

FEBRUARY 4, 2025

Market Renewal Program (MRP): End-to-End Testing Q&A Session #1 with Market Participants

Cynthia Sidalak

Senior Advisor, Market Participant Readiness

Agenda

- Objective of the Q&A Session
- Common Issues reported during Week 1 and 2 of End-to-End Testing
- Settlement Statements update for End-to-End Testing
- Week 3 and 4 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

Current Status of Week 1 Test Scenario

MRP End-to-End Testing Week No. 1		
Test Scenario No.	Overall Status	Notes
TS01 - Financial Reference Level (FRL) Change Request	In Progress	An issue was identified under TC-03, a fix has been deployed and awaiting MP to re-test.
TS09 - Fuel Cost Compensation Form	Passed	
TS11 - 1-Day Advance Approval Outage	Passed	
TS17 - GOG Commitment Advancement and Extensions	In Progress	Pending the publication of settlement statements
TS21 - SEAL Constraint	Passed	

A test scenario is considered “Passed” when each of the test cases within that test scenario have been successfully executed by at least one Market Participant organization.

Current Status of Week 2 Test Scenarios

MRP End-to-End Testing Week No. 2		
Test Scenario No.	Overall Status	
TS01 - Financial Reference Level (FRL) Change Request	In Progress	An issue was identified under TC-03, a fix has been deployed and awaiting MP to re-test.
TS04 - Notice of Disagreement (NOD)	Passed	
TS09 - Fuel Cost Compensation Form	Passed	
TS12 - Hourly Demand Response (HDR) Activation	Passed	
TS13 - Operating Reserve (OR) Activation	In Progress	Pending the publication of settlement statements
TS17 - GOG Commitment Advancement and Extensions	In Progress	Pending the publication of settlement statements
TS18 - GOG Commitment withdrawn by MP with more than 4 hours advance notice	In Progress	Pending the publication of settlement statements
TS19 - GOG Commitment withdrawn by MP with less than 4 hours advance notice	In Progress	Pending the publication of settlement statements

A test scenario is considered “Passed” when each of the test cases within that test scenario have been successfully executed by at least one Market Participant organization.

Current Status of Issues Reported during Week 1&2 of End-to-End Testing

Number of Issues Reported during Testing Week No. 1

Issue Status	Number of Issues
Being Investigated by the IESO	7
Ready to be Re-tested by the Market Participant	12
Waiting on additional information from the Market Participant	1
Closed	23
Total Number of Issues Reported during Test Week No. 1	43

MRP End-to-End Testing Week No. 2

Issue Status	Number of Issues
Being Investigated by the IESO	10
Ready to be Re-tested by the Market Participant	15
Waiting on additional information from the Market Participant	2
Closed	7
Total Number of Issues Reported during Test Week No. 2	34

The number of issues being reported includes potential issues submitted by Market Participants, system issues, and documentation issues.

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.



Test Scenario 1 – Financial Reference Level (FRL) Change Request

Common Issues Reported for Test Scenario 1

Reported Issue	IESO Priority Ranking	Issue status
Unable to submit Fuel Cost Change Request for resources as the dispatch day selection window does not appear and returns to the MPM main page indicating that the Action has been completed.	Critical	<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 <i>Day-Ahead Market Financial Reference Level and Real-Time Market Financial Reference Level</i> ad-hoc reports have an inconsistent view in newer version that are published	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.



Test Scenario 11 – 1-Day Advance Approval Outage

Test Scenario 11 Update

- Under Appendix 1 of the [Market Renewal Program \(MRP\): End-to-End Testing Test Plan \(External\)](#), Market Participants were scheduled to conduct testing for Test Scenario 11 from January 20, 2025 to January 21, 2025.
- On Tuesday, January 21, the IESO communicated to Market Participants that the timeline for Market Participants to execute Test Scenario 11 was extended until **January 22, 2025** due to delays that affected Market Participants' ability to execute this scenario.

General Observation regarding Test Scenario 11

- Market Participants are not submitting their outages as per the updated timelines for the 1-day advance approval process
- Market Participants are to submit their outages by **10:00 EST two business days before the start date of the outage.**
 - For example, if an outage is starting on Saturday, Sunday, or a Monday, Market Participants need to submit the outage slip by Thursday at 10:00 EST.
- For more information, please refer to Market Manual 7.3, Section 3.7.5.

Common Issues Reported for Test Scenario 11

Reported Issue	IESO Priority Ranking	Issue status
The wrong IESO assessment deadline was noted in the Outage Coordination and Scheduling System (OCSS)	Low	<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 new IESO assessment deadline for the 1-Day Advance Approval outage is at 08:00 EST one business day before the start date of the outage.<ul style="list-style-type: none">For example, if an outage is starting on Saturday, Sunday, or a Monday, the IESO will assess outage slips on the Friday by 08:00 EST.



Test Scenario 12 – Hourly Demand Response – HDR Activation

Test Scenario 12 Update

- Under Appendix 1 of the [Market Renewal Program \(MRP\): End-to-End Testing Test Plan \(External\)](#), Market Participants were able to conduct testing for Test Scenario 12 from January 27, 2025 to January 28, 2025.
- On Tuesday, January 28, the IESO communicated to Market Participants that the timeline for Market Participants to execute Test Scenario 12 was extended until **January 29, 2025** due to an issue that affected reports related to this scenario.

Common Issues Reported for Test Scenario 12

Reported Issue	IESO Priority Ranking	Issue status
Market Participants were not receiving their Activation notices for their submitted HDR offers as they were unable to view the DR-Activation report	Critical	<ul style="list-style-type: none">Market Participants are now able to view the DR-Activation Report and their Activation notices.



Test Scenario 17 – GOG Commitment Advancements and Extensions

Common Issues Reported for Test Scenario 17

Reported Issue	IESO Priority Ranking	Issue status
Market Participants are not receiving the <i>Day-Ahead Commitments Report</i>	High	<ul style="list-style-type: none">This issue has been fixed. Market Participants who reported this issue have been informed via qTest that they can re-test.



Test Scenario 21 – SEAL Constraint

General Observation regarding Test Scenario 21

- Dispatches reflecting minimum SEAL constraints were not being sent to Market Participants' resources
- Market Participants should offer in such a manner that their requested SEAL constraint would be binding in order to receive a dispatch that reflects the constraint. For example, a MIN SEAL constraint to 50% output would only produce a change in dispatch for a resource economically scheduled to <50% output.

Common Issues Reported for Test Scenario 21

Reported Issue	IESO Priority Ranking	Issue status
Variable Generators do not receive a dispatch when submitting their energy offer RTEM dispatch data through EMI or MIM after the day-ahead market restricted window	Critical	<ul style="list-style-type: none">Variable Generators were not receiving the correct forecast values to set their high operating limits in the real-time calculation engine.A fix has been deployed into the Sandbox environment. Market Participants can now re-test.
Obligation data is missing for wind assets in Dispatch Service	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.



Settlement Statements Update for End-to-End Testing

Settlement Statements Update for End-to-End Testing

- The IESO identified issues with the settlement statements that were published for the January 20th and January 21st trade dates.
- On January 30, 2025, the IESO communicated to Market Participants that **settlement statements will not be published starting on January 30, 2025**
- The IESO is working to resolve these issues and will notify Market Participants when statements become available and are ready to be tested in the Sandbox environment

Settlement Statements Update for End-to-End Testing

- On January 29, 2025, the IESO communicated to Market Participants that due to an internal system issue, the reference levels for settlement mitigation will not be applied to the settlement charges. This issue is currently being investigated. The IESO will notify participants when it has been corrected and the settlement statements that will show the correction.
- This is an ongoing issue that is not expected to be resolved when the Final Settlement Statement (FSS) is issued for the impacted trade dates and will impact additional trade dates beyond Jan 24th
- The IESO is currently investigating the issue and will notify Market Participants once the issue has been resolved.



Other Issues Reported during End-to-End Testing

Communicating Priority of the Issue to the IESO

- It has been observed that Market Participants are using the “Priority” drop-down menu in qTest to communicate the priority of their submitted defect to the IESO
- The IESO uses the “Priority” drop-down menu to assign its own priority based on its assessed risk and impact to the IESO systems and business processes.
- Refer to Slide 4 for the IESO’s classification of defect priorities and their descriptions.
- If Market Participants wish to communicate their priority of their submitted defect, Market Participants can use the “Severity” drop-down menu in qTest.

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

- There has been two instances where the DAM did not publish results:
 1. For the January 20, 2025 trade date
 - This was a planned DAM failure as this was the first day of End-to-End Testing.
 2. For the January 24, 2025 trade date
 - The DAM did not run due to an internal IESO system failure.
- No DAM results were published for the above trade dates as per Chapter 7, Sections 4.3.2 and 4.8.1 of the Market Rules.
- The IESO will continue to communicate to Market Participants via email if the DAM fails during End-to-End Testing.

Other Issues Reported during End-to-End Testing

Reported Issue	IESO Priority Ranking	Issue status
A Market Participant reported errors in the <i>Predispatch Intertie Transactions Schedule and GOG Eligible Extensions Report</i>	Critical	<ul style="list-style-type: none">• This issue has been fixed and won't appear in subsequent reports starting on January 23, 2025.• The IESO will not be applying fixes to historical reports, the solution will only be applied to future reports.
Pre-dispatch and some Real-Time Reports were not being published	High	<ul style="list-style-type: none">• This was the result of several upstream tool issues that impacted Pre-Dispatch and Real-Time report data creation and triggering.• The IESO has fixed many of those issues and has resumed publication of Pre-Dispatch and Real-Time reports for most hours of the day.• The IESO will continue to work on resolving the remaining issues impacting our Pre-Dispatch reports in HE 20 to 23.

Other Issues Reported during End-to-End Testing

Reported Issue	IESO Priority Ranking	Issue status
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.
Submitted dispatch data is not reflected in the <i>Day-Ahead Schedule Report</i>	High	<ul style="list-style-type: none">This issue has been fixed and can now view the submitted dispatch data in the <i>Day-Ahead Schedule Report</i> starting on January 27, 2025.
Market Participants are unable to view the <i>Day-Ahead Market Financial Reference Levels Report</i> for trade date January 21, 2025	High	<ul style="list-style-type: none">This issue has been fixed. Market Participants will be able to view the <i>Day-Ahead Market Financial Reference Levels Report</i> starting for trade date January 22, 2025.The IESO will not re-publish the <i>Day-Ahead Financial Reference Levels Report</i> for the January 21, 2025 trade date.

Other Issues Reported during End-to-End Testing

Reported Issue	IESO Priority Ranking	Issue status
The <i>Day-Ahead Market Operating Reserve Offer Report</i> is not being published	High	<ul style="list-style-type: none">• This issue has been fixed and Market Participants can now view the <i>Day-Ahead Market Operating Reserve Offer Report</i> as of January 31, 2025.• The IESO will not be re-publishing historical versions of the <i>Day-Ahead Market Operating Reserve Offer Report</i>.
Some XSD schema files posted on the Technical Reference Materials page list out the incorrect report title name which differs from the report title names in the Sandbox IESO Report site	High	<ul style="list-style-type: none">• The IESO will be working on updating XSD schema files for the following reports:<ul style="list-style-type: none">• Day-Ahead Hourly Zonal Energy Price Report• Real-Time 5-Min Ontario Zonal Energy Price Report• Dispatch Data Report for Realtime Scheduling Processes for Resources• Dispatch Data Report for Real Time Scheduling Processes for Forebays• Dispatch Data Report for Day-Ahead Scheduling Process• Predispatch GOG Eligible Inferred State Report• Day-Ahead Market Financial Reference Level Values• Real-Time Market Financial Reference Level Values• Real-Time Market Reference Quantity Values

Other Issues Reported during 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 issue is currently being investigated. The IESO will communicate to Market Participants once it has been resolved.
"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 issue is currently being investigated by the application vendor. The IESO will communicate to Market Participants once it has been resolved.Market Participants can check or query submitted MGBDT values for their resources using EMI or MIM web services or check the <i>Dispatch Data Report for Realtime Scheduling Processes for Resources</i>.

Other Issues Reported during 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 are targeted to be posted on the Technical Reference Materials page by the end of next week.
Unable to view the User Guide on the MPM Dashboard	Low	<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 3 and 4 Test Scenarios

Week 3 (Normal System Demand)	February 3, 2025	February 4, 2025	February 5, 2025	February 6, 2025	February 7, 2025
	S2 - DAM Failure				
	S1-Financial Reference Level (FRL) Change Request				
	S17-GOG Commitment Advancements and Extensions				
	S9 - Fuel Cost Compensation Form				
	S4-Notice of Disagreement (NOD)				
	S16-GOG Commitment Terminated by the IESO				
		S22-MPM Global Threshold			
	S5-Make-Whole Payment				
S7-MPM					
Week 4 (High System Demand)	February 10, 2025	February 11, 2025	February 12, 2025	February 13, 2025	February 14, 2025
		S17-GOG Commitment Advancements and Extensions			
		S1-Financial Reference Level (FRL) Change Request			
		S9 - Fuel Cost Compensation Form			
		S4-Notice of Disagreement (NOD)			
			S22-MPM Global Threshold		
		S5 - Make-Whole Payment			
		S7 - MPM			

Additional Resources for End-to-End Testing

- Quick Takes:
 - [Update on Constraint Violation Prices in the Pricing Algorithms](#)
 - [How to Submit Temporary Reference Level Change Requests for End-to-End Testing](#)
 - [How to Submit Updated Measurement Data for End-to-End Testing](#)
- [Template to Submit Updated Measurement Data](#)
- [End-to-End Testing: Test Cases based on Participation Type](#)
- [Test Cases for Week 3 and 4](#)
- [Issue Log Template for Week 1 to Week 4 Test Cases](#)



Q&A Session

Next Steps

- Subsequent Q&A sessions will be scheduled on February 18, 2025, 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

ieso.ca

1.888.448.7777

customer.relations@ieso.ca

engagement@ieso.ca



[@IESO Tweets](https://twitter.com/IESO)



linkedin.com/company/IESO