
End-to-End Testing: Test Scenario 13 – Operating Reserve (OR) Activation

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1. Introduction

This document provides an overview of **Test Scenario 13: Operating Reserve (OR) Activation** under the End-to-End Testing phase of the Market Renewal Program.

This document includes the following information:

- a short description of the test scenario as it relates to Market Rules Chapter 0.7 s.7.5.1-7.5.2 and Market Manual Part 0.4.3 s.5.7,
- out of scope items and activities during this test execution,
- the resource and participation types that are recommended to execute this test scenario,
- key dates for impacted Market Participants, and
- the test cases along with the steps that users will execute to verify this test scenario.

2. Scenario Description

Market Participants with dispatchable resources can test the impacts operating resource activations have on their operational and settlement processes. Market Participants will communicate with the IESO through email to determine which resources to activate on the scheduled trade date. It should be noted that the IESO cannot guarantee the activation of specific MW amounts due to the co-optimization and scheduling of operating reserve. Market participants should notify the IESO of any changes to the original ORA time window in case the requested time was not achieved through scheduling.

Market Participants will verify the results by reviewing the operational dispatches and settlement invoices.

3. What is out of scope for this test scenario?

There are no out of scope steps in the execution of this test scenario.

4. Impacted Participation Types

This test scenario is recommended for the following participation types:

- Dispatchable Generators,

- Dispatchable Loads
- Dispatchable Electricity Storage Participants as a Load and as a Generator and,
- Intertie Traders

5. Key Dates for Market Participants

This scenario will be simulated under Week 2 of the End-to-End Testing Phase:

- This scenario will be simulated for trade date **January 28, 2025**.
- Market Participants will notice the impact of this test scenario on the preliminary settlement statements and data files that are generated 6 business days after the trade date, and final settlement statements and data files that are generated 5 business days after the preliminary statement is issued.
- Market Participants will notice the impact of this test scenario on the preliminary settlement statements and data files that are generated on **February 5, 2025**, and final settlement statements and data files that are generated on **February 12, 2025** for the **January 28, 2025** trade date.
- Market Participants can provide alternative measurement data from **February 6, 2025 to February 7, 2025** for this test scenario.

6. Test Case(s) under Test Scenario 13

Prerequisites:

1. Valid login credentials for EMI/MIM, Online IESO, IESO Confidential Sandbox Reports site, and Dispatch Services
2. Market Participant (MP) to provide IESO the below details a day prior to the OR Activation request:
 - Resource name
 - Hour of activation (note: activation will last at least 15 minutes)
 - *Note* the IESO cannot guarantee the activation of specific MW amounts due to the co-optimization and scheduling of operating reserve
3. Real-Time Energy Market data for the corresponding market participant, delivery date, resource, and hour are present in the system
4. Daily Dispatch Data (DDD) data is present in the system (if the corresponding RTEM submission resource type is one of the following: Non-Quick Start (NQS) Other, Combustion Turbine (CT) Pseudo-Unit (PSU), Steam Turbine (ST) PSU, CT Non-PSU, ST Non-PSU)

Test Case S13-TC01 | All eligible resources scheduled for Operating Reserve (OR) are able to test OR activation and its impact on settlements in the Real-Time Market (RTEM)

Test Step #	Test Step Description	Test Step Expected Result
1	Market Participant submits economic Operating Reserve dispatch data in EMI/MIM during the RT_INITIAL window.	EMI/MIM submission is processed successfully.
2	Market Participant receives notification to approve/reject OR Activated schedule in Dispatch Services. Market Participant should approve the OR Activated schedule.	Market Participant approval is processed successfully
Note: Market participants should notify the IESO of any changes to the original ORA time window in case the requested time was not achieved through scheduling.		

Test Step #	Test Step Description	Test Step Expected Result
3	In the IESO Confidential Sandbox Reports Site, Market Participant is able to download the preliminary and final settlement statements along with the data files for the affected trade date of this test case.	Market Participant is able to download the preliminary and final settlement statements and associated data files from the IESO Confidential Sandbox Reports Site.
4	Review statements for applicable charges and calculations	Market Participant to verify that only applicable charges/payments are present in the settlement statements.
5	Review statements for non-applicable charges and calculations	Market Participant to verify that all non-applicable charges/payments should not be present in the settlement statements.
6	Market Participant to review statements for calculation accuracy	Market Participant is able to verify that the charges/payments are accurately calculated.



Additional Resources

- [Market Rules Chapter 0.7 | System Operations and Physical Markets](#)
- [MM 0.4.3- RT Scheduling of the Physical Markets](#)

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