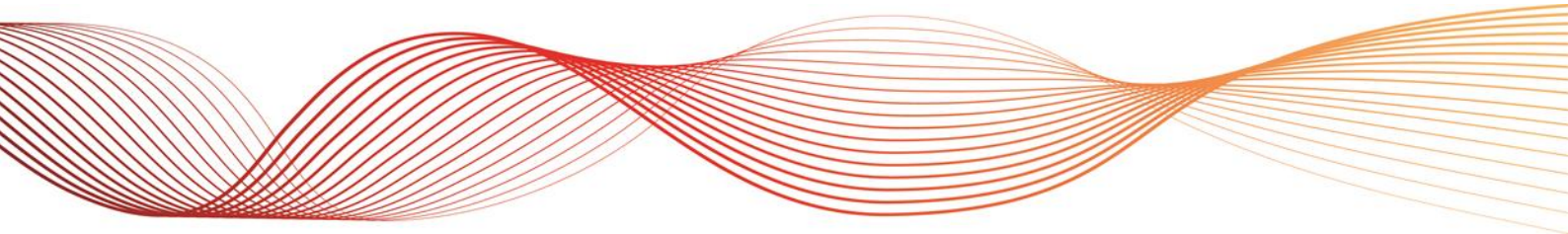




RCM 1.8 RELEASE NOTES

Published: **June 2018**





IMPORTANT NOTICE

Purpose

The Australian Energy Market Operator has prepared this document to provide information about the Wholesale Electricity Market System (WEMS) RCM 1.8 (Build 1.8-2765) release, as at the date of publication.

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VERSION RELEASE HISTORY

Version	Effective Date	Summary of Changes
1.0	06/06/2018	Document Creation

DOCUMENT APPROVAL

Name and Position	Date
Martin Maticka Group Manager, WA Markets	1/06/2018



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1. INTRODUCTION

This is the release notes for the Wholesale Electricity Market System (WEMS) Reserve Capacity Mechanism (RCM) Release 1.8 (Build 2765).

This release includes improvements to the Reserve Capacity Mechanism (RCM) portal, changes to Consumption Deviation Applications (CDA) and the implementation of the new historical Capacity Credit report.

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

Supporting documentation

The WEMS Market Participant Interface (MPI) User Guide has been updated for this release and should be read in conjunction with these release notes, the document is available on AEMO's website at:

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

WEMS and RCM version summary

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

Application	Current version	New version
RCM	1.7 (Build 2716-4)	1.8 (Build 2765)

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 RCM release.

2.1 Historical Capacity Credit report

AEMO has implemented a new report which contains historical Capacity Credit information of all Facility's from Market Participants participating in the RCM. This report will be available from the 2014-15 Capacity Year and includes any previous changes to Capacity Credits up to and including today.

The report can be downloaded from the RCM portal as shown in Figure 1. The format is defined in Table 1 and is available via web services (refer to Table 2).

Figure 1 Historical Capacity Credit report location



Home	CRC Application	Security	Trade Declaration	CDA	NTDL	Capacity Allocation	IRCR
2014 - 2015	2015 - 2016	2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022
Capacity Credits		Reserve Capacity Pricing (\$/Year)		Individual Reserve Capacity Requirement			
Total Generation Credits	Total DSP Credits	RC Price	DSM Price				
Search							
<input type="text"/>							
Facility	Facility Type	Facility Status	Capacity Credits				
	DSP	O	...				
	SG	O	...				
Download All							

Table 1 Historical Capacity Credit CSV format

Field Name	Description
Participant	WEMS Participant Code
Facility	WEMS Facility Code
Capacity Credits	Capacity Credits (MW), e.g. 123.456
Effective From	The trading interval the Capacity Credits are effective from, e.g. 01/10/2019 08:00

Table 2 Web service information

Description	Link
Historical Capacity Credit report	https://wems.aemo.com.au/rcm/api/docs/ Web Service Report: <code>/api/v1/CapacityYears/{capacityYearId}/CapacityCredits/History</code>



2.2 Consumption Deviation Application

In response to stakeholder feedback AEMO has relaxed the restrictions on submitting CDA. Market Participants may now submit more than one CDA per NMI per Capacity Year. When a new CDA is approved the previous submission will be automatically lapsed as shown in Figure 2.

Figure 2 Lapsed Consumption Deviation Application

Home		CRC Application			Security			Trade Declaration		CDA		NTDL		Capacity Allocation		IRCR	
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032

Consumption Deviation Applications

[New Application](#)

The submission window for 2017 ends on 29/09/2018 08:00

Search

NMI	Application Status	Submitted On
1000000000	LAPSED	27/10/2017 16:47:48
1000000000	ACCEPTED	25/05/2018 14:17:54

2.3 Improvements to the CRC assessment process

This release includes a number of operational improvements that will assist AEMO when completing assessment of application for Certified Reserve Capacity (CRC). The improvements noted below are not visible to Market Participants and have no impact on Market Participants systems or operational procedures.

- **Outage rate tool** - The tool will calculate Facility outage rates to determine if Facility's have breached outage rate limits in accordance with Market Rule 4.11.1(h).
- **CRC assessment sheet** - AEMO has made improvements to the internal review and approval process of applications for CRC.

2.4 Data migration

The RCM Dashboard and Facility Management Dashboard will be populated with the Capacity Credit information for the 2014-15 and 2015-16 Capacity Years. However, Market Participants will continue to view their Applications for CRC and trade declarations for these Capacity Years in WEMS MPI under the Reserve Capacity menu (Archived Reports).



3. DISABLED FUNCTIONALITY

AEMO has removed a number of fields from existing web service reports that are internal to AEMO and are not being used by Market Participants.

Table 3 Disabled fields in existing web service reports

Description	Link	Disabled fields
Capacity Year configuration information	https://wems.aemo.com.au/rcm/api/docs/ Web Service Report: <ul style="list-style-type: none"> • <code>get/api/v1/CapacityYears</code> • <code>get/api/v1/CapacityYears/{capacityYearId}</code> 	<p>The follow fields will be removed from the API:</p> <ul style="list-style-type: none"> • <code>benchmarkReserveCapacityPrice</code> • <code>expectedDsmDispatchQuantity</code> • <code>dsmActivationPrice</code> • <code>publishEsoo</code> • <code>certAemoCrcApprovalEnd</code> • <code>tradeDeclarationApdx3Calc</code> • <code>tradeDeclarationApdx3CalcPublication</code> • <code>relevantLevelEflsg</code> <p>The following fields will be displayed after their respective publication date:</p> <ul style="list-style-type: none"> • <code>reserveCapacityPrice</code> • <code>dsmReserveCapacityPrice</code>
Capacity Year Facility information	https://wems.aemo.com.au/rcm/api/docs Web Service Report: <code>get/api/v1/CapacityYears/{capacityYearId}/Facilities</code>	<p>The follow fields will be removed from the API:</p> <ul style="list-style-type: none"> • <code>lastObligationDateChange</code>



4. RESOLVED ISSUES

	Reference	Summary	Resolution
●	RCM-1574	CDA – Save fails second time	A bug has been fixed that prevented Market Participants from editing and saving a CDA.

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
AEMO	Australian Energy Market Operator
CDA	Consumption Deviation Application
CRC	Certified Reserve Capacity
MPI	Market Participant Interface
NMI	National Meter Identifier
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