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# End-to-End Testing: Test Scenario 2 – Day-Ahead Market (DAM) Failure

Version 1.0

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# 1. Introduction

This document provides an overview of **Test Scenario 2: DAM Failure** 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.4.3 and Market Manual Part 0.4.2 s4.4,
- 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 of a day-ahead market failure on their settlement statements and operational reports for the trade date of February 4, 2025 of the End-to-End Testing Phase.

Market Participants are expected to submit dispatch data for their resources manually through email (specifically allowed for this scenario only), in the day-ahead market submission window on February 3, 2025. On the same day, the IESO will manually trigger a failure in the day-ahead market. In the absence of a Sandbox IESO website, MRP Contacts and qTest users will receive a notification via email to inform them of a failure on the day-ahead calculation engine. The email will note that:

- no day-ahead schedules or prices will be produced; and
- no day-ahead operational commitments will be produced.

The pre-dispatch calculation engine will continue to run starting at 20:00 EST on February 3, 2025. Market Participants can continue to submit or update their dispatch data to be evaluated by the pre-dispatch calculation engine and real-time calculation engine run on February 4, 2025.

As part of this test execution, Market Participants will verify that results are not reflected in the day-ahead reports that are generated on February 3, 2025, and that the settlement statement for the February 4, 2025 dispatch day will reflect that Market Participants will be settled solely based on their participation in the real-time market.

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

The following items are out scope in the execution of this test scenario:

- Testing of DAM failure notifications under the Market Advisory section of the IESO website,
- Manual reliability assessments and issuance of reliability commitments for February 4, 2025.

## 4. Impacted Participation Types

This test scenario is recommended for the following participation types:

- Dispatchable and Non-Dispatchable Generators,
- Dispatchable and Non-Dispatchable Loads,
- Dispatchable Electricity Storage Participants as a Load and as a Generator,
- Intertie Traders,
- Virtual Traders,
- Price Responsive Loads (PRLs),
- Capacity Market Participants, and
- Local Distribution Companies (LDCs).

## 5. Key Dates for Market Participants

This scenario will be simulated under Week 3 of the End-to-End Testing Phase:

- This scenario will be simulated on **February 3, 2025** to **February 4, 2025**.
- Market Participants will notice the impacts of this test scenario on the preliminary settlement statements and data files that are generated on **February 12, 2025**, and final settlement statements and data files that are generated on **February 20, 2025** for the **February 4, 2025** trade date.

## 6. Test Case(s) under Test Scenario 2

### Prerequisites:

1. Valid login credentials for EMI/MIM, Online IESO, IESO Confidential Reports site
2. If the Real-Time Energy Market dispatch data is submitted by the following resource types: Non-Quick Starts (NQS), Combustion Turbine Pseudo-Units (PSU), Steam Turbine PSUs, Combustion Turbine Non-PSUs, and Steam Turbine Non-PSUs; then the daily dispatch data for the corresponding participant, delivery date, and resource or associated physical resource must already be present in the Market Information Management system.

### Test Case S2-TC01 | Day-Ahead Market Failure

Test Step #	Test Step Description	Test Step Expected Result
1	Submit an RTEM dispatch data xml file through email during the RT_INITIAL window.	The Dispatch data xml file submission is successful.
2	After 13:30 EPT, navigate to the following path on the IESO Confidential Sandbox Reports site: Your Files > private > DAXxxx (DAM Related Folders) > {MP_Name}	The <b>DAM Related Reports</b> are not published.
3	After the 20:00EST Predispatch (PD) run, navigate to the following path on the IESO Confidential Sandbox Reports site: Your Files > private > PDxxxx (PD Related Folders) > {MP_Name}	The Predispatch Reports are published for the trade date where the DAM is cancelled.
4	Post After the Realtime (RT) run of the relevant hour, navigate to the following path on the IESO Confidential Sandbox Reports site: Your Files > private > xxxRealTimexxxx (RT Related Folders) > {MP_Name}	The Realtime Reports are published for the trade date where the DAM is cancelled.
5	In the IESO Confidential Sandbox Reports Site, download the preliminary and final settlement statements along with the data files for the affected trade date of this test case.	The Market Participant (MP) is able to download the preliminary and final settlement statements and associated data files from the IESO Confidential Sandbox Reports Site.

Test Step #	Test Step Description	Test Step Expected Result
6	Review settlement statements for applicable charges and calculations.	Only applicable charges/payments are present in the settlement statements. Note: Specifically, For LDC and Non-dispatchable load, the Load Forecast deviation adjustment (LFDA) is null for all hours of the trade date and Non-dispatchable Load Energy Settlement Amount (Charge code 1115) is settled based on RT LMP.
7	Review settlement statements for non-applicable charges and calculations.	Non-applicable charges/payments should not be present in the settlement statements.
8	Review settlement statements for calculation accuracy.	Charges/payments are calculated accurately.



## Additional Resources

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

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