



WEMS: RCM 1.3 RELEASE NOTES

Published: **October 2017**





IMPORTANT NOTICE

Purpose

The Australian Energy Market Operator has prepared this document to provide information about the Wholesale Electricity Market System (WEMS) RCM 1.3 (Build 2272-1) releases, as at the date of publication.

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VERSION RELEASE HISTORY

Version	Effective Date	Summary of Changes
1.0	09/10/2017	Document Creation

DOCUMENT APPROVAL

Name and Position	Date
Martin Maticka Group Manager, WA Markets	09/10/2017



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1. INTRODUCTION

These are the release notes for Wholesale Electricity Market System (WEMS) RCM Release 1.3.

This WEMS Release includes a portion of the system changes required to support the changes to the Reserve Capacity Mechanism (**RCM**) required for 1 October 2017 introduced through the Wholesale Electricity Market Amending Rules 2016 made by the Minister under regulation 7(4) of the Electricity Industry (Wholesale Electricity Market) Regulations 2004 (**2016 WEM Amending Rules**) as published in the Government Gazette on 31 May 2016.

This release includes a changes relating to the Capacity Credit Allocation process which are described in sections below.

Supporting Documentation

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

- 1) WEMS MPI User Guide
- 2) WEMS Submission Specification
- 3) WEMS Submission Validation
- 4) WEMS Report and Web Service Specification

These four documents are available of AEMO's website at

<http://www.aemo.com.au/Electricity/Wholesale-Electricity-Market-WEM/Participant-information/Guides-and-useful-information>.

Web services will be available for selected submission types and reports. For more information, please refer to the swagger documentation available from:

<https://wems.aemo.com.au/rcm/api/docs/>

WEMS and RCM Version Summary

The table below summarises the changes in the version after this release has been deployed.

Application	Current Version	New Version
WEMS	3.22 (Build 1297-5)	3.22 (Build 1297-5)
RCM	1.2 (Build 2176-5)	1.3 (Build 2272-1)

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 Reserve Capacity Mechanism Dashboard

The Reserve Capacity Mechanism Dashboard has been updated in this release to include the Capacity Allocation tab.

Home		Security	CDA	NTDL	Capacity Allocation	IRCR
2016 - 2017				2017 - 2018		
Capacity Credits		Reserve Capacity Pricing (\$/Year)		Individual Reserve Capacity Requirement		
Total Generation Credits	Total DSP Credits	RC Price	DSM Price	October 2017		
226.24	8	\$111,752.53	\$17,049.74	80.25 ⓘ		
Search						
<div></div>						
Facility ⌵	Facility Type ⌵		Facility Status ⌵		Capacity Credits ⌵	
	SG		O		3.82	
<div>...</div>						

2.2 Capacity Credit Allocation

The Capacity Credit Allocation submission and reporting functionality, previously in the WEMS MPI, has been replaced in this release. Market Participants will be able to make their monthly submissions through the new RCM user interface or alternatively via the web service.

Under the Capacity Allocation menu, a Market Participant will be able to view a summary of the Capacity Credit Allocations Submitted and Capacity Credit Allocations Received for a given Trading Month. The following screenshot shows the Capacity Credit Allocation dashboard available to Market Participants. This dashboard will allow:

- Market Generators to view allocated and available Capacity Credits, and
- Market Customers to view received Capacity Credits and compare against their IRCR.



Home	Security	CDA	NTDL	Capacity Allocation	IRCR
2016 - 2017			2017 - 2018		

Capacity Credit Allocations

Trading Month

October 2017 ▼

Allocations Submitted

Available Capacity Credits	62.264 MW	Allocation Window	01/11/2017 09:00 - 15/11/2017 17:00
Allocated	0 MW		Closes in a month
Unallocated	62.264 MW	Submitted On	-

You have not made any Capacity Credit Allocations

[New Allocation](#)

Allocations Received

Received	0 MW	Acceptance Window	17/11/2017 09:00 - 24/11/2017 17:00
IRCR	38.20 MW		Opens in a month
Accepted	0 MW	Accepted On	-
Allocations exceeding IRCR n/a			

You have not received any Capacity Credit Allocations

Provided a Capacity Credit Allocation window is open for a Trading Month, a Market Participant will be able to create a new allocation for that month. The following screenshot shows a Market Generator's screen with the ability to make a Capacity Credit Allocation to another Market Participant.



Home	Security	CDA	NTDL	Capacity Allocation	IRCR
2016 - 2017			2017 - 2018		

Capacity Credit Allocations

Trading Month

October 2017

Allocations Submitted

[Submit All](#)

Available Capacity Credits	62.264 MW	Allocation Window	01/11/2017 09:00 - 15/11/2017 17:00
Allocated	0 MW		Closes in a month
Unallocated	62.264 MW	Submitted On	-

To ▾

Allocated ▾

Accepted ▾

Status ▾

A Star Electricity ▾

[Save](#)[Cancel](#)[New Allocation](#)

Allocations Received

Received	0 MW	Acceptance Window	17/11/2017 09:00 - 24/11/2017 17:00
IRCR	38.20 MW		Opens in a month
Accepted	0 MW	Accepted On	-
Allocations exceeding IRCR n/a			

Provided a Market Participant created Capacity Credit Allocation for the previous month, the Market Participant will have the ability to copy the previous months Capacity Credit Allocations. The following screenshot shows how a Market Participant can use the Copy From Last Month function to use the previous months Capacity Credit Allocations.



Home	Security	CDA	NTDL	Capacity Allocation	IRCR
2016 - 2017			2017 - 2018		

Capacity Credit Allocations

Trading Month

November 2017 ▼

Allocations Submitted

Available Capacity Credits 62.264 MW
Allocated 0 MW
Unallocated 62.264 MW

Allocation Window 01/10/2017 09:00 - 05/10/2017 17:00
Closes in 6 hours
Submitted On -

You have not made any Capacity Credit Allocations

[Copy From Last Month](#)[New Allocation](#)

Allocations Received

Received 0 MW
IRCR 38.20 MW
Accepted 0 MW
Allocations exceeding IRCR n/a

Acceptance Window 19/12/2017 09:00 - 28/12/2017 17:00
Opens in 2 months
Accepted On -

You have not received any Capacity Credit Allocations



3. DISABLED FUNCTIONALITY

The changes to the RCM processes introduced by the 2016 WEM Amending Rules has resulted in existing functionality in WEMS being disabled and replaced.

The following tables describes the existing WEMS submissions and reports which have been disabled. Please note that the screens supporting the functionality listed below will still be visible, however users will not be able to perform any of the related functions.

Submissions

Description	WEMS Link	Comments
Monthly Capacity Allocation Submissions	https://wems.aemo.com.au/mpi/mpi-ui/reserveCapacity/fileExchange_Allocation.action	Will be replaced by a new user interface and web service in this release
Monthly Capacity Allocation Confirm Submissions	https://wems.aemo.com.au/mpi/mpi-ui/reserveCapacity/fileExchange_ConfirmAllocation.action	Will be replaced by a new user interface and web service in this release

Reports

Description	WEMS Link	Comments
RC Allocation Report	https://wems.aemo.com.au/mpi/mpi-ui/reserveCapacity/allocation_allocation.action	Populated for Trading Months up to and including September 2017. For Trading Months October 2017 onwards, a new user interface and web service will be available.
RC Allocation Confirm Report	https://wems.aemo.com.au/mpi/mpi-ui/reserveCapacity/allocation_confirm.action	Populated for Trading Months up to and including the September 2017. For Trading Months October 2017 onwards, a new user interface and web service will be available.
Capacity Credit Final Allocation	https://wems.aemo.com.au/mpi/monthlyReports.action?reportName=RCM_CCFinalAllocation MPI report name: RCM_CCFinalAllocation Web Service Report: getFinalCapCreditAllocReportRequest	Populated for Trading Months up to and including the September 2017. For Trading Months October 2017 onwards, a new user interface and web service will be available.
Capacity Credit Supplier Allocation	https://wems.aemo.com.au/mpi/monthlyReports.action?reportName=RCM_CCFinalAllocationSup MPI report name: RCM_CCFinalAllocationSup Web Service Report: getFinalCapCreditAllocSupReportRequest	Populated for Trading Months up to and including the September 2017. For Trading Months October 2017 onwards, a new user interface and web service will be available.
Capacity Credit Initial Allocation	https://wems.aemo.com.au/mpi/monthlyReports.action?reportName=RCM_CCInitialAllocation MPI report name: RCM_CCInitialAllocation Web Service Report: getInitCapCreditAllocReportRequest	Populated for Trading Months up to and including the September 2017. For Trading Months October 2017 onwards, a new user interface and web service will be available.
Capacity Credit Initial Supplier Allocation	https://wems.aemo.com.au/mpi/monthlyReports.action?reportName=RCM_CCInitialAllocationSup MPI report name: RCM_CCInitialAllocationSup Web Service Report: getInitCapCreditAllocSupReportRequest	Populated for Trading Months up to and including the September 2017. For Trading Months October 2017 onwards, a new user interface and web service will be available.



Description	WEMS Link	Comments
Monthly Capacity Credits	https://wems.aemo.com.au/mpi/monthlyReports.action?reportName=RCM_CCInitialAllocationSup MPI report name: RCM_MonthlyCC Web Service Report: getMPMonthlyCCReportRequest	Populated for Trading Months up to and including the September 2017. For Trading Months October 2017 onwards, a new user interface and web service will be available.



4. RESOLVED ISSUES

	Reference	Summary	Resolution
		No issues resolved in this release	

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



ABBREVIATIONS

Abbreviations

Abbreviation	Expanded name
2016 WEM Amending Rules	Wholesale Electricity Market Amending Rules 2016 made by the Minister under regulation 7(4) of the Electricity Industry (Wholesale Electricity Market) Regulations 2004 as published in the Government Gazette on 31 May 2016
AEMO	Australian Energy Market Operator
IRCR	Individual Reserve Capacity Requirement
MPI	Market Participant Interface
RCM	Reserve Capacity Mechanism
WEM Rules	Wholesale Electricity Market Rules
WEMS Release	WEMS 3.22 (Build 1297-5) and RCM 1.3 (Build 2272-1 releases
WEMS	Wholesale Electricity Market System