RCM Reform Phase 2 Release 2.3 (RCM 1.30) Release Notes

March 2023

Important notice

Purpose

AEMO has prepared this document to provide information about the RCM 1.30 (build 1.30-3036-2) release as at the date of publication.

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Version control

Version	Release date	Changes
1	14/03/2023	Initial publication.

Document approval

Name	Position	Date
Dean Sharafi	Group Manager, System Design and Transformation	13/03/2023

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1 Introduction

1.1 Overview

These are the release notes for the Reserve Capacity Mechanism (RCM) Portal 1.30 (build 1.30-3036-1). This release includes the changes to the RCM Portal required for the Trade Declaration and Reserve Capacity Security processes for the 2022 Reserve Capacity Cycle.

These changes affect the Trade Declaration and Security tab in the RCM Portal and include:

- The ability for Market Participants to provide the Minimum Capacity Credits Quantity for a proposed Facility or upgrade.

- Updates to the calculations and display of Reserve Capacity Security amounts for upgrades.

- For Scheduled Facilities and Semi-Scheduled Facilities, Capacity Credit information is now displayed at the Component level in the Facility Management page (accessed through the Home tab).

- Implementation of a new AEMO only NAQ tab to support the Network Access Quantity Model.

These changes are explained in further detail in Section 2.

1.2 Supporting documentation

The WEMS MPI User Guide has been updated for this release and is available on AEMO's website[1].

1.3 Version summary

The change in versions post-deployment of this release is summarised in Table 1. To view the current application version, navigate to **Help > About** in the Market Participant Interface (MPI).

Table 1   Version summary

Application	Current version	New version
RCM Operations	1.29 (build 1.29-3033-1)	1.30 (build 1.30-3036-2)

1.4 Terms and abbreviations

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

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Table 2   Terms and abbreviations

Abbreviation	Expanded name
AEMO	Australian Energy Market Operator
CRC	Certified Reserve Capacity
MPI	Market Participant Interface
NAQ	Network Access Quantity
RCM	Reserve Capacity Mechanism

2 RCM Portal changes

2.1 Trade Declaration tab

2.1.1 Minimum Capacity Credits Quantity

A Market Participant with a proposed status Facility or upgrade which has been assigned Certified Reserve Capacity (CRC) must provide AEMO with the Minimum Capacity Credits Quantity in their Trade Declaration (see Figure 1). The Minimum Capacity Credits Quantity will be used by AEMO in the Network Access Quantity (NAQ) Model. If the Facility is assigned a NAQ less than the nominated Minimum Capacity Credits Quantity, the Facility will be removed from the NAQ Model and Capacity Credits will not be assigned.

The Reserve Capacity status for a Component which is an upgrade will be displayed in the Trade Declaration tab. The status displayed will reflect the status assigned prior to the close of the Trade Declaration window (see Figure 1).

Figure 1   Minimum Capacity Credits Quantity

2.1.2 New validations on submitting a Trade Declaration

New validations on submitting a Trade Declaration include:

- A Market Participant that has nominated a Facility as a Network Augmentation Funding Facility is prevented from also nominating the Facility as a Candidate Fixed Price Facility.

- A Market Participant with Facility that has Non-Co-optimised Essential System Serve must nominate all capacity as available.

2.1.3 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:

- Ability for AEMO to set the Availability Class for each Facility after the Trade Declaration window closes.

- Update the traded CRC calculation.

2.2 Security tab

For new or upgraded Facilities, the Security Required amount will be calculated based on either:

- Assigned CRC – after CRC has been assigned to the upgrade but before the Trade Declaration process has been completed.

- Traded CRC – after AEMO has accepted Trade Declarations and Traded CRC has been calculated.

For a Facility with an upgrade (adding a new component or upgrading an existing component), the Security Calculated amount will be calculated only on the upgrade's Assigned or Traded CRC. The upgrade's name will be displayed in the Facility's record in the Security tab (see Figure 2).

Figure 2   Security transactions section on Security tab

Security Transactions

Participant:	Participant name	Capacity Year:	2025 - 2026
Facility Name:	Facility name	Security Category:	Upgrade
Facility Class:	Scheduled Facility		
Facility Status:	Commercial Operation (01/07/2003)		
Component: ℹ	Upgrade name		
Security Lodged:	$1,687,500.00	Traded CRC:	187.569MW
Security Returned:	$0.00	Security Calculated:	$1,596,337.50
Security Retained:	$0.00		

2.3 Facility Management page

The Facility Management page was disabled from the 2021 Reserve Capacity Cycle (2023-24 Capacity Year) in 2022. AEMO has re-enabled the Facility Management page from the 2021 Reserve Capacity Cycle with changes detailed in the following sections.

2.3.1 Components table

For Scheduled Facilities and Semi-Scheduled Facilities, the Facility Management page will now display a Components table which displays the latest Capacity Credit information for each Component (see Figure 3).

Figure 3 Components table

Components

Component Name ⇕	CC (Capacity Credits) ⇕	Effective From ⇕	Effective To ⇕	Note ⇕	Participant Reduction ⇕	
Facility_IGS_01	193	01/10/2023 08:00	01/10/2024 08:00	RCM assigned CC - Appendix 3		Details
Facility_ESR_01	34.109	01/10/2023 08:00	01/10/2024 08:00	RCM assigned CC - Appendix 3		Details

The Component Capacity Credit Timeline can be viewed by clicking the "Details" button. This displays further information on the Component including any Capacity Credit changes, the reasons for the reduction, and the Required Level for each Component (see Figure 4).

Figure 4 Component Capacity Credit Timeline table

Component Capacity Credits Timeline ✕

| Component | Facility_ESR_01 | | Initial Required Level: MW | | Adjusted Required Level: MW | |

Modified Date ⇕	CC ⇕	Effective From ⇕	Effective To ⇕	Note ⇕	Participant Reduction ⇕
dd/mm/yyyy 00:00	34.109	dd/mm/yyyy 08:00	dd/mm/yyyy 08:00	RCM assigned CC - Appendix 3	
dd/mm/yyyy 00:00	30	dd/mm/yyyy 08:00	dd/mm/yyyy 08:00	Participant reduction	Yes

+

Note that for Demand Side Programmes and Non-Scheduled Facilities, no changes have been made to the Facility Management page. Capacity Credits will continue to be displayed for the Facility.

2.3.2 Upgrades

If a Facility has an upgrade for the relevant Capacity Year, the Associated Upgrades table will be displayed. The table displays the Reserve Capacity status, assigned Capacity Credits, obligation date and relevant Capacity Year (see Figure 5).

Figure 5   Associated Upgrades table

Associated Upgrades

Upgrade	Status	Capacity Credits	Obligation Date	Certified
Facility_IGS_01_UPG	P (dd/mm/yyyy)	MW	dd/mm/yyyy	YYYY-YYYY

2.3.3   Other changes

Other changes to the Facility Management page include:

- Network Access Quantities assigned will be displayed (see Figure 6).

- Capacity Credit timeline graph has been removed.

Figure 6   Facility Management page

SSF	Facility Commercial Operation (01/07/2003) Transitional (2021-22 until 2030-31)	Effective 01/10/2024

Participant: EPOH:

Capacity Credits:

NAQ:

Price:

2.3.4   Internal 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:

- Capacity Credits reductions for a Component.

- Update the Reserve Capacity status of an upgrade.

- Update the obligation date of an upgrade.

- Total NAQ and Capacity Credit Uplift assigned will be displayed on the Home tab.

2.4 Internal AEMO changes

New functionality which is AEMO facing has been implemented in this release to complement the NAQ Model. AEMO has implemented a new NAQ tab in the RCM portal, with the following key features:

- Creation of NAQ Entities and preparation of information to be used in the NAQ Model.

- Mapping of NAQ Entity groups which determine in which step from Appendix 3 of the WEM Rules each NAQ Entity will be added to the Network Access Quantity Model.

- Mapping of all possible steps from Appendix 3 of the WEM Rules which AEMO must run for the relevant Reserve Capacity Cycle.

- Mapping of Constraint Sets to each step.

3   Market trial

AEMO has scheduled a Market Trial period from 22 March to 5 April 2023.

Questions and feedback can be directed to the Reserve Capacity team at wa.capacity@aemo.com.au.