Market Trials: Operating Reserve in the Energy Market Interface (EMI) User Interface (UI)

July 9, 2024



Introduction	3
Common Functional Steps	4
CFS-01: Logging into EMI	4
CFS-02: Submitting a Bid	5
CFS-03: Query Operating Reserve Normal and Standing bid data	8
CFS-04: Cancel an Operating Reserve Normal or Standing bid	11
Test Cases	13
TC01: Verify that Operating Reserve Non-Standing (Normal) bid data can be successfully submitted for a resource	14
TC02: Verify Operating Reserve data can be successfully submitted for Standing Bid	15
TC03: Verify that an error response message is displayed when the Operative Reserve submission is made when the delivery hours are in the 'RT_CLOSE' window	15
TC04: Verify the submission of Operative Reserve Data for the specified hour is in Daily Restricted Window (DA_Restricted) and there is a change in the data field values, then the submission is subject to operator approval.	e 17
TC05: Verify the submission of Operative Reserve Data: if the RT window state for the specifie hour(s) is in the RT_MANDATORY window and there is a change in the data field values, then the submission is subject to operator approval.	ed 18
TC06: Verify that Operating Reserve Non-Standing bid data can be successfully queried for a resource.	20
TC07: Verify that Operating Reserve Standing bid data can be successfully queried for a resource	20
TC08: Verify Operating Reserve Non-Standing bid data can be successfully cancelled for a resource	21
TC09: Verify Operating Reserve Standing bid data can be successfully cancelled for the resource type	ce 21
TC10: Verify that an error response is displayed for an Operating Reserve data cancellation request on hours that are in the RT_CLOSE state	22
TC11: Verify Operating Reserve (OR) price and offer can be successfully submitted for a GOG- eligible resource	24
TC12: Verify that a user can query the Operating Reserve data for a GOG-eligible resource	24
TC13: If the RT window for the submitted hour is in the DA_RESTRICTED state, then an OPERATING RESERVE data cancellation is subject to operator approval	25

Additional Resources

Introduction

This document outlines the test cases to be executed in the Energy Market Interface as part of Market Trials Phase 1. In this phase of testing, the primary objective is for Market Participants to confirm that certain functionality to the submission of Operating Reserve offers in the Energy Market Interface (EMI) User Interface (UI) are working as intended.

It is highly recommended that Market Participants start with the Standing Bid submission test cases and then execute test cases in the following order: Daily Dispatch Data (DDD), Real-Time Energy Market (RTEM), Forebay, Operating Reserve (OR) and Schedules.

Market Participants should ensure that they submit any defects via qTest or in the Market Trials Issue Log Template. This will contribute significantly to the overall improvement of the IESO tools. For more information on how submit defects via qTest, Market Participants can refer to the <u>Quick</u> <u>Take: Submission of Test Case Results and Defects in qTest</u> on the <u>Market Participant Testing</u> web page.

Preconditions:

1. User has access to the IESO's Energy Market Interface (EMI) in the Sandbox environment (https://emi-sandboxmrp.ieso.ca/).

2. User has access to IESO Gateway in the Sandbox environment (https://gatewaysbx.ieso.ca/)

3. User has a valid user ID and password for EMI and IESO Gateway.

4. User executed the test cases for EMI Connectivity Testing to validate their access. (https://www.ieso.ca/-/media/Files/IESO/Document-Library/market-renewal/Market-Participant-Testing/Test-Cases-for-Connectivity-Testing.zip)

5. The Real-Time Energy Market (RTEM) data for the corresponding participant, delivery date, resource (related Forebay), and hour are present in the system.

6. For Query and Cancel requests there must be existing data available in the system for the selected resource.

7. Any Operating Reserve data for a corresponding participant, delivery date, resource, reserve class and hour are present in the system.

Common Functional Steps

This section lists out the common functional steps when submitting Operating Reserve offers in EMI. This section will be referenced in the following test cases.

CFS-01: Logging into EMI

Step User Instruction

Expected Result

User is able to successfully log into EMI.

1 Log in to EMI directly through its URL (<u>https://emi-</u> sandboxmrp.ieso.ca/)

OR

Users can click on the "Energy Market interface for MRP" tile under the IESO Sandbox Gateway dashboard (<u>https://gateway-</u> <u>sbx.ieso.ca/</u>).

	shboard IESO Gate 3	-	× +										
C C https:	//weblogicapps2-sb	x.ieso.ca/emi/faces/emiMa	ainScreen.jspx				A#		¢þ	£≡	۲	8	
🏓 ieso	Energy I	Market Interface (EMI) 202	24/01/3 10:24 EST	Sandbox	I USERNAME			Act as		32	•	
Market Information	Harket Status												
Markets				Market Status									
		 eTag ID Mandatory Windows XXL53 × XXL50 * Past windows are greated out. Current window is highlighted in Yellow. 											
	Refresh	Detach	Pas milants a	re greyes out carrent minori is my	ingriced in relien.								
	Market Hour	Start of Initial Window	Start of Mandatory Window	Start of Closed Window									
	2024/01/03 01	2024/01/02 06:00	2024/01/02 22:00	2024/01/02 23:50									
	2024/01/03 02	2024/01/02 05:00	2024/01/02 23:00	2024/01/03 00:50									2
	2024/01/03 03	2024/01/02 06:00	2024/01/03 00:00	2024/01/03 01:50									11
	2024/01/03 04	2024/01/02 06:00	2024/01/03 01:00	2024/01/03 02:50									
	2024/01/03 05	2024/01/02 06:00	2024/01/03 02:00	2024/01/03 03:50									
	2024/01/03 06	2024/01/02 06:00	2024/01/03 03:00	2024/01/03 04:50									
	2024/01/03 07	2024/01/02 06:00	2024/01/03 04:00	2024/01/03 05:50									
	2024/01/03 08	2024/01/02 06:00	2024/01/03 05:00	2024/01/03 06:50									
	2024/01/03 09	2024/01/02 06:00	2024/01/03 06:00	2024/01/03 07:50									
	2024/01/03 10	2024/01/02 06:00	2024/01/03 07:00	2024/01/03 08:50									
	2024/01/03 11	2024/01/02 06:00	2024/01/03 08:00	2024/01/03 09:50									
	2024/01/03 12	2024/01/02 06:00	2024/01/03 09:00	2024/01/03 10:50									
	2024/01/03 13	2024/01/02 06:00	2024/01/03 10:00	2024/01/03 11:50									
	2024/01/03 14	2024/01/02 06:00	2024/01/03 11:00	2024/01/03 12:50									
	2024/01/03 15 2024/01/03 16	2024/01/02 06:00 2024/01/02 06:00	2024/01/03 12:00 2024/01/03 13:00	2024/01/03 13:50 2024/01/03 14:50									
	2024/01/03 17	2024/01/02 06:00	2024/01/03 13:00	2024/01/03 15:50									
	2024/01/03 18	2024/01/02 06:00	2024/01/03 15:00	2024/01/03 16:50									
	2024/01/03 19	2024/01/02 06:00	2024/01/03 16:00	2024/01/03 17:50									
	2024/01/03 20	2024/01/02 06:00	2024/01/03 17:00	2024/01/03 18:50									
	2024/01/03 21	2024/01/02 06:00	2024/01/03 18:00	2024/01/03 19:50									
	2024/01/03 22	2024/01/02 06:00	2024/01/03 19:00	2024/01/03 20:50									
	2024/01/03 23	2024/01/02 06:00	2024/01/03 20:00	2024/01/03 21:50									1
	2024/01/03 24	2024/01/02 06:00	2024/01/03 21:00	2024/01/03 22:50									- 1
	2024/01/04 01	2024/01/03 06:00	2024/01/03 22:00	2024/01/03 23:50									
	2024/01/04 02	2024/01/03 06:00	2024/01/03 23:00	2024/01/04 00:50									
	2024/01/04 03	2024/01/03 06:00	2024/01/04 00:00	2024/01/04 01:50									
	2024/01/04 04	2024/01/03 06:00	2024/01/04 01:00	2024/01/04 02:50									
	2024/01/04 05	2024/01/03 06:00	2024/01/04 02:00	2024/01/04 03:50									
	2024/01/04 06 2024/01/04 07	2024/01/03 06:00 2024/01/03 06:00	2024/01/04 03:00 2024/01/04 04:00	2024/01/04 04:50 2024/01/04 05:50									
	2024/01/04 07	2024/01/03 06:00	2024/01/04 05:00	2024/01/04 05:50									
	2024/01/04 09	2024/01/03 06:00	2024/01/04 05:00	2024/01/04 07:50									-

CFS-02: Submitting a Bid

Step	User Instruction	Expected Result				
1	Click on the Operating Reserve Market (OPRES) .	The "Operating Reserve (OPRES)" screen will display.				
		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)				

2 For a "Normal" bid type:

Submit input data in the following mandatory fields in submission header section for OPRES:

- Bid Type = Normal
- Delivery Date (Calendar pop-up on click)

Select a value from dropdown list for the below,

- Market Participant

The input values selected for the given mandatory fields is displayed.

Operating Reserve (OPRES)		
Bid Type : Normal Standing	Market Participant :	Reserve Class : 10 Min Spin 🗸
Delivery Date : 2024/07/03	Resource Type :	
Standing Day Type : ALL 🗸	Resource Name :	
		Load Data Submit

Step User Instruction Expected Result

- Resource type
- Resource Name
- Reserve Class
- 3 For a "Standing" bid type:

Submit input data in the following mandatory fields in submission header section for OPRES:

- Bid Type = STANDING

Select a value from dropdown list for the below,

- Standing Day Type
- Market Participant
- Resource type
- Resource Name
- Reserve Class
- 4 Submit hourly data in the "Bid/Offer Submission Information section"

The input values entered for the hourly input fields is displayed and the action type for the submitting hours is submit.

1. Expand required hours

The input values selected for the given mandatory fields is displayed.

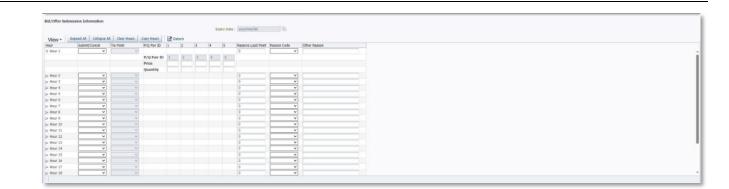
Operating Reserve (OPRES)		
Bid Type : O Normal @ Standing	Market Participant :	Reserve Class : 10 Min Spin 🗸
Delivery Date : yyyy/mm/dd 🚯 Standing Day Type : ALL 🗸	Resource Type : Resource Name :	
		Load Data Submit

Step User Instruction

Expected Result

2. Select "Submit" from Submit/Cancel drop-down

3. Enter values in the hourly input fields based on the submitting resource type



Click on the **SUBMIT** button in the header submission section.

5

Submission result pop-up displays the response "Successfully processed the OPRES submission."

File •						
Aarket Participant :						
tesource Name :						
lid/Offer Type :	Normal					
Standing Day Type :	ALL					
tesource Type :	GENERATOR			•		
Ipdate Transaction ID :						
ancel Transaction ID :						
		Severity	Hour	Code	Action	Description
		INFO			Update	Successfully processed the OPRES submission.

CFS-03: Query Operating Reserve Normal and Standing bid data

Step	User Instruction	Expected Result	
1	Click on the Operating Reserve Market (OPRES).	The "Operating Reserve (OPRES)" screen will display. 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)	
2	For a "Normal" bid type:	The input values selected for the given mandatory fields is displayed.	
	Submit input data in the following mandatory fields in submission header section for OPRES:	Operating Reserve (OPRES) Bid Type : @ Normal O Standing Nurket Purtogent : Delivery Date : 2024(007)03 @ Resource Type : Standing Day Type : ALL W Resource Name :	Reserve Class : 10 Mm Spin 🔍
	- Bid Type= Normal		
	- Delivery Date (Calendar pop-up on click)		

Step	User Instruction	Expected Result	
	Select a value from drop-down list for the below,		
	- Market Participant		
	- Resource type		
	- Resource Name		
	- Reserve Class		
3	For a "Standing" bid type:	The input values selected for the given mandatory fields is displayed.	
	Submit input data in the following mandatory fields in submission header section for OPRES:	Delvery Date: jyyyyimidd	
	- Bid Type= STANDING		
	Select a value from drop-down list for the below,		
	- Standing Day Type		
	- Market Participant		

Step	User Instruction	Expected Result
	- Resource Name	
	- Reserve Class	
4	Click on the Load Data button in the header	The OPRES page displays the queried data values for the selected resource and delivery date.
	submission section	Operating Reserve (OPRES)
		Bid Type : Normal O Standing Market Participant : Reserve Class : Delivery Date : 2024/05/23 2024/05/23 Resource Type :
		Standing Day Type : ALL V Resource Name : V Load Data Submit
		Operating Reserve (OPRES) Bid Type: Normal O Standing Delivery Date: 2024/05/23 Standing Day Type: Resource Type: Standing Day Type: Resource Name: Load Data Submit
		Bit/Offer Submission Information Expr://time/dim/

CFS-04: Cancel an Operating Reserve Normal or Standing bid				
Expected Result				
The "Operating Reserve (OPRES)" screen will display. Market Information Market Status Market Message Markets Real Time Energy Market (RTEM) Operating Reserve (OPRES) Schedule (SCH) Daily Dispatch Data (DDD) Bilateral (BLT)				

2
/
<u> </u>

For a "Normal" bid type:

Submit input data in the following mandatory fields in submission header section for OPRES:

- Bid Type = Normal

- Delivery Date (calendar pop-up on click) The input values selected for the given mandatory fields are displayed.

	Bid Typ	e : @ Normal 🔾	Standing							Market Partic	opant :		Reserve Class : 10 Min Spin 👻
	Delivery Dat	e: 2024/07/03	16							Resource	Type :		
	Standing Day Typ									Resource M	Name :		
		- Line -											Load Data Sutmit
Bid/Offer Subr	mission Information												
							Exp	ary Date :	yyyy/mm/dd	16			
View -	Expand All Collapse A	I Clear Hours	Copy Hours	De De	tach								
Hour		Tie Point	P/Q Pair ID			3	4	5	Reserve Load Point	Reason Code	Oth	teason	
V Hour 1	v	-							0.1	~			
			P/Q Pair ID	1	2	3	4	5					
			Price	1.25	1.25	21.6							
			Quantity	0	5.5	27.5							
V Hour 2	×	~							0.1	~			
			P/Q Pair ID	1	2	3	4	3)					
			Price	1.35	1.35	21.6							
			Quantity	0	5.5	27.5							
> Hour 3	×								0.1	×	1		
> Hour 4	×								0.1	~			
> Hour 5	×								0.1	~			
> Hour 6	×								0.1	×	1		
> Hour 7	×								0.1	~			
> Hour 8	×	-							0.1	~			
> Hour 9	×								0.1	~			
> Hour 10	×	~							0.1	~			
> Hour 11	×								0.1	~			
> Hour 12	×	~							0.1	~			
> Hour 13	×								0.1	~			
> Hour 14	×								0.1	~			
> Hour 15	×								0.1	~	-		

Step	User Instruction	Expected Result	
	Select a value from the drop-down list for the below fields:		
	- Market Participant		
	- Resource type		
	- Resource Name		
	- Reserve Class		
3	For a "Standing" bid type:	The input values selected for the given mandatory fields is displa	yed.
	- Bid Type = STANDING	Bid Type : O Normal @ Standing Market Participant : Delivery Date : Standing Dar Type	Reserve Class : 10 Min Spin 💌
	Select a value from drop-down list for the below,		Load Data Solmit
	- Standing Day Type		
	- Market Participant		
	- Resource type		
	- Resource Name		
	- Reserve Class		
4	Submit hourly data in the "Bid/Offer	The action type for the submitting hours is cancelled.	

Step User Instruction Expected Result

- Submission Information section"
- 1. Expand required hours
- 2. Select "Cancel" from Submit/Cancel dropdown

	Bid Typ	e: Normal S	Standing							Market Parti	cipant :		Reserve Class : 10 Min Spin 👻
	Delivery Dat	e: 2024/07/03	16							Resource	Time		
	Scanding Day Typ	0; ALL V								Resource	Name :		
													Load Data Submit
Bid/Offer Sul	bmission Information												
							Exp	kry Date :	yyyy/mm/dd	16			
View -	Expand All Collapse A	I Clear Hours	Copy Hours	Detac	h								
Hour	Submit/Cancel		P/Q Pair ID			3	4	5	Reserve Load Point	Reason Code	Oth	er Reason	
V Hour 1	Cancel v	v							0.1	· ·			
			P/Q Pair ID	1	2	3	4	5					
			Price	1.25	1.25	21.6							
			Quantity	0	5.5	27.5							
V Hour 2	Cancel V	×							0.1		1		
			P/Q Pair ID	1	2	3	4	5					
			Price	1.35	1.35	21.6							
			Quantity	0	5.5	27.5							
> Hour 3	×	¥							0.1				
> Hour 4	×	¥							0.1		-		
> Hour 5	×	~							0.1	· · · · · · · · · · · · · · · · · · ·	•		
> Hour 6	~	~							0.1	~	-		
Hour 7	~ ~								0.1				
> Hour 8	~								0.1	~			
> Hour 9	×								0.1				
> Hour 10		~							0.1	~			
> Hour 11	~	Y							0.1	-			
> Hour 12	~	×							0.1	~	-		
> Hour 13	×	~							0.1	~			
> Hour 14	×	V							0.1	v .	-		

Click on the **SUBMIT** button in the header submission section

					File *
					larket Participant :
					lesource Name :
					id/Offer Type :
					tanding Day Type :
					esource Type :
					pdate Transaction ID :
					ancel Transaction ID :
scription	Action	Code	Hour	Severity	
cessfully processed the OPRES cancellation.	Cancel			INFO	
cription cessfully processed the OPRES cancellation.		Code	Hour		pdate Transaction ID :

Submission result pop-up displays the response "Successfully processed the OPRES cancellation."

Test Cases

5

TC01: Verify that Operating Reserve Non-Standing (Normal) bid data can be successfully submitted for a resource

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Step 1 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.	
	Note: Physical Market is in the RT_INITIAL window.	
3	Execute Step 2, and 4-5 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.	

TC02: Verify Operating Reserve data can be successfully submitted for Standing Bid

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Steps 1, and 3- 5 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.	

TC03: Verify that an error response message is displayed when the Operative Reserve submission is made when the delivery hours are in the 'RT_CLOSE' window

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Steps 1 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.	

Step	User Instruction	Expected Result	
	Note: Physical Market is in RT_CLOSE window for the submitting date and hours.		
3	Execute Steps 2 and 4 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.		
4	Click on the SUBMIT button in the header submission section.	Submission result pop-up displays the response "RT Market is closed for hour:XX" Submission Result File Market Participant : Resource Name : Bid/Offer Type : Standing Day Type : Standing Day Type : Update Transaction ID : Severity Hour Code Action Description Update Transaction ID : ENDOR 01 Export to Excel	

TC04: Verify the submission of Operative Reserve Data for the specified hour is in Daily Restricted Window (DA_Restricted) and there is a change in the data field values, then the submission is subject to operator approval.

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Steps 1 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.	
	Note: Physical Market is in DA_RESTRICTED window for the submitting date and hours.	
3	Execute Steps 2, and 4 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.	

Step	User Instruction	Expected Result
4	Click on the SUBMIT button in the header submission section	Submission result pop-up displays the response "Submission is successful and is waiting for operator approval"

TC05: Verify the submission of Operative Reserve Data: if the RT window state for the specified hour(s) is in the RT_MANDATORY window and there is a change in the data field values, then the submission is subject to operator approval.

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Steps 1 from CFS-02 from the	

Step	User Instruction	Expected Result
	Common Functional Steps section.	
	Note: Physical Market is in RT_MANDATORY window for the submitting date and hours.	
3	Execute Steps 2, and 4 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.	
4	Click on the SUBMIT button in the header submission section	Submission result pop-up displays the response "Submission is successful and is waiting for operator approval."

- -

TC06: Verify that Operating Reserve Non-Standing bid data can be successfully queried for a resource.

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Step 1-2, and 4 from CFS-03 from the <u>Common Functional</u> <u>Steps</u> section.	

TC07: Verify that Operating Reserve Standing bid data can be successfully queried for a resource

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Step 1, 3, and 4 from CFS-03 from the <u>Common Functional</u> <u>Steps</u> section.	

TC08: Verify Operating Reserve Non-Standing bid data can be successfully cancelled for a resource

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Steps 1-2, and 4-5 from CFS-04 from the <u>Common Functional</u> <u>Steps</u> section.	

TC09: Verify Operating Reserve Standing bid data can be successfully cancelled for the resource type

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Steps 1, 3, and 4-5 from CFS-04 from the <u>Common Functional</u> <u>Steps</u> section.	

TC10: Verify that an error response is displayed for an Operating Reserve data cancellation request on hours that are in the RT_CLOSE state

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Steps 1 from CFS-04 from the <u>Common Functional</u> <u>Steps</u> section.	
	Note: Physical Market is in RT_CLOSE window for the submitting date and hours.	
3	Execute Steps 2, and 4 from CFS-04 from the <u>Common Functional</u> <u>Steps</u> section.	
4	Click on the SUBMIT button in the header submission section.	Submission result pop-up displays the response "RT Market is closed for hour:XX".
	Market Trials: Operating Reserve in the Energy Ma	a Export to Excel

TC11: Verify Operating Reserve (OR) price and offer can be successfully submitted for a GOG-eligible resource

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Steps 1-2, and 4-5 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.	

TC12: Verify that a user can query the Operating Reserve data for a GOG-eligible resource

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
	Execute Steps 1 from CFS-03 from the <u>Common Functional</u> <u>Steps</u> section.	

Step	User Instruction	Expected Result
2	Execute Steps 2, from	
	CFS-03 from the	
	Common Functional	
	Steps section. (verify	
	that the resource is	
	GOG-eligible in the	
	resource name field)	
	Execute Steps 4 from	
	CFS-03 from the	
	Common Functional	
	Steps section.	

TC13: If the RT window for the submitted hour is in the DA_RESTRICTED state, then an OPERATING RESERVE data cancellation is subject to operator approval

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
	Execute Steps 1 from CFS-04 from the	

Step	User Instruction	Expected Result
	<u>Common Functional</u> <u>Steps</u> section.	
	Note: Physical Market is in DA_RESTRICTED window for the submitting date and hours.	
2	Execute Steps 2, and 4 from CFS-04 from the <u>Common Functional</u> <u>Steps</u> section.	
3	Click on the SUBMIT button in the header submission section.	Submission result pop-up displays the response: "Cancellation is successful and is waiting for operator approval."
		Update Transaction ID :
		Update Transaction ID : Cancel Transaction ID : INFO Code Action Description Cancel Cancellation is successful and is waiting for operator approval.

TC14: If the RT window for the submitted hour is in RT_MANDATORY state, then the OPERATING RESERVE data cancellation is subject to operator approval

Step	User Instruction	Expected Result
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
	Execute Steps 1 from CFS-04 from the <u>Common Functional</u> <u>Steps</u> section.	
	Note: Physical Market is in RT_MANDATORY window for the submitting date and hours.	
2	Execute Steps 2 and 4 from CFS-04 from the <u>Common Functional</u> <u>Steps</u> section.	

Step **User Instruction Expected Result** 3 Submission result pop-up displays the response: "Cancellation is successful and is waiting for Click on the **SUBMIT** operator approval." button in the header submission section Submission Result File -Market Participant Resource Name : Bid/Offer Type : Standing Day Type : Resource Type : Update Transaction ID : Cancel Transaction ID : Severity Hour Code Action Description INFO Cancel Cancellation is successful and is waiting for operator approval. Export to Excel

Additional Resources

- MRP Market Trials Test Plan
- Energy Market Interface/Market Information Management
 - Submitting and Revising Daily Dispatch Data
 - Submitting, Revising and Cancelling Energy Bids
 - Submitting, Revising and Cancelling Energy Offers
 - Submitting, Revising and Cancelling Import Offers and Export
 - Submitting and Revising Forebay Dispatch Data
 - Submitting, Revising and Cancelling Operating Reserve Offers
 - Submitting, Revising and Cancelling Schedules and Forecasts
- <u>Test Cases for Connectivity Testing (.zip)</u>
- Quick Take: Submission of Test Case Results and Defects in qTest

Independent Electricity System Operator 1600-120 Adelaide Street West

Toronto, Ontario M5H 1T1

Phone: 905.403.6900 Toll-free: 1.888.448.7777 E-mail: <u>customer.relations@ieso.ca</u>

ieso.ca

@IESO Tweets

 Inkedin.com/company/IESO

