR-CSS includes new variables for Synergy. Synergy's IRCR PIR file will contain the new variables as defined in the IRCR-CSS.

There are no changes to PIR files for other Market Participants.

2.2 RCM PIR File Name Convention

In order to improve the publishing process for NSTEM Adjustment PIR and Invoices and to improve readability, the naming convention for RCM PIRs has been amended. RCM PIRs generated from an initial settlement run remain the same.

In the previous naming convention, each PIR generated from an adjustment settlement run was allocated the same name as the PIR generated from an initial settlement run, while the PIR generated from an initial settlement run was renamed to have the date of the adjustment appended to it.

The new naming convention is for the name of the PIR generated from an initial settlement run to remain unchanged, and as each PIR is generated from an adjustment settlement run the adjustment number is appended. This is the same scheme as currently used for RCM statements.

Settlement Run	Old File Name Convention	New File Name Convention
Initial	RCM_PIR_[participant]_F_[initial end date].csv <i>Example: RCM_PIR_EXMPLNRG_F_2018-01-31.csv</i>	RCM_PIR_[participant]_F_[initial end date].csv <i>Example: RCM_PIR_EXMPLNRG_F_2018-01-31.csv</i>
Adjustment	<p>Initial PIR: Initial renamed. RCM_PIR_[participant]_F_[initial end date]([adjustment run date]).csv <i>Example: RCM_PIR_EXMPLNRG_F_2018-01-31(2018-03-31).csv</i></p> <p>Adjustment PIR: Same name as original initial RCM_PIR_[participant]_F_[initial end date].csv <i>Example: RCM_PIR_EXMPLNRG_F_2018-01-31.csv</i></p>	<p>Initial PIR: Initial not renamed. RCM_PIR_[participant]_F_[initial end date].csv <i>Example: RCM_PIR_EXMPLNRG_F_2018-01-31.csv</i></p> <p>Adjustment PIR: Named for adjustment: RCM_PIR_[participant]_F_[initial end date](1).csv <i>Example: RCM_PIR_EXMPLNRG_F_2018-01-31(1).csv</i></p>



3. UPDATES TO MARKET DATA

The Refund Exempt Planned Outage Count (REPOC) data on the AEMO WA Market Data site (<http://data.wa.aemo.com.au/#repo-count>) has been updated to be fully compliant with Market Rule 10.5.1(zl).

Specifically, a count value for a facility is provided for “*each of the 1,000 Trading Days up to and including the most recent Trading Day which System Management has recorded*” rather than only including a count value for those Trading Days on which there was an associated outage for that facility.



4. RESOLVED ISSUES

	Reference	Summary	Resolution
●	RCM-1235	IRCR PIR documents incorrectly specified MWh (instead of MW) as the units for: <ul style="list-style-type: none">•TPNMNTCR•TPNMTDCR•TPNTDL•TPNTDLCR•TPTDL•NOMTDLCR (WPGENER Only)•TTNMDED (WPGENER Only)	The units in the IRCR PIR are updated to display as MW instead of MWh. No changes were made to the values in IRCR PIRs.
●	WEMS-6768	Requests from WEMS users for Balancing Prices report for large date ranges could cause spikes in CPU and memory usage, which affected performance for all participants. This was previously prevented by a validation on the date-picker; however, the user could manually edit the date fields in MPI and ignore the warning to bypass this validation.	A validation has been added to prevent similar performance issues with requests for this report.
●	WEMS-6030	The Settlement Portal screen could sometimes load with an incorrectly formatted and incomplete invoice table, forcing the user to refresh the page.	The order in which elements on the page are loaded and events executed has been adjusted to eliminate the occurrence.
●	WEMS-6773	For dual-fuelled Facilities, the Reserve Capacity Testing tool did not correctly reflect the fuel-in-use at the time a Facility completed an observation test.	The algorithm used by the Reserve Capacity Testing tool to determine the fuel-in-use during an observation test has been updated to account for Balancing Submissions.



	Reference	Summary	Resolution
●	WEMS-6809	AEMO is required to publish information in relation to Network Control Service (NCS) Contracts on a monthly basis in accordance with clause 5.9.3 of the Market Rules. The WEMS does not currently accommodate this requirement.	<p>Version 2.4 of the Operating Instructions web-service report has been created with the following changes:</p> <ul style="list-style-type: none"> • Unique Identifier required under clause 5.9.3 has been added to the report as the “NCS Contract ID” field; and • The “Instruction Reason Flag” field has been updated to include “N” if the dispatch is for Generator Interim Access (GIA) related NCS contracts or “C” if the dispatch is for non-GIA related NCS Contracts <p>WEMS will continue to support earlier versions (i.e. 2.3) of this web-service. These changes have been documented in section 10.7 of version 3.5 of the WEMS Reports and Web Service Specification¹.</p>
●	WEMS-6769	In order to display relevant files in the Settlement Portal, WEMS needs to maintain a database record of a large number of files. When external applications modify or rename these files, it is sometimes necessary to rebuild this information, which could take a long time and make the information unavailable until complete.	Several performance improvements have been made to improve the time for the full library re-build to complete and minimise the time that settlement portal artefacts are made unavailable.

Status	
●	Internal changes
●	Minimal or no impact to Market Participants
●	Needs Market Participants’ attention. Potentially requires system or operational procedure changes.

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



ABBREVIATIONS

Abbreviation	Expanded name
AEMO	Australian Energy Market Operator
CRC	Certified Reserve Capacity
GIA	Generator Interim Access
MPI	Market Participant Interface
NCS	Network Control Service
PIR	Participant Information Report
Public Data Site	The data repository website for the WEM - http://data.wa.aemo.com.au/
RC	Reserve Capacity
RCM	Reserve Capacity Mechanism
WEMS	Wholesale Electricity Market System