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# RCM Reform release 1 (RCM 1.24) Release Notes

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**November 2021**

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# Important notice

## PURPOSE

The Australian Energy Market Operator (AEMO) has prepared this document to provide information about the RCM 1.24 (Build 1.24-3020) release as at the date of publication.

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## VERSION CONTROL

Version	Release date	Changes
1.0	04/11/2021	Initial publication for RCM 1.24 Market Trial release

## DOCUMENT APPROVAL

Name	Position	Date
Martin Maticka	Group Manager, WA Markets	03/11/2021

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# 1. Introduction

## 1.1 Overview

These are the release notes for the Reserve Capacity Mechanism (RCM) portal 1.24 (Build 1.24-3020). This release includes the changes to the RCM portal required for the Certified Reserve Capacity (CRC) process for the 2021 Reserve Capacity Cycle. These changes reflect the Wholesale Electricity Market Amendment (Tranches 2 and 3 Amendments) Rules 2020<sup>1</sup>.

These changes affect the CRC Applications tab in the RCM portal and include:

- Updates to reflect the new registration framework.
- The addition of a table listing the Facility's components, where clicking on a component takes the user to a separate page for each component.
- The ability to include or exclude components from a CRC application.
- Updates to the submission functionality to ensure components are included.

These changes are explained in further detail in section 2.

## 1.2 Supporting documentation

The WEMS MPI User Guide<sup>2</sup> will be updated before this release is deployed to the Production environment<sup>3</sup> and should be read in conjunction with these release notes.

## 1.3 Version summary

The changes in versions post deployment of this release are summarised in Table 1.

To view the current application versions, please navigate to **Help > About** in the MPI.

**Table 1** Version summary

Application	Current version	New version
RCM	RCM 1.23 (Build 1.23-3012-1)	1.24 (Build 1.24-3020)

## 1.4 Terms and abbreviations

The terms and abbreviations used in this document are outlined in Table 2.

**Table 2** Terms and abbreviations

Abbreviation	Expanded name
AEMO	Australian Energy Market Operator
CRC	Certified Reserve Capacity
DSP	Demand Side Programme

<sup>1</sup> Available at: <https://www.wa.gov.au/government/document-collections/wholesale-electricity-market-rules>.

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

<sup>3</sup> Scheduled for 24 November 2021.

Abbreviation	Expanded name
MPI	Market Participant Interface
NSF	Non-Scheduled Facility
RCM	Reserve Capacity Mechanism
SF	Scheduled Facility
SSF	Semi-Scheduled Facility
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 Participant attention. Potentially requires system or operational procedure changes.

# 2. RCM portal changes

## 2.1 CRC Applications tab

The CRC Applications tab homepage has been updated to reflect the new Facility Classes as follows (see Figure 1):

- Demand Side Programme (DSP).
- Non-Scheduled Facility (NSF).
- Scheduled Facility (SF).
- Semi-Scheduled Facility (SSF).

The Facility Class recorded in the RCM Portal will reflect each Facility's Indicative Facility Class or RCM Facility Class.

**Figure 1 CRC application homepage**

Home	<b>CRC Application</b>	Security	Trade Declaration	CDA	NTDL	Capacity Allocation	IRCR	Peak Intervals	RC Testing
>	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	<b>2023 - 2024</b>				

## Applications for Certification

Certification Submission Window  
Closes in months

Application	Facility Class	Facility Status	Application Status	Submitted On
-	NSF	O	OPEN	-
-	SF	O	OPEN	-
-	SF	O	OPEN	-
-	NSF	O	OPEN	-
-	SF	O	OPEN	-
-	SF	O	OPEN	-

## 2.2 Facility CRC application

When a Market Participant user clicks on the name of a Facility, a new page opens which displays static information about the Facility, as shown in Figure 2.

**Figure 2 Static information in the Facility CRC application page**

Home	<b>CRC Application</b>	Security	Trade Declaration	CDA	NTDL	Capacity Allocation	IRCR	Peak Intervals	RC Testing
>	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	<b>2023 - 2024</b>				

## Application for Certification

Participant:		Capacity Year:	2023 - 2024
Facility Name:		Certification Window:	
Facility Class:	Scheduled Facility		
Facility Status:	Commercial Operation		
Application Status:	OPEN		
Assigned CRC:	-		
Application Type:	Existing		

When the page is in edit mode (after clicking the 'Edit' button), Market Participants can enter information into the Facility's CRC application (see Figure 3). This can include document uploads or data entry fields. Mandatory fields, which are required to be provided for the application to be able to be submitted, are denoted by a red asterisk. The 'Cancel' button discards all changes made, while the 'Save' button updates the database with the information entered. Market Participants may save their application and come back to it later to continue working.

**Figure 3 Example Facility CRC application in edit mode**

Facility Requirements ⓘ Cancel Save

Network Access Confirmation\* ⓘ

  
 Drag file here or browse

Network Constraints Activated in the Past 24 Months\* ⓘ

  
 Drag file here or browse

Declared Sent Out Capacity (DSOC)\* Contract Expiry\* ⓘ

(MW)

✕

Description of Facility\*

  
 Drag file here or browse

## 2.3 Components

Scheduled Facilities and Semi-Scheduled Facilities will have components listed in a table in the Facility CRC application page (see Figure 4). Clicking on the name of the component in the table will open a new page showing static information for the component.

**Figure 4 Component table in CRC application**

Components ⓘ

Components	Technology Type	Assigned CRC (MW)	Include ⓘ	Updated On
Component 1 name	Electric Storage Resource	-	INCLUDED	
Component 2 name	Intermittent Generating System	-	INCLUDED	

The component page includes a 'Back' button that returns the user to the Facility's CRC application page (see Figure 5). When the page is in edit mode, the checkbox to include the component in the CRC application can be selected, indicating that the Market Participant would like to apply for CRC for the component. Only components where this checkbox has been selected will be assessed by AEMO, and an application must include at least one component.

**Figure 5 Static information in the component page**

Home	<b>CRC Application</b>	Security	Trade Declaration	CDA	NTDL	Capacity Allocation	IRCR	Peak Intervals	RC Testing
>	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	<b>2023 - 2024</b>				

### Component CRC Application ⓘ

Facility Class: Scheduled Facility

Component Name:

Assigned CRC: -

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Include component in CRC application

When the page is in edit mode (after clicking the 'Edit' button), Market Participants can enter information into the Facility's CRC application (see Figure 3). This can include document uploads or data entry fields. Mandatory fields, which are required to be provided for the application to be able to be submitted, are denoted by a red asterisk.

**Figure 6 Example component page in edit mode**

### Non-Intermittent Generating System ⓘ

Nameplate Capacity\*

Primary Fuel Type\*      Alternate Fuel Type      Certified Fuel Type\*

Fuel Supply\* ⓘ

↑  
Drag file here or browse

Fuel Transport\* ⓘ

↑  
Drag file here or browse

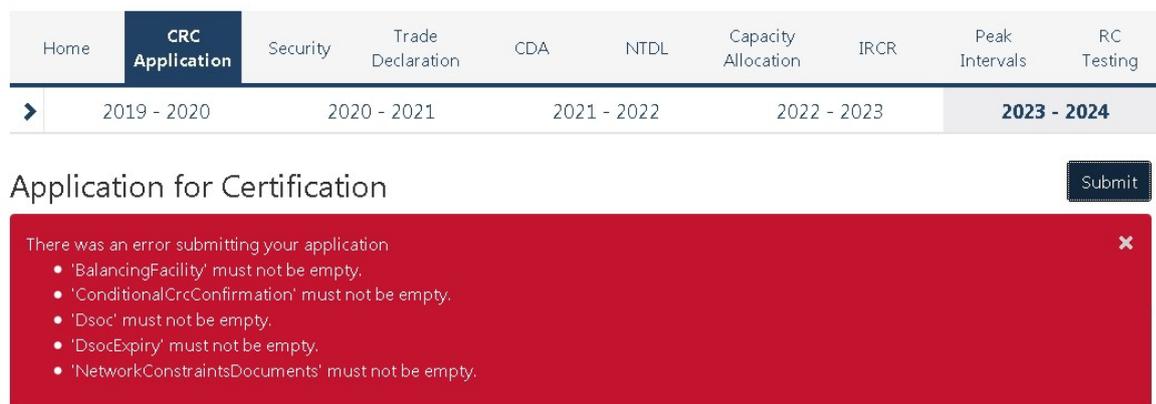
## 2.4 Submit functionality

When the Market Participant user has finished editing the CRC application and clicked 'Save', the 'Submit' button will become available on the Facility page (see Figure 7). On clicking 'Submit', the RCM portal verifies that all mandatory fields have been filled in on both the Facility and component pages.

If information is missing for a mandatory field, an error message will display, detailing the missing information.

Note: there is no 'Submit' button on the component page. The 'Submit' button on the Facility page submits the application for the Facility and any components where the checkbox to include the component has been selected.

**Figure 7** Submit button and error message example on the Facility CRC application page



## 2.5 AEMO changes

New AEMO functionality has been implemented in this release to complement the changes seen by Market Participants. Some examples of these changes include:

- Functionality to assign an Indicative Facility Class and components to Facilities.
- Updates to the scheduled job that automatically creates CRC applications.
- Updates to the AEMO view of the CRC Applications tab in the RCM portal.

## 2.6 Other resolved issues

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

**Table 4** Resolved issues

Reference	Summary	Resolution
● RCM-1752	AEMO is unable to update the Initial Required Level for an intermittent generator when the quantity of Capacity Credits assigned is lower than the CRC.	Addition of an override button to enable AEMO to update the Initial Required Level.
● RCM-1778	The suggested quantity of Capacity Credits when a Facility fails a second Reserve Capacity Test was incorrect.	Fixed the suggested quantity to reflect the maximum performance in either the first or second Reserve Capacity Tests.

# 3. Market Trial

AEMO has scheduled a Market Trial period from 10 November to 23 November 2021. AEMO encourages Market Participants to:

- Review the new CRC application structure.
- Test that CRC applications can be submitted and withdrawn.

Questions and feedback can be directed to the Reserve Capacity team at [wa.capacity@aemo.com.au](mailto:wa.capacity@aemo.com.au).