



RELEASE SCHEDULE – DEMAND SIDE PARTICIPATION – RERT UPDATE – DECEMBER 2017

RELEASE SCHEDULE: EMMS122017DSP

Published 4 December 2017 Version 1.00



Schedule Pre-production: Tuesday 28 November 2017

Production: Tuesday 5 December 2017



IMPORTANT NOTICE

Purpose & audience

This document describes the technical changes required to participant's systems for the Release Schedule – Demand Side Participation – RERT UPDATE – December 2017. The Australian Energy Market Operator (AEMO) provides this information as a service targeting business analysts and IT staff in participant organisations. It provides guidance about the changes to their market systems under the National Gas or Electricity Rules (Rules), as at the date of publication.

How to use this document

- If you have questions about the business aspects of these changes, please see Consultations on AEMO's website.
- The references listed throughout this document are primary resources and take precedence over this document.
- Unless otherwise stated, you can find resources mentioned in this guide on AEMO's website.
- **Text in this format**, indicates a reference to a document on AEMO's website.
- This document is written in plain language for easy reading. Where there is a discrepancy between the Rules and information or a term in this document, the Rules take precedence.
- Glossary Terms are capitalised and have the meanings listed against them in the Glossary.
- *Italicised terms* are defined in the Rules. Any rules terms not in this format still have the same meaning.
- Actions to complete in the Web Portal interface are **bold and dark blue**.

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Distribution

Available to the public.

Document Identification

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Prepared by: AEMO Market Systems

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Documents made obsolete

The release of this document changes only the version of EMMS Technical Specification RERT Provider Portal - November 2017.

Further Information

For further information, please visit AEMO's website www.aemo.com.au or contact:

AEMO Information and Support Hub Phone: 1300 AEMO 00 (1300 236 600) and follow the prompts. Email: supporthub@aemo.com.au



Feedback

Your feedback is important and helps us improve our services and products. To suggest improvements, please contact AEMO's Support Hub.

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Introduction

In a joint initiative with ARENA, AEMO are procuring and contracting energy reserves through the Reliability and Emergency Reserve Trader (RERT) process, allowing AEMO to call on short, medium, and long notice contracts.

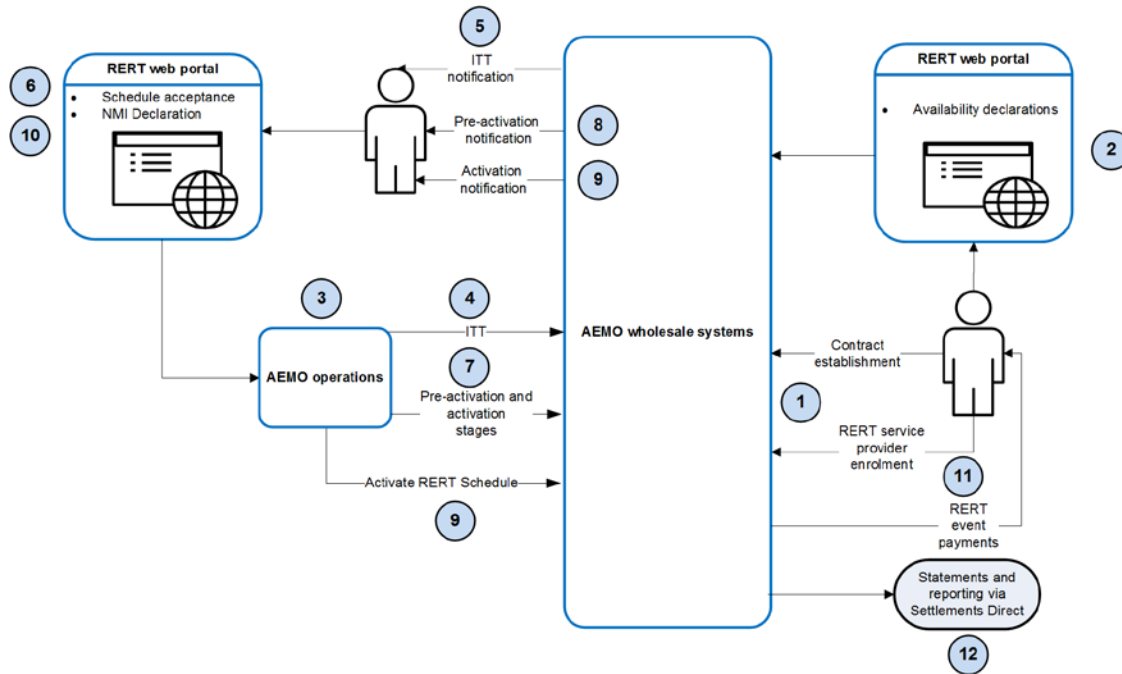
Participants who register as NEM RERT service providers are provided access to MSATS and the EMMS Market Portal to manage their account and perform RERT activities.

The RERT process is illustrated and described below:

1. Participants enrol as a RERT service provider. AEMO provide access to AEMO Market Systems.
2. In the EMMS Markets Portal > MMS > Offers & Submissions > Reserve Trading (RERT) application, a RERT service provider must declare reserve availabilities, and provide event NMI composition. This information helps AEMO determine the RERT event baseline and response, and generate demand forecasts.
3. AEMO create schedules for a RERT event.
4. A RERT schedule triggers the notification service to send an Invitation to Tender (ITT) SMS and email to RERT service providers associated with the schedule.
5. Contract details are provided in the ITT SMS message and email.
6. RERT service providers can accept or reject the ITT in the RERT portal's Schedule Acceptance interface.
7. Upon contract acceptance from RERT service providers, the RERT schedule undergoes pre-activation and activation stages.
8. RERT service providers are sent a pre-activation notification message (SMS and email) for contracts that include a pre-activation stage.
9. The RERT schedule is activated and RERT service providers are sent an activation notification message (SMS and email).



- 10. RERT service providers must provide NMIs and Datastream information in the RERT portal's NMI Declaration interface per contractual obligations with AEMO.
- 11. RERT service providers are paid for providing energy reserve capabilities.
- 12. RERT service providers are notified of settlements.



The main changes in this release include:

- A NMI Declaration interface in the Reserve Trading (RERT) web portal for submitting NMI and Datastream data after a RERT event.
- SMS and email notifications to RERT service providers when a schedule is pre-activated, activated, or cancelled.
- Support for using the Reserve Trading (RERT) web portal support on Microsoft Internet Explorer.

Schedule

The table below details the scheduled times for implementation of this project.

For system outage times, see [AEMO Change Windows on AEMO’s website>IT systems>It Change and Release Management](#).

| Milestone | Date | Description |
|-------------------------------|--------------------------|---|
| Pre-production implementation | Tuesday 28 November 2017 | AEMO implements the release to pre-production for final system/integration testing. AEMO has full access to the system during this period. Participant access is not restricted. However, AEMO does not guarantee the data content or system availability. |



| Milestone | Date | Description |
|------------------------------|-------------------------|---|
| Production systems available | Tuesday 5 December 2017 | Production systems available to participants. |

Approval to change

This release schedule is for information only. All changes are on AEMO's systems so no approval or agreement is required from participant change controllers.

Reserve Trading (RERT) web portal

Enhancements

- Application name change from Demand Side Participation (RERT) to Reserve Trading (RERT).
- Added a new NMI Declaration interface for submitting NMI and Datastream data for a RERT event.

Bug fixes

- Microsoft Internet Explorer 11 web browser support.

NMI Declaration interface

The NMI Declaration interface provides the submission of NMIs and Datastream information, and a file upload facility for declaring large quantities of NMIs. NMIs must be declared within two business days after a RERT schedule has been activated.

After logging into the EMMS portal, the interface is accessed in the left navigation menu under **MMS > Offers & Submissions > Reserve Trading (RERT) > NMI Declaration**.



NMI Declaration

Schedule and Contract

Schedule 19, Contract **MS225%**, Active from 20/11/2017 17:00:00 ▾

Submission Date

22/11/2017 15:07:11 (submitted by GRACEA) ▾

Save Insert row File Upload

| | NMI | DataStream |
|---|------------|------------|
| 1 | 1234512345 | D1 |
| 2 | 2222299999 | D1 |

- Insert row above
- Insert row below
- Remove row
- Undo
- Redo
- Read only
- Alignment ▶
- Copy
- Cut

Please note: Only the NMIs in the final submission for any schedule and contract, will be the

You can use "Insert Row" and add NMI data to the table. "Save" when all NMIs have been e
If you have too many NMIs for this to be practical, rather use the File Upload option.

The file should be a plain text file with one, initial "I,NMILIST,NMI,DATASTREAM" record as s
File content example:

```
I,NMILIST,NMI,DATASTREAM
D,NMILIST,0987654321,12
D,NMILIST,1234567890,21
```

To declare NMIs, you can select the **Schedule and Contract**, and enter details in the interface table, then click **Save** to save and submit the dataset. Alternatively, you can create a CSV file to include large quantities of NMIs, upload the CSV file by selecting **File Upload** that populates and saves the dataset submission.

Dataset submissions can be retrieved by selecting the date and time under **Submission Date**.

RERT schedule notification messages

Additional Pre-activation, activation, and cancellation notification messages are now available. Notification messages are sent to a RERT service provider during the RERT schedule process as described in Table 1.

Notification messages are sent by email and SMS to nominated contracts which are configured in the Settlements Direct application.

Table 1 RERT schedule notification messages

| NOTIFICATION MESSAGE | DESCRIPTION | EXAMPLE MESSAGE |
|----------------------------|---|---|
| Invitation to Tender (ITT) | Notification message to accept or reject a contract within a RERT schedule. | RERT (ITT) for contractID [contractID] in region [regionID] |



| | | |
|----------------|---|---|
| | | <p>Dear [PARTICIPANT]</p> <p>Confirm availability to provide [XX] MW of reserve from [date/time] hrs to [date/time] hrs. DO NOT activate reserve unless further instructed by AEMO.</p> <p>You must confirm availability at [web portal page] by [date/time], otherwise AEMO assumes you are not available.</p> <p>If you have a Long Notice or Medium Notice RERT Agreement, if availability is not confirmed and reserve provided if instructed you may not receive availability charges and may also be subject to further charges.</p> <p>If you have a Short Notice RERT Panel Agreement, this is a Request for Tender and a reserve contract is not formed unless you confirm availability and AEMO sends a confirmation.</p> <p>All time references are NEM time (EST not adjusted for daylight savings)</p> |
| Pre-activation | Notification message when a RERT schedule is at the pre-activation stage. | <p>RERT (Pre-activation) for contractID [contractID] in region [regionID]</p> <p>Dear [PARTICIPANT]</p> <p>This is a request to pre-activate or enable your RERT service under [contract ID]. Pre-activation or enablement is required to ensure [XX]MW of RERT can be delivered for the period [date/time] hrs to [date/time] if required by AEMO.</p> <p>You must not activate or dispatch your RERT unless AEMO contacts you again and instructs you to activate or dispatch.</p> <p>You must confirm receipt of this request by either calling AEMO at 02 8884 5245 or by email to RERTOps@aemo.com.au by [date/time].</p> <p>All time references are NEM time (EST not adjusted for daylight savings)</p> |
| Activation | Notification message when the RERT schedule is activated. | <p>RERT (Activation) for contractID [contractID] in region [regionID]</p> <p>Dear [PARTICIPANT]</p> <p>This is a request to activate or dispatch your RERT service under [contractID]</p> <p>AEMO requires you to provide [XXMW] of RERT for the period [date/time] to [date/time]</p> <p>You must confirm receipt of this request by either calling AEMO at 02 8884 5245 or by email to RERTOps@aemo.com.au by [date/time].</p> <p>You must also advise AEMO as soon as you have activated your RERT by either calling</p> |



| | | |
|--------------|---|--|
| | | <p>AEMO at 02 8884 5245 or by email to RERTOps@aemo.com.au.</p> <p>All time references are NEM time (EST not adjusted for daylight savings)</p> |
| Cancellation | Notification message when a RERT schedule is cancelled. | <p>RERT (Cancellation) for contractID [contractID] in region [regionID]</p> <p>Dear [PARTICIPANT]</p> <p>AEMO no longer requires the delivery of this RERT service as of [date/time]</p> <p>You must confirm receipt of this request by either calling AEMO at 02 8884 5245 or by email to RERTOps@aemo.com.au by [date/time].</p> <p>All time references are NEM time (EST not adjusted for daylight savings)</p> |

What participants need to do

- Reserve Trading (RERT) web portal access: AEMO provides participants who are registered as a RERT service provider login credentials and MarketNet setup and configuration information.
- Add the following URLs to their web browser favourites:
 - Pre-production environment: <https://portal.preprod.nemnet.net.au>
 - Production environment: <https://portal.prod.nemnet.net.au>
- Configure RERT notification messages in EMMS > MMS > Settlements Direct > Subscriptions. For more information, see [Guide to Reliability and Emergency Reserve activities](#).



Risk

There is no risk to participants' IT systems as all changes are on AEMO's systems. AEMO's Market Development Test Team tests all application modules before the pre-production and production releases.

Related resources

Available in the EMMS Markets Portal, <https://portal.preprod.nemnet.net.au/help/> and <https://portal.prod.nemnet.net.au/help/>:

- Reserve Trading (RERT) web help
- Guide to Reliability and Emergency Reserve activities

Glossary

| Abbreviation | Explanation |
|----------------------|---|
| ARENA | Australian Renewable Energy Agency |
| DSP | Demand Side Participation: Information <i>Registered Participants</i> must provide to AEMO. For more information, see the Demand side participation information guidelines in the NER, clause 3.7D. |
| Markets Portal | AEMO's web-based wholesale market management system. |
| NEM | National Electricity Market |
| NER | National Electricity Rules |
| NMI | National Metering Identifier |
| Release | DSP RERT |
| RERT | Reliability and Emergency Energy Trader |
| Reliability Standard | The minimum acceptable reliability target that the NEM should achieve. The reliability standard is set out in Rules clause 3.9.3 C. |