

FEBRUARY 18, 2025

Market Renewal Program (MRP): End-to-End Testing Q&A Session #2 with Market Participants

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Agenda

- Objective of the Q&A Session
- Status update on outstanding common issues that were presented during the Q&A Session #1
- Common issues reported during Weeks 3 and 4 of End-to-End Testing
- Week 5 and 6 Test Scenarios
- Additional Resources for End-to-End Testing
- Q&A Session
- Next Steps

Objectives of the Q&A Sessions

- To review the status and resolution of issues that have been reported during End-to-End Testing
- To address common questions participants are raising
- To provide participants the opportunity to ask general questions they may have about MRP testing

Execution Status

A test scenario's execution status is considered **Passed** when:

- all test cases within that test scenario have been successfully executed by at least one market participant

Overall Status

A test scenario's overall status is considered **In Progress** when:

- 1 or more issues are under investigation,
- 1 or more issues are pending a retest by 1 or more market participants, or
- participants are waiting on their settlement statements (preliminary settlement statements are issued 6 business days after the trade date in end-to-end testing).

A test scenario's overall status is considered **Complete** when:

- the execution status is marked "passed," and
- no issues continue to be investigated or is pending a retest by a market participant.

Status of Test Scenarios as of Feb 10, 2025

| Test Scenario No. | Execution Status | Overall Status | Notes |
|---|------------------|----------------|---|
| TS01 - Financial Reference Level (FRL) Change Request | Passed | In Progress | <ul style="list-style-type: none">• 9 reported issues have been resolved and are waiting on market participants to retest• 1 issue is pending additional information from the tester |
| TS02 – DAM Failure | | In Progress | <ul style="list-style-type: none">• 3 issues are currently being investigated• 3 reported issues have been resolved and are waiting on market participants to retest• Test is still in progress and is pending market participant analysis of settlement statements |
| TS04 - Notice of Disagreement (NOD) | | In Progress | <ul style="list-style-type: none">• 9 reported issues have been resolved and are waiting on market participants to retest• 1 issue is currently being investigated |

Status of Test Scenarios as of Feb 10, 2025 (cont.)

| Test Scenario No. | Execution Status | Overall Status | Notes |
|--|------------------|----------------|---|
| TS05 - Make-Whole Payment (MWP) | | In Progress | <ul style="list-style-type: none">1 issue is currently being investigatedTest is still in progress and is pending market participant analysis of settlement statements |
| TS07 - Market Power Mitigation (MPM) | | In Progress | <ul style="list-style-type: none">1 issue is currently being investigatedTest is still in progress and is pending market participant analysis of settlement statements |
| TS09 - Fuel Cost Compensation Form | Passed | In Progress | <ul style="list-style-type: none">2 reported issues have been resolved and are waiting on market participants to retest |
| TS11 - 1-Day Advance Approval Outage | Passed | Complete | <ul style="list-style-type: none">No issues were identified |
| TS12 - Hourly Demand Response (HDR) Activation | | In Progress | <ul style="list-style-type: none">1 issue is currently being investigated |

Status of Test Scenarios as of Feb 10, 2025 (cont.)

| Test Scenario No. | Execution Status | Overall Status | Notes |
|---|------------------|----------------|--|
| TS13 - Operating Reserve (OR) Activation | | In Progress | <ul style="list-style-type: none"> 1 reported issue has been resolved and is waiting on the market participant to retest Test is still in progress and is pending market participant analysis of settlement statements |
| TS16 – GOG Commitment Terminated by the IESO | | In Progress | <ul style="list-style-type: none"> Test is still in progress and is pending market participant analysis of settlement statements |
| TS17 - GOG Commitment Advancement and Extensions | | In Progress | <ul style="list-style-type: none"> 1/2 test cases was successfully completed by one participant Test is still in progress and is pending market participant analysis of settlement statements |
| TS18 - GOG Commitment withdrawn by MP with more than 4 hours advance notice | | In Progress | <ul style="list-style-type: none"> 1 reported issue has been resolved and is waiting on the market participant to retest Test is still in progress and is pending market participant analysis of settlement statements |

Status of Test Scenarios as of Feb 10, 2025 (cont.)

| Test Scenario No. | Execution Status | Overall Status | Notes |
|---|------------------|----------------|--|
| TS19 - GOG Commitment withdrawn by MP with less than 4 hours advance notice | | In Progress | <ul style="list-style-type: none">• Test is still in progress and is pending market participant analysis of settlement statements |
| TS21 - SEAL Constraint | Passed | In Progress | <ul style="list-style-type: none">• No issues were identified• At least 1 participant has successfully passed the test case under this scenario• Several market participants are currently analyzing their settlement statements |
| TS22 - MPM Global Threshold | | In Progress | <ul style="list-style-type: none">• 1 issue is currently being investigated• Test is still in progress and is pending market participant analysis of settlement statements |

Current Status of Potential Issues in End-to-End Testing

| Issue Status | Number of Issues |
|---|------------------|
| New | 10 |
| Being Investigated by the IESO | 40 |
| Ready to be Re-tested by the Market Participant | 64 |
| Waiting on additional information from the Market Participant | 10 |
| Closed | 56 |
| Cancelled | 1 |
| Total Number of Issues (as of Feb 10, 2025) | 181 |

The types of issues being reported include (but are not limited to):

- system issues that are corrected by the IESO and/or its application vendors,
- clarifying questions on the process or market rules in effect,
- updates required to the IESO's training documentation and supporting materials for testing,
- updates to the test scenario documents or test steps
- access-related issues for user and/or API accounts, and
- current system issues/enhancements that are out of scope for testing under MRP.

IESO's Classification for Submitted Issues

| Priority | Description |
|----------|--|
| Critical | The defect will result in the failure of IESO's software system and will prevent the IESO from executing the applicable business process. The defect must be resolved prior to MRP Go-Live. |
| High | The defect will result in the failure of a functional component of IESO's software system and no workarounds exist. A workaround needs to be developed that will have a material impact on the IESO's business process(es). The defect should be resolved prior to MRP Go-Live. |
| Medium | The defect will result in the failure of a functional component of IESO system(s). However, a workaround exists that will yield a desired result, and it does not have a material impact on the IESO's business process(es). The IESO will target to resolve the defect prior to MRP Go-Live. If this target cannot be achieved, the IESO will communicate to Market Participants if and/or when the defect will be resolved in a future deployment. |
| Low | The defect <u>does</u> not result in the failure of a functional component and does not affect the execution of IESO's business process. The IESO will communicate to Market Participants if the defect will be resolved in a future deployment or rationale on why the defect will not be resolved. |



Status update on outstanding common issues reported during Q&A Session #1



Test Scenario 12 – Hourly Demand Response – HDR Activation

Common Issues Reported for Test Scenario 12


| Reported Issue | IESO Priority Ranking | Issue status |
|---|-----------------------|---|
| Charge Type CT1103 is not being seen in the settlement statements for HDR resources | High | <ul style="list-style-type: none">This issue is currently being investigated by the IESO. The IESO will communicate to Market Participants once it has been resolved. |



Test Scenario 21 – SEAL Constraint

Common Issues Reported for Test Scenario 21

| Reported Issue | IESO Priority Ranking | Issue status |
|--|-----------------------|---|
| Obligation data is missing for wind assets in Dispatch Service | High | <ul style="list-style-type: none">This has been fixed, Market Participants who reported this issue have been informed via qTest to re-test. |



Other Issues Reported during Week 1 and 2 of End-to-End Testing

Other Issues Reported during Weeks 1 and 2 of End-to-End Testing


| Reported Issue | IESO Priority Ranking | Issue status |
|---|-----------------------|--|
| Pre-dispatch and some Real-Time Reports were not being published | High | <ul style="list-style-type: none">The IESO has fixed many of the remaining issues and has resumed publication of Pre-Dispatch and Real-Time reports for most hours of the day.The IESO is working to resolve the one remaining issue for over-midnight reporting in the Predispatch Intertie and GOG Extensions Report in HE 22 (10pm publication). |
| No data is being published in the <i>Ontario Real-Time 5-Minute Zonal Demand Report</i> | High | <ul style="list-style-type: none">This issue is currently being investigated. The IESO will communicate to Market Participants once it has been resolved. |

Other Issues Reported during Weeks 1 and 2 of End-to-End Testing

| Reported Issue | IESO Priority Ranking | Issue status |
|---|-----------------------|---|
| Switching to another browser tab results in a successful Auto Accept in Dispatch Service for about 5 to 10 minutes before it starts to fail | High | <ul style="list-style-type: none">This has been fixed, Market Participants who reported this issue have been informed via qTest to re-test. |
| "NA" is appearing in the MGBDT column in the <i>Predispatch GOG Eligible Inferred State Report</i> | Medium | <ul style="list-style-type: none">This has been fixed, Market Participants are now able to see submitted MGBDT values in the <i>Predispatch GOG Eligible Inferred State Report</i>. |

Other Issues Reported during Weeks 1 and 2 of End-to-End Testing

| Reported Issue | IESO Priority Ranking | Issue status |
|---|-----------------------|--|
| The XML sample file and XSD schema file for <i>Day-Ahead Market Reference Quantity Values Report</i> requires an update | Medium | <ul style="list-style-type: none">The updated XML sample file and the XSD schema file have been posted on the Technical Reference Materials page. |
| Unable to view the User Guide on the MPM Dashboard | Low | <ul style="list-style-type: none">The links to the user guide and workbooks from the MPM Dashboard have been removed from both the Sandbox and Production environment. |



Common issues reported during Weeks 3 and 4 of End-to-End Testing



Scenario 1 – Financial Reference Level (FRL) Change Request

Common Issues Reported for Test Scenario 1

| Reported Issue | IESO Priority Ranking | Issue status |
|--|-----------------------|--|
| When Market Participants submit the Service Price adder or Alternate Fuel Cost prices, it specifies CAD but it does not specify the unit of measurement. | Low | <ul style="list-style-type: none">• The unit of measurement for the Fuel Cost is MMBTu and the unit of measurement for the Service Price adder is GJ.• The IESO is working on the enhancement and will inform Market Participants when this has been completed.• The Quick Take: How to Submit Temporary Reference Level Change Requests for End-to-End Testing will be updated with this enhancement. |



Scenario 4 – Notice of Disagreement (NOD)

Common Issues Reported for Test Scenario 4

| Reported Issue | IESO Priority Ranking | Issue status |
|---|-----------------------|---|
| Unable to view the settlement statement when the January 20 th trade date is selected | High | <ul style="list-style-type: none">This has been fixed, Market Participants who reported this issue have been informed via qTest to re-test. |
| Unable to locate the "Submit" button to submit the NOD | High | <ul style="list-style-type: none">This has been fixed, Market Participants who reported this issue have been informed via qTest to re-test. |
| The following error message: "Error Evaluating UI Expression" is seen when selecting MRP Charge Types in the Settlement Statement for the NOD | Medium | <ul style="list-style-type: none">This has been fixed, Market Participants who reported this issue have been informed via qTest to re-test. |
| Unable to locate the link to Submit Settlement claim under the Actions tab in Online IESO | Medium | <ul style="list-style-type: none">This has been fixed, Market Participants who reported this issue have been informed via qTest to re-test. |



Other Issues Reported during Week 3 and 4 of End-to-End Testing

Scenarios requiring IESO-Market Participant Communication

- Market Participants are reminded that they may be required to submit information to the IESO via email for specific test scenarios.
- Please refer to Appendix 6 in the [Market Renewal Program \(MRP\): End-to-End Testing Test Plan \(External\)](#) for a list of test scenarios that will require Market Participants to communicate details via email, the type of information the IESO will require from Market Participants, and timelines on when the information should be submitted.

High System Demand in the Sandbox Environment

- The IESO changed the base conditions in the Sandbox Environment to high system demand to facilitate test scenarios for Weeks 4 and 5.
- The changes required to update the conditions took place starting on **February 5 at 20:00 EST** through **February 10 at 24:00 EST**.
- Market Participants will be able to access the applications and receive operational reports and settlements but Market Participants may notice missing or unrealistic data for the February 5 to 10 trade dates.
- The February 10 DAM continued to run for the February 11 trade date.
- Market Participants are not required to submit data issues they identify in their reports and/or settlements during this time frame.

Day-Ahead Market (DAM) Failure in the Sandbox Environment

- As per [Test Scenario 2: DAM Failure](#), the DAM failed for the trade date of February 4, 2025. No DAM results were published for February 4, 2025. The DAM engine resumed for the trade date of February 5, 2025.
- In response to stakeholder feedback, the IESO will be failing the DAM on **February 20, 2025**. No DAM results will be published for the trade date of **February 21, 2025**. The DAM engine will resume for the trade date of **February 22, 2025**.
- The IESO will continue to communicate to Market Participants via email if there are planned or unscheduled DAM failures during End-to-End Testing.

Settlement Statements Update for End-to-End Testing

- The IESO has resolved the issues that were identified with the settlement statements that were published for the January 20 and 21, 2025 trade dates.
- The IESO has published version 2 of the preliminary settlement statements for January 20 and 21 trade dates and Version 1 of the preliminary settlement statements for trade dates January 22, 2025 to January 26, 2025.
- Market Participants can review their settlement statements from the IESO Confidential Sandbox Reports site.

Settlement Statements Update for End-to-End Testing (cont.)

- The IESO has resolved the issue with reference levels for settlement mitigation that were not accounted for in the calculation of settlement charges.
- Going forward, reference level for settlement mitigation will be included in the applicable settlement charges and Preliminary Settlement Statements.

Settlement Statements Update for End-to-End Testing (cont.)

- The Final Settlement Statements (FSS) for trade dates January 31 - February 6 will include reference levels used for settlement mitigation.
- Corrections to the settlement statements for trade dates January 20 - January 30 will be included in the Resettlement Statement on March 14.

Updating Measurement Data for End-to-End Testing

- Market Participants may submit measurement data for current and/or future trade dates.
- Each measurement data file may contain one or more trade dates.
- If multiple files are provided for the same trade date, the file with the latest timestamp will be used to calculate all applicable settlement charges.
- Measurement data submission that is received from Market Participants on or before 2:00 PM EPT for a specified trade date will be applied to the most recent applicable settlement statement that is scheduled for posting the next day.

Updating Measurement Data for End-to-End Testing (continued)

- Submissions received after 2:00 PM EPT will automatically apply to the next settlement statement applicable to the trade date.
- All measurement data will be adjusted by the IESO after preliminary to produce adjusted transaction line items on the final settlement statements.
- If Market Participants do not wish to see changes to their measurement data, a resubmission of the original preliminary measurement data is required by 2:00 EPT one day prior to the final settlement statement being posted.

Other Issues Reported during Week 3 and 4

| Reported Issue | IESO Priority Ranking | Issue status |
|--|-----------------------|---|
| Market Participants did not receive the associated <i>Day-Ahead Schedule Report</i> when the <i>Day-Ahead Commitments Report</i> was published on February 5, 2025 | High | <ul style="list-style-type: none">The IESO has resolved the issue on Feb 11, 2025. It is ready to retest by the Market Participant. |
| The <i>Day-Ahead Schedule Report</i> do not show the mitigation values in the report. | High | <ul style="list-style-type: none">This issue is currently being investigated by the application vendor. The IESO will communicate to Market Participants once it has been resolved. |

Other Issues Reported during Week 3 and 4

| Reported Issue | IESO Priority Ranking | Issue status |
|---|-----------------------|--|
| The <i>Day-Ahead Market Dynamic Constrained Areas Report</i> have not been published since January 24, 2025 | High | <ul style="list-style-type: none">The IESO is currently investigating this issue and will communicate to Market Participants when this has been fixed. |
| A Market Participant's resource is missing from the <i>Predispatch Daily Energy Limit (DEL) Report</i> | High | <ul style="list-style-type: none">The IESO has resolved the issue on Feb 12, 2025. It is ready to retest by the Market Participant |
| The amount of energy being reported during ramping hours on the <i>Day-Ahead Schedule Report</i> does not match with what the Market Participants submitted | High | <ul style="list-style-type: none">The IESO is currently investigating this issue with the application vendor and will communicate to Market Participants when this has been fixed. |

Other Issues Reported during Week 3 and 4

| Reported Issue | IESO Priority Ranking | Issue status |
|---|-----------------------|---|
| <i>Day-Ahead Commitments Report</i> not being published for Market Participants on various dates | High | <ul style="list-style-type: none">• The IESO has resolved the system issue on Jan 27, 2025.• The IESO is currently investigating specific cases identified after that resolution date.• Please note: This report is only published when DA Commitments are made for resources at the Organization. |
| <i>Day-Ahead Market Operating Reserve Offer Report</i> not being published for Market Participants for certain hours on various dates | High | <ul style="list-style-type: none">• The IESO has resolved the system issue on Jan 30, 2025.• The IESO is currently investigating specific cases identified after that resolution date.• Please note: This report is only published when DA OR Offers are made for resources at the Organization within that hour. |

Other Issues Reported during Week 3 and 4

| Reported Issue | IESO Priority Ranking | Issue status |
|--|-----------------------|---|
| <i>Predispatch Schedules Report</i> and <i>Predispatch Intertie Transactions Schedule</i> and <i>GOG Eligible Extensions Report</i> are not being published for Market Participants for certain hours on various dates | High | <ul style="list-style-type: none">• The IESO has resolved the system issue on Feb 11, 2025.• The IESO is currently investigating one open issue regarding the over-midnight <i>Predispatch Intertie Transactions Schedule</i> and <i>GOG Eligible Extensions Report</i>.• Please note: This report is only published when applicable PD Schedules exist for resources at the Organization within that hour. |
| <i>Realtime Energy LMP Report</i> are not being published for certain hours on various dates | High | <ul style="list-style-type: none">• The prices were not calculated during the identified hours so no report was created. Similarly, there will be no settlement for these hours: Jan 27 HE16-24 and Jan 28th HE1-8 |

Other Issues Reported during Week 3 and 4

| Reported Issue | IESO Priority Ranking | Issue status |
|--|-----------------------|--|
| <i>Realtime Energy and Operating Reserve Dispatch</i> not being published for Market Participants for certain hours on various dates | High | <ul style="list-style-type: none">• The IESO has resolved the system issue on Feb 6, 2025.• The IESO is currently investigating specific cases identified after that resolution date.• Please note: This report is only published when RT Energy and OR dispatches exist for resources at the Organization within that hour. |
| The Adequacy Report is incorrectly displaying “normal” demand where it should be “high” demand. | High | <ul style="list-style-type: none">• The IESO has resolved the system issue on Feb 13, 2025. |
| <i>Realtime Intertie Energy LMP Report</i> are not being published for certain hours on various dates | High | <ul style="list-style-type: none">• The IESO is currently investigating this issue and will communicate to Market Participants when this has been fixed. |

Other Issues Reported during Week 3 and 4

| Reported Issue | IESO Priority Ranking | Issue status |
|--|-----------------------|--|
| It takes Market Participants a long time to download files in the Sandbox IESO Confidential site | Medium | <ul style="list-style-type: none">The IESO is currently investigating this issue and will communicate to Market Participants when this has been fixed. |
| There is a discrepancy on the amount of energy Market Participants offered for their resources as opposed to what is reported on the <i>Predispatch Schedules Report</i> | Medium | <ul style="list-style-type: none">The IESO is currently investigating this issue and will communicate to Market Participants when this has been fixed. |

Weeks 5 and 6 Test Scenarios

| Week 5 (High System Demand) | February 17, 2025 | February 18, 2025 | February 19, 2025 | February 20, 2025 | February 21, 2025 |
|--------------------------------|---|---|-------------------|-------------------|-------------------|
| | Family Day (Stat Holiday) | S17-GOG Commitment Advancements and Extensions | | | |
| | | S1-Financial Reference Level (FRL) Change Request | | | |
| | | S9 - Fuel Cost Compensation Form | | | |
| | | S4-Notice of Disagreement (NOD) | | | |
| | | S14-OR Shortfall | | | |
| | | S20-GOG Commitment Performance Failure | | | |
| | | S24-OR Clawback | | | |
| | | S2 - DAM Failure | | | |
| | | S25-Charge Type 144/145 | | | |
| Week 6 (Low System Demand) | February 24, 2025 | February 25, 2025 | February 26, 2025 | February 27, 2025 | February 28, 2025 |
| | S17-GOG Commitment Advancements and Extensions | | | | |
| | S1-Financial Reference Level (FRL) Change Request | | | | |
| | S9 - Fuel Cost Compensation Form | | | | |
| | S4-Notice of Disagreement (NOD) | | | | |
| | S23-Major Outage -EW Tie Binding | | | | |
| | S8-Intertie Curtailment | | | | |
| | S26-Capacity Flag - Export/Import | | | | |

Additional Resources for End-to-End Testing

- [Key Calendar Dates for End-to-End Testing](#)
- [Frequently Asked Questions \(FAQs\) for End-to-End Testing](#)



Q&A Session

Next Steps

- Subsequent Q&A sessions will be scheduled on March 4, 2025, and March 18, 2025.
- Emails will be sent in advance from the IESO Market Renewal mailbox notifying when Market Participants can register for the Q&A sessions.
- This presentation deck will be published on the [Market Participant Testing](#) page at the end of each Q&A meeting.
- Market Participants are reminded to submit their test results and defects using qTest or the Issue Log Templates.
- Contact IESO Customer Relations if you have any questions that are specific to your organization and resources.

Thank You

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