# Pre-Production Connectivity Testing: Energy Market Interface (EMI) User Interface (UI)

February 28, 2025



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### Preface

This document outlines the test cases to be executed as part of the pre-production connectivity test for applications that are impacted by the Market Renewal Program (MRP). The primary objective of this test is to assess and validate the connectivity of systems whose endpoints are changing in the production environment.

Please ensure any anomalies, disruptions, or irregularities discovered while performing the preproduction connectivity test are reported via qTest or the Issue Log Template. This will contribute significantly to the overall improvement of the IESO tools.

#### **Preconditions:**

- 1. Access to <a href="https://gateway.ieso.ca/">https://gateway.ieso.ca/</a>
- 2. Access to the Energy Market Interface (EMI) system in the production environment.

## TC01 - Access EMI UI through Application URL

Step	User Instruction	Expected Result
1	Navigate to the <b>EMI for</b> <b>MRP Production</b> URL using a Microsoft Edge browser: <u>https://emi2.ieso.ca/</u> .	An authentication page should load where the user can enter their login credentials.
	Log in using the same credentials used to authenticate https://gateway.ieso.ca/.	Login   Username   I   I Please enter a username   Password   I member me   Sign In   Need help signing in?

#### **Expected Result**

2 Following a successful login, ensure the webpage is directed to the **EMI** web application.

	5.// Webiogleupps	Lieso.ca/enn/races/enni	viainscreen.jspx				~	~ 2	1 4	L-	ι.	0		*
ieso		Energy Market I	Interface (EMI)	2024	4/10/23 13:33 EST	Prod	USERNAME			Ac	ct as	22	1	1
arket Information	Market Status													
arkets					Market Status									
				Genr	erated : 2024/10/23 13:33:57									
				e-Tar	g ID Mandatory Window: XX:28 - XX:50									
	Defrech	The state		* Past windows are	a greyed out. Current window is highlighted in Yellow.									
	Rerresn	Detach												
	Market Hour	Start of Initial Window	Start of Mandatory Window	Start of Closed Window	4									
	2024/10/23 01	2024/10/22 06:00	2024/10/22 22:00	2024/10/22 23:50										
	2024/10/23 02	2024/10/22 06:00	2024/10/22 23:00	2024/10/23 00:50										
	2024/10/23 03	2024/10/22 00:00	2024/10/23 00:00	2024/10/23 01:50										
	2024/10/23 04	2024/10/22 00:00	2024/10/23 02:00	2024/10/23 02:50										
	2024/10/23 06	2024/10/22 06:00	2024/10/23 03:00	2024/10/23 04:50										
	2024/10/23 07	2024/10/22 06:00	2024/10/23 04:00	2024/10/23 05:50										
	2024/10/23 08	2024/10/22 06:00	2024/10/23 05:00	2024/10/23 06:50										
	2024/10/23 09	2024/10/22 06:00	2024/10/23 06:00	2024/10/23 07:50										
	2024/10/23 10	2024/10/22 06:00	2024/10/23 07:00	2024/10/23 08:50										
	2024/10/23 11	2024/10/22 06:00	2024/10/23 08:00	2024/10/23 09:50										
	2024/10/23 12	2024/10/22 06:00	2024/10/23 09:00	2024/10/23 10:50										
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	2024/10/23 19	2024/10/22 06:00	2024/10/23 16:00	2024/10/23 17:50										
	2024/10/23 20	2024/10/22 06:00	2024/10/23 17:00	2024/10/23 18:50										
	2024/10/23 21	2024/10/22 06:00	2024/10/23 18:00	2024/10/23 19:50										
	2024/10/23 22	2024/10/22 06:00	2024/10/23 19:00	2024/10/23 20:50										
	2024/10/23 23	2024/10/22 06:00	2024/10/23 20:00	2024/10/23 21:50										
	2024/10/23 24	2024/10/22 06:00	2024/10/23 21:00	2024/10/23 22:50										
	2024/10/24 01	2024/10/23 06:00	2024/10/23 22:00	2024/10/23 23:50										
	2024/10/24 02	2024/10/23 06:00	2024/10/25 25:00	2024/10/24 00:50										
	2024/10/24 03	2024/10/23 00:00	2024/10/24 00:00	2024/10/24 01:50										
	2024/10/24 05	2024/10/23 06:00	2024/10/24 02:00	2024/10/24 03:50										
	2024/10/24 06	2024/10/23 06:00	2024/10/24 03:00	2024/10/24 04:50										
	2024/10/24 07	2024/10/23 06:00	2024/10/24 04:00	2024/10/24 05:50										
	2024/10/24 08	2024/10/23 06:00	2024/10/24 05:00	2024/10/24 06:50										
	4 2024/10/24 09	2024/10/23 06:00	2024/10/24 06:00	2024/10/24 07:50										

Following the login, the **EMI** user interface should be loaded.

#### Expected Result

- 3 Verify that the details in the header section are displayed in the following order starting from the left:
  - 1. IESO Logo
  - 2. Title = "Energy Market Interface (EMI)"
  - Login date/time is displayed in the format YYYY/MM/DD HH:MM EST
  - 4. Prod | Participant Username
  - 5. Log out button

The header	r section should be similar to th	ne following:		
< C 🔂 http	ps://weblogicapps2.ieso.ca/emi/faces/emiMainScreen.jspx Energy Market Interface (EMI)	2024/10/23 13:33 EST	Q A <sup>N</sup> ☆ Prod   Username	\$ D
Market Information	Parket Status			

f ⊕ Act as

#### **Expected Result**

4 Validate the options that are displayed on the left panel under Market Information and Markets. The menu should display the following:

#### **Market information**

- Market Status
- Market Message

#### Markets

- Real Time Energy Market (RTEM)
- Operating Reserve (OPRES)
- Schedule (SCH)
- Daily Dispatch Data (DDD)
- Bilateral (BLT)
- Forebay Dispatch Data (FDD)

The left panel should be similar to the following:

lieso		Energy Ma	arket Interface (I	E <b>MI)</b>
Market Information	Market Status			
Market Status				
Market Message				
Markets				
Real Time Energy Market (RTEM)				
Operating Reserve (OPRES)	Refresh	Detach		
Schedule (SCH)		Daily and H	ourly Data	
Daily Dispatch Data (DDD)	Market Hour	Start of Hourly & Daily Initial	Start of Daily Restricted	Start of Daily
Bilateral (BLT)		Window (EPT)	Window (EPT)	Window
Forebay Dispatch Data (FDD)	2024/01/15 01	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 02	2024/01/14 06:00	2024/01/15 13:29	2024/01/
	2024/01/15 03	2024/01/14 06:00	2024/01/14 13:29	2024/01/2
	2024/01/15 04	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 05	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 06	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 07	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 08	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 09	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 10	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 11	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 12	2024/01/14 06:00	2024/01/14 13:29	2024/01/
	2024/01/15 12	2024/01/14 00:00	2024/01/14 12:20	2024/01/

#### **Expected Result**

5 Log out of the EMI UI by clicking the **Logout** button beside the username.

After clicking the **Logout** button, the user will be redirected to the Gateway landing page:





### TC02 - Access EMI UI through IESO's Gateway

Step	User Instruction	Expected Result	
1	Navigate to the IESO's Gateway (Production)	The <b>Energy Market Interface – MRP</b> tile should	be available on the webpage.
	webpage:	2 O My Apps Deshboard   ESO Gate x +	- o ×[
	https://gateway.ieso.ca/ and	← C	A* \shi \D \shi \@ \@ \ 📀
	confirm that the Energy Market Interface – MRP	okta. Q Search your apps	User's name Q IESO Gateway Production
	tile is visible under <b>My Apps</b> .	My Apps Work Add section ③ Motifications Add apps Add apps My Apps $\bigcirc$ Work $\boxed{\bigcirc}$ EMI Energy Market Interface - MRP ③ Add section	Sort * S
		Last sign in: a few seconds ago © 2023 Okta, Inc. Privacy	0 C *

**Expected Result** 

2 Click on the Energy Market Interface – MRP tile. A new window or tab should open with the **EMI user interface**.

Market Information Markets Refret 2024/10 2024/10 2024/10 2024/10 2024/10 2024/10	Image: Start of Initia           23 01         2024/10/2           23 02         2024/10/2           23 03         2024/10/2	Window Start of Mandatory Window 06:00 2024/10/22 22:00	Gen e-Ta * Past windows ar	Market Status erated : 2024/10/23 13:33:57 g ID Mandatory Vindow: X0:28 - XX:50 eraved oit. current window is haphiloited in Yellow.			
Markets 84/red 264/10) 204/10 204/10 204/10 204/10 204/10	Detach           Hour         Start of Initia           23 01         2024/10/2:           23 02         2024/10/2:           23 03         2024/10/2:	Window         Start of Mandatory Window           06:00         2024/10/22 22:00	Gen e-Ta * Past windows ar	Market Status erated : 2024/10/23 13:33:57 Ig ID Mandatory Window: XX:28 - XX:50 re greyed out. Current window is highlighted in Yellow.			
Refrest 264410 264410 264410 264410 264410 264410	Detach           Hour         Start of Initia           23 01         2024/10/22           23 02         2024/10/22           23 03         2024/10/22	Window         Start of Mandatory Window           06:00         2024/1/0/22 22:00	Gen e-Ta * Past windows ar	erated : 2024/10/23 13:33:57 Ig ID Mandatory Window: XX:28 - XX:50 re greved out. Current window is highlighted in Yellow.			
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Refree 82440 2024/0 2024/0 2024/0 2024/0 2024/0 2024/0 2024/0	Detach           Hour         Start of Initia           23 01         2024/10/2:           23 02         2024/10/2:           23 03         2024/10/2:	Window         Start of Mandatory Window           06:00         2024/10/22 22:00	* Past windows a	re greyed out. Current window is highlighted in Yellow.			
Ketros Market 2024/10/ 2024/10/ 2024/10/ 2024/10/ 2024/10/ 2024/10/ 2024/10/	Detach           Hour         Start of Initia           23 01         2024/10/2:           23 02         2024/10/2:           23 03         2024/10/2:	Window         Start of Mandatory Window           06:00         2024/10/22 22:00	and the law t				
Market 2024/10) 2024/10) 2024/10) 2024/10 2024/10 2024/10	Hour         Start of Initia           23 01         2024/10/2:           23 02         2024/10/2:           23 03         2024/10/2:	06:00 2024/10/22 22:00					
2024/10) 2024/10) 2024/10) 2024/10) 2024/10) 2024/10)	23 01 2024/10/2 23 02 2024/10/2 23 03 2024/10/2	06:00 2024/10/22 22:00	Start of Closed Window	]			
2024/10) 2024/10) 2024/10) 2024/10) 2024/10)	23 02 2024/10/2 23 03 2024/10/2	000 000 000 000 000 000 000 000 000 00	2024/10/22 23:50				
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2024/10) 2024/10) 2024/10) 2024/10)	133 04 303 A (10/31	2024/10/23 00:00	2024/10/23 01:50				
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2024/10/	23 05 2024/10/2	2024/10/23 02:00	2024/10/23 03:50				
2112341111	23.07 2024/10/2	06:00 2024/10/23 04:00	2024/10/23 05:50				
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2024/10/	23 09 2024/10/2	06:00 2024/10/23 06:00	2024/10/23 07:50				
2024/10/	23 10 2024/10/2	06:00 2024/10/23 07:00	2024/10/23 08:50				
2024/10/	23 11 2024/10/20	06:00 2024/10/23 08:00	2024/10/23 09:50				
2024/10/	23 12 2024/10/23	06:00 2024/10/23 09:00	2024/10/23 10:50				
2024/10/	23 13 2024/10/22	06:00 2024/10/23 10:00	2024/10/23 11:50				
2024/10/	23 14 2024/10/20	06:00 2024/10/23 11:00	2024/10/23 12:50				
2024/10/	23 15 2024/10/23	06:00 2024/10/23 12:00	2024/10/23 13:50				
2024/10/	23 16 2024/10/23	06:00 2024/10/23 13:00	2024/10/23 14:50				
2024/10/	23 17 2024/10/23	06:00 2024/10/23 14:00	2024/10/23 15:50				
2024/10/	23 18 2024/10/2	06:00 2024/10/23 15:00	2024/10/23 16:50				
2024/10/	23 19 2024/10/23	06:00 2024/10/23 16:00	2024/10/23 17:50				
2024/10/	23 20 2024/10/23	06:00 2024/10/23 17:00	2024/10/23 18:50				
2024/10/	23 21 2024/10/2	06:00 2024/10/23 18:00	2024/10/23 19:50				
2024/10/	23 22 2024/10/2	06:00 2024/10/23 19:00	2024/10/23 20:50				
2024/10/	23 23 2024/10/2	06:00 2024/10/23 20:00	2024/10/23 21:50				
2024/10/	23 24 2024/10/2	06:00 2024/10/23 21:00	2024/10/23 22:50				
2024/10/	24 01 2024/10/2	2024/10/23 22:00	2024/10/23 23:50				
2024/10/	24 02 2024/10/2	2024/10/23 23:00	2024/10/24 00:50				
2024/10/	24 03 2024/10/2	2024/10/24 00:00	2024/10/24 01:50				
2024/10/	24 04 2024/10/2	2024/10/24 01:00	2024/10/24 02:50				
2024/10/ 2024/10	24 05 2024/10/2	2024/10/24 02:00	2024/10/24 03:50				
2024/10/	24 00 2024/10/2	2024/10/24 03:00	2024/10/24 04:50				
2024/10/	24 07 2024/10/2	2024/10/24 05:00	2024/10/24 05:50				
1 2024/10/	24.00 2024/10/2	2024/10/24 06:00	2024/10/24 07:50				

#### Expected Result

- 3 Verify that the details in the header section are displayed in the following order starting from the left:
  - 1. IESO Logo
  - 2. Title = "Energy Market Interface (EMI)"
  - Login Date/time is displayed in the format YYYY/MM/DD HH:MM EST
  - 4. Prod | Participant Username
  - 5. Log out button

The header	section should be similar to th	e following:		
← C 🗈 https;	//weblogicapps2.ieso.ca/emi/faces/emiMainScreen.jspx		Q A & & (2)	н ст 🗇 🚽 🗞 ""а
😵 ieso	Energy Market Interface (EMI)	2024/10/23 13:33 EST	Prod   USERNAME	Act as 🚉 🖡
Market Information	Market Status			

#### **Expected Result**

Validate the options that are displayed under Market
 Information and Markets.
 The menu should display the following:

#### **Market information**

- Market Status
- Market Message

#### Markets

- Real Time Energy Market (RTEM)
- Operating Reserve (OPRES)
- Schedule (SCH)
- Daily Dispatch Data (DDD)
- Bilateral (BLT)
- Forebay Dispatch Data (FDD)

The left panel should be similar to the following:

lieso		Energy Ma	arket Interface (	E <b>MI)</b>
Market Information	Market Status			
Market Status				
Market Message				
Markets				
Real Time Energy Market (RTEM)				
Operating Reserve (OPRES)	Refresh	Detach		
Schedule (SCH)		Daily and H	ourly Data	
Daily Dispatch Data (DDD)	Market Hour	Start of Hourly & Daily Initial	Start of Daily Restricted	Start of Dail
Bilateral (BLT)		Window (EPT)	Window (EPT)	Windo
Forebay Dispatch Data (FDD)	2024/01/15 01	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 02	2024/01/14 06:00	2024/01/15 13:29	2024/01
	2024/01/15 03	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 04	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 05	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 06	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 07	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 08	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 09	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 10	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 11	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 12	2024/01/14 06:00	2024/01/14 13:29	2024/01
	2024/01/15 12	2024/01/14 06:00	2024/01/14 12:20	2024/01

#### Expected Result

5 Log out of the EMI UI by clicking the **Logout** button beside the username.

After clicking the **Logout** button, the user will be redirected back to the Gateway landing page:



### Additional Resources

- Submitting, Revising and Cancelling Energy Bids
- Submitting, Revising and Cancelling Energy Offers
- Submitting, Revising and Cancelling Schedules and Forecasts
- Submitting, Revising and Cancelling Import Offers and Export Bids
- Submitting, Revising and Cancelling Operating Reserve Offers

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