Market Trials: Daily Dispatch Data (DDD) in the Energy Market Interface (EMI) User Interface (UI)

August 7, 2024 Version 2.0



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Introduction

This document outlines the test cases to be executed in the Energy Market Interface (EMI) as part of Market Trials Phase 1. In this phase of testing, the primary objective is to confirm that certain functions of the Energy Market Interface (EMI) User Interface (UI) when submitting Daily Dispatch Data (DDD) 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 submit any defects discovered during testing via qTest or in the Market Trials Issue Log Template. Doing so will contribute significantly to the overall improvement of the IESO tools. For more information about submitting defects via qTest, refer to the <u>Quick</u> <u>Take:</u> <u>Submission of Test Case Results and Defects in qTest</u> on the <u>Market Participant Testing</u> web page.

Preconditions:

1. The user has access to the IESO's EMI in the Sandbox environment (https://emisandboxmrp.ieso.ca/)

2. The user has access to IESO Gateway in the Sandbox environment (https://gateway-sbx.ieso.ca/)

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

4. The 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. There must be existing data available in EMI for the selected resource for any Query and Cancel requests.

Common Functional Steps

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

CFS-01: Logging into EMI

User Instruction Expected Result Step Log in to EMI directly through User is able to successfully log in to EMI 1 its URL (https://emi-0 × 🔲 🚺 My Apps Dashboard | IESO Gate 🗙 🕒 EMI × + sandboxmrp.ieso.ca/) AN CD 5 C https://weblogicapps2-sbx.ieso.ca/emi/faces/emiMainScreen.jspx ŝ Ø 6 3 Energy Market Interface (EMI) 2024/01/3 10:24 EST OR Pieso Sandbox | USERNAME Act as • Q Market Status **Market Information** 0 Markets Market Status Users can click on the "Energy Generated : 2024/01/03 10:24:32 0 Market interface for MRP" tile e-Tag ID Mandatory Window: XX:28 - XX:50 * Past windows are greyed out. Current window is highlighted in Yellow. Refresh 🛃 Detach + under the IESO Sandbox Start of Initial Window Market Hour 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 00:50 Gateway dashboard 2024/01/03 02 2024/01/02 05:00 2024/01/02 23:00 2024/01/03 03 2024/01/02 06:00 2024/01/03 00:00 2024/01/03 01:50 2024/01/03 04 2024/01/02 06:00 2024/01/03 01:00 2024/01/03 02:50 (https://gateway-sbx.ieso.ca/). 2024/01/03 05 2024/01/02 06:00 2024/01/03 02:00 2024/01/03 03:50 2024/01/03 04:50 2024/01/03 06 2024/01/02 06:00 2024/01/03 03:00 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 2024/01/03 11:00 2024/01/03 12:50 2024/01/02 06:00 2024/01/03 15 2024/01/02 06:00 2024/01/03 12:00 2024/01/03 13:50 2024/01/03 16 2024/01/02 06:00 2024/01/03 13:00 2024/01/03 14:50 2024/01/03 17 2024/01/02 06:00 2024/01/03 14:00 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 2024/01/02 06:00 2024/01/03 19:00 2024/01/03 20:50 2024/01/03 22 2024/01/03 23 2024/01/02 06:00 2024/01/03 20:00 2024/01/03 21:50 2024/01/03 24 2024/01/02 06:00 2024/01/03 21:00 2024/01/03 22:50 2024/01/04 01 2024/01/03 06:00 2024/01/03 22:00 2024/01/03 23:50 2024/01/04 00:50 2024/01/04 02 2024/01/03 06:00 2024/01/03 23:00 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 2024/01/03 06:00 2024/01/04 03:00 2024/01/04 04:50 2024/01/04 07 2024/01/03 06:00 2024/01/04 04:00 2024/01/04 05:50 Ø 2024/01/04 08 2024/01/03 06:00 2024/01/04 05:00 2024/01/04 06:50 2024/01/04 09 2024/01/03 06:00 2024/01/04 06:00 2024/01/04 07:50 \$

CFS-02: Submitting a Bid for DDD

Step	User Instruction	Expected Result	
1	Select the Market Daily Dispatch Data (DDD) for	The DDD submission interface is displayed.	
	day ahead initial window.	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 "Normal" Bid Type:

Please enter the following mandatory fields to submit a Daily Dispatch Data submission:

Select Bid Type: Norma

Select Delivery Date, which a day ahead the initial window

Select Market Participant

Data fields interface is displayed for the selected resource.

lowing	Daily Dispatch Data (DDD)			
submit a	Bid Type : Normal Standing Delivery Date : 2024/07/02	Market Participant :		
	Standing Day Type : ALL	Load Data Submit		
ormal				
e, which a al window				

User Instruction	Expected Result
Select Resource Name	
For "Standing" Bid Type,	Data fields are displayed for the selected resource.
Please enter the following mandatory fields to submit a Daily Dispatch Data submission:	Daily Dispatch Data (DDD) Bid Type : O Normal O Standing Delivery Date : yyyy/mm/dd Bid Type : ALL
Select Bid Type: Standing	
Select Standing Day Type: ALL	
Select Market Participant	
Select Resource Name	
Set an Expiry Date	
For both "Normal" Bid and "Standing" Bid type:	Submission for Daily Dispatch Data (DDD) to be successful. User should be able to view the submission result message "Successfully processed the DDD submissions."
Enter the applicable data fields with submission data for the bid, and click on Submit .	
- Minimum Loading Point	
- Minimum Generation Block Down Time	
- Minimum Generation Block Run Time	
	Select Resource NameFor "Standing" Bid Type,Please enter the following mandatory fields to submit a Daily Dispatch Data submission:Select Bid Type: StandingSelect Standing Day Type: ALL Select Market ParticipantSelect Resource Name Set an Expiry DateFor both "Normal" Bid and "Standing" Bid type:Enter the applicable data fields with submission data for the bid, and click on Submit Minimum Generation Block Down Time- Minimum Generation Block

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- Maximum Number of Starts per Day
- Lead Time
- Ramp Up Energy to MLP
- Single Cycle Mode
- Forbidden Regions
- Reason Code
- Reason Description

y Generator Data Submission Information
Expiry Date : 2024/07/02 3
mum Loading Point
1-on-1 (MW) : 3-on-1 (MW) : 4-on-1 (MW) :
mum Generation Block Down Time (Hr):
Hot: v Warm: v Cold: v
imum Generation Block Run Time (Hr):
Maximum Number of Starts per Day :
d Time (Hr):
Hot: V Warm: V Cold: V
np Up Energy to MLP:
Ramp Hours to MLP: 1 2 3 4 5 6 7 8 9 10 11 12 Hot(MW):
le Cycle Mode : 📃 🗸
vidden Regions:
Forbidden Region Set ID: 1 2 3 4 5
Upper Bound(MW): Lower Bound(MW):
son Code : v
son Description :

File •			
arket Participant :			
esource Name :			
ansaction ID :			
	Code	Action	Message
	WINDOW-	MAND Update	Field: Minimum Generation Block Run Time submission is ignored, as DA window is in Mandatory State
	-WINDOW-P	MAND Update	Field: Minimum Loading Point submission is ignored, as DA window is in Mandatory State
	MIT-SUCCE	ESS Update	Successfully processed the DDD submission.

CFS-03: How to query for a Bid

Step	User Instruction	Expected Result	
1	Select the Market Daily Dispatch Data (DDD).	The DDD submission interface is displayed.	
		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 "Normal" Bid type:

Enter the following mandatory fields to query a Daily Dispatch Data submission:

- Select Bid Type: Normal
- Select Delivery Date
- Select Market Participant
- Select Resource Name
- Click on Load Data.

Bid Type : 🖲 Normal 🔘 Standing	Market Participant :
Delivery Date : 2024/07/02	Resource Name :
Standing Day Type : ALL 🗸	

The page displays the queried data values for the selected resource.

Expry Dute: 22x94/07/02 minum Lading Point 1 1 - 0n-1 (MW): 2 inimum Generation Block Down Time (Hr):	
numu Lading Pont 1 - 0 - 0 / W) : 2 - 0 - 1 (W) : - 0 - 1 (W) : numus Ceneration Block Down Time (H): W: Wr: Wr: numus Ceneration Block Run Time (H): : diame Generation Block Run Time (H): : maximum Construction Block Run Time (H): : diame Generation Block Run Time (H): : maximum Construction Block Run Time (H): :	Daily Generator Data Submission Information
1 - 0-1 (WW): 2 2 -0-1 (WW): - <td>Expiry Date: 2024/07/02 Gb</td>	Expiry Date: 2024/07/02 Gb
Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); Image: Warring Buck Run Ture (Hr); Het: Image: Warring Buck Run Ture (Hr); <td< td=""><td>Minimum Loading Point 1-on-1 (MW) : 2-on-1 (MW) : 3-on-1 (MW) :</td></td<>	Minimum Loading Point 1-on-1 (MW) : 2-on-1 (MW) : 3-on-1 (MW) :
Immune Generation Block Run Time (Hr): Image: Control of Starts per Day: Maximum Number of Starts per Day: Image: Control of Starts per Day: ad Time (Hr): Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day: Image: Control of Starts per Day:	Minimum Generation Block Down Time (Hr):
Haximum Humber of Starts per Day:	Hot: 1 V Warm: 8 V Cald: 12 V
ad Time (Hr): Het: 1 Warr: 1 Cold: 1 mpU E Energy to MLP: Ramp Hours to MP: 2 4 5 7 8 9 10 11 12 Hot(MV): 4 2 6 7 8 9 10 11 12 Hot(MV): 4 2 7 10 10 10 10 10 10 10 10 10 10	Minimum Generation Block Run Time (Hr): 📴 💙
Hot: • Warm: • Cold: • mpUp: 1 1 1 1 1 1 Hot: 1 <td>Maximum Number of Starts per Day : 2</td>	Maximum Number of Starts per Day : 2
Ramp Hours to MLP: 1 2 3 4 5 6 7 8 9 10 11 12 Hot(MV): 4 2 3 6 7 8 9 10 11 12 Vamm/MVV: 4 2 3 6 7 8 9 10 11 12 cold(HW): 4 2 1 1 1 12 <td>Lead Time (Hr): Hot: 1 Warm: 1 Cald: 1 Y</td>	Lead Time (Hr): Hot: 1 Warm: 1 Cald: 1 Y
Hot(MV): 4.2 Warm(MV): 4.2 Cold(MW): 4.2 Imple Cycle Mode : Imple Cycle Mode : rbidden Regions: Imple Cycle Mode : Forbidden Region Set ID: 1 2 4 Lower Bound(MV): 1 1 1	Ramp Up Energy to HLP:
rbidden Regions: Forbidden Regions Set ID: 1 2 3 4 5 Upper Bound(MV):	Hot(MW): 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2
Forbidden Region Set ID: 1 2 3 4 5 Upper Bound(MW): C C C C C C C C C C C C C C C C C C C	Single Cycle Mode : v
Upper Bound (MW):	Forbidden Regions:
	Upper Bound(MW):
ason code: [1 v]	
Seen Description - Ceb11 Ev	
ason Description : [+6021_Fix	Reason Description: Feb21, Fix

Step User Instruction

Expected Result

3 For "Standing" Bid type:

Enter the following mandatory fields to query a Daily Dispatch Data submission:

Select Bid Type: Standing

Select: Standing Day Type

Select Market Participant

Select Resource Name

Click on Load Data.

y Dispatch Data (DDD)	
Bid Type : O Normal Standing	Market Participant :
Delivery Date : yyyy/mm/dd	Resource Name :
Standing Day Type : ALL	
	Load Data Submit

The page displays the queried data values for the selected resource.

Daily Generator Data Submission Information
Expiry Date: 5000/01/01 00
Minimum Loading Point
1-on-1 (MW) : 28 2-on-1 (MW) : 4-on-1 (MW) : 4-on-1 (MW) :
Minimum Generation Block Down Time (Hr):
Hot: 1 V Warn: 8 V Cold: 12 V
Minimum Generation Block Run Time (Hr): 3 v
Maximum Number of Starts per Day:
Lead Time (Hr):
Hot: 1 v Warm: 1 v Cold: 1 v
Ramp Up Energy to MLP:
Ramp Hours to MLP: 1 2 3 4 5 6 7 8 9 10 11 12
Hot(MW): 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2
Cold(NV): 42
Single Cycle Mode : 📃 🗸
Forbidden Regions:
Forbidden Region Set ID: 1 2 3 4 5
Upper Bound(MW):
Lower bound(INV):
Reason Code : T v
Reason Description: [Feb21_Fix

Test Cases

TC01: Submit Daily Dispatch Data (DDD) for a Normal (Non-Standing) bid data successfully for an 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 from CFS-02 from the <u>Common</u> <u>Functional Steps</u> section.	

TC02: Submit Daily Dispatch Data (DDD) for Standing bid data successfully for an 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 1,3, and 4 from CFS-02 from the <u>Common</u> Functional Steps section.	

TC03: Submission of Daily Dispatch Data in the DA_RESTRICTED window: If the Day-Ahead (DA) window for the specified delivery date is in DA_RESTRICTED state and there is a change in any of the 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 1-2 and 4 from CFS-02 from the <u>Common</u> <u>Functional Steps</u> section.	

Step User Instruction

Expected Result

3 Wait until the Delivery Date selected in Step 2 from CFS-02 from the Common Functional Steps section comes to Daily **Restricted Window** (DA_Restricted). Select the same Bid Type, Delivery Date, Market Participant, Resource Name as those entered in Step 2 from CFS-02 from the **Common Functional Steps** section, and update the rest of the form with different values for the applicable data fields (refer to Step 4 from CFS-02 from the Common Functional Steps section), then click on Submit.

The page displays a message "Submission is successful and is waiting for operator approval."

ubmission Result : Daily Display Data (DDD)				
File •				
Market Participant :	-			
Resource Name : Transaction ID :				
	Code	Action	Message	
	SUBMIT-APPROVAL	Update	Submission is successful and is waiting for operator approval.	
	Export to Ex	cel		

TC04: Submission of Daily Dispatch Data in the DA_MANDATORY window: Verify Daily Dispatch Data submission for a CT PSU resource, when DA window for the specified delivery date is in DA_MANDATORY state and there is a change in the single cycle mode (SCM) flag. The submission should be 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 Step 1 from CFS-02 from the <u>Common Functional</u> <u>Steps</u> section.	
3	Please enter the following mandatory fields to submit a Daily Dispatch Data submission: Select Bid Type: Normal	Data fields are displayed for the selected resource.
	Select Delivery Date, which is a day ahead the initial window	Load Data Submit
	Select Market Participant	
	Select a CT PSU resource from the Resource Name list	

Enter the applicable data fields with submission data for the bid, and click on **Submit**:

4

- Minimum Loading Point (Mandatory)
- Minimum Generation Block Down Time (Mandatory)
- Minimum Generation Block Run Time (Mandatory)
- Maximum Number of Starts per Day
- Lead Time
- Ramp Up Energy to MLP
- Single Cycle Mode (If not present then defaulted to false)
- Reason Code (Mandatory in DA_RESTRICTED or DA_MANDATORY window)
- Reason Description
 (Mandatory if Reason Code is 'OTHER')

Enter the applicable data fields Submission for Daily Dispatch Data (DDD) to be successful.

Daily Generator Data Submission Information
Expiry Date : 2024/07/02 0
Minimum Loading Point 3-on-1 (MW) : 4-on-1 (MW) : 1-on-1 (MW) : 3-on-1 (MW) : 4-on-1 (MW) :
Minimum Generation Block Down Time (Hr):
Hot: V Warm: V Cold: V
Hinimum Generation Block Run Time (Hr): 🔽 🗸
Maximum Number of Starts per Day :
Lead Time (Hr): Hot: V Warm: V Cold: V
Ramp Up Energy to MLP:
Ramp Hours to MLP: 1 2 3 4 5 6 7 8 9 10 11 12 H4(PW):
Single Cycle Mode : v
Forbidden Regions:
Forbidden Region Set ID: 1 2 3 4 5 Upper Bound(MW):
Reason Code : v
Reason Description :

Wait until the Delivery Date selected in test step 3 comes to Daily Mandatory Window (DA_MANDATORY). Select the same Bid Type, Delivery Date, Market Participant, Resource Name as those entered in test step 3. Change the value of the "Single Cycle Mode (SCM) Flag" field. Click on **Submit**.

5

The page displays a message "Submission for DDD is successful and is waiting for operator approval."

File -				
arket Participant :				
esource Name :				
ansaction ID :				
	Code	Action	Message	
	SUBMIT-APPROVAL	Update	Submission is successful and is waiting for operator approval.	
	Export to Exce			
	Expose to Entre			

TC05: Daily Dispatch Data for a Non-Standing Bid (Normal) can be successfully queried for an eligible resource

Step	User mistraction	
1	Execute Step 1 from CFS-01 from the <u>Common Functional</u> <u>Steps</u> section.	
2	Execute Steps 1-2 from CFS- 03 from the <u>Common</u> <u>Functional Steps</u> section.	

TC06: Verify that Daily Dispatch Data for Standing Bid can be successfully queried for an eligible resource

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

Expected Pecult

Ston

llear Instruction

TC07: Verify that an error message is displayed when invalid data is entered for a DDD submission for a Non-Standing (Normal) Bid 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 from CFS- 02 from the <u>Common</u> <u>Functional Steps</u> section.		
3	Enter invalid data values in the applicable fields and click on Submit.	Submission fails and shows the respective error message where data validation failed for Submission Result : Daily Display Data (DDD) File * Market Participant :	or these field
}	the applicable fields and click	Submission Result : Daily Display Data (DDD)	or these field
3	the applicable fields and click	Submission Result : Daily Display Data (DDD) File * Market Participant : Resource Name : Transaction ID : Code Action Message	
1	the applicable fields and click	Submission Result : Daily Display Data (DDD) File * Market Participant : Resource Name : Transaction ID : Code Action Message Energy Per Ramp Hour Warm: 0 should be greater than or equal to Per Ramp Hour Warm: 22.4	o the previous Energy
3	the applicable fields and click	Submission Result : Daily Display Data (DDD) File * Market Participant : Resource Name : Transaction ID : Code Action Message Energy Fer Ramp Hour Warm: 0 should be greater than or equal to Per Ramp Hour Warm: 22.4 Interse	o the previous Energy
3	the applicable fields and click	Submission Result : Daily Display Data (DDD) File * Market Participant : Resource Name : Transaction ID : Code Action Energy Per Ramp Hour Warm: 0 should be greater than or equal to Per Ramp Hour Warm: 22.4 Energy: Per Ramp Hour Warm: 0 should be greater than or equal to Per Ramp Hour Warm: 22.4 Energy: Per Ramp Hour Warm: 2.4 Energy: Per Ramp Ho	o the previous Energy the previous Energy Per
3	the applicable fields and click	Submission Result : Daily Display Data (DDD) File Market Participant : Resource Name : Transaction ID : Code Action Message Update Energy Fer Ramp Hour Warm: 0 should be greater than or equal to Per Ramp Hour Warm: 22.4 Update Energy Fer Ramp Hour Warm: 22.4 Update Energy Fer Ramp Hour Hot: 0 should be greater than or equal to Per Ramp Hour Warm: 22.4 Update Energy Fer Ramp Hour Hot: 0 should be greater than or equal to Per Ramp Hour Hot: 18.7 Update Energy Fer Ramp Hour Hot: 18.7 Update Energy Fer Ramp Hour Hot: 0 should be greater than or equal to Per Ramp Hour Hot: 18.7 Update Energy Fer R	o the previous Energy the previous Energy Per w is in Mandatory State
3	the applicable fields and click	Submission Result : Daily Display Data (DDD) File * Market Participant : Resource Name : Transaction ID : Code Action Message Update Energy Per Ramp Hour Warn: 0 should be greater than or equal to the Ramp Hour Hot: 1 5.7 Update Energy Per Ramp Hour Warn: 2.4 Update Energy Per Ramp Hour Warn: 2.4 Update Energy Per Ramp Hour Hot: 0 should be greater than or equal to the Ramp Hour Hot: 15.7 Update Energy Per Ramp Hour Karn Energy Per Ramp Hour Karn State Update Energy Per Ramp Hour Codd: 0 should be greater than or equal to the Ramp Hour Hot: 0 should be greater than or equal to the Ramp Hour Hot: 0 should be greater than or equal to the Ramp Hour Hot: 0 should be greater than or equal to the Ramp Hour Hot: 0 should be greater than or equal to the Ramp Hour Hot: 0 should be greater than or equal to the Ramp Hour Hot: 0 should be greater than or equal to the Ramp Hour Karn State	o the previous Energy the previous Energy Per v is in Mandatory State as DA window is in
3	the applicable fields and click	Submission Result : Daily Display Data (DDD) File Market Participant : Resource Name : Transaction ID : Code Code Code Code Code Code Code Code	o the previous Energy the previous Energy Per w is in Mandatory State as DA window is in the previous Energy
3	the applicable fields and click	Submission Result : Daily Display Data (DDD) File *	o the previous Energy the previous Energy Per w is in Mandatory State as DA window is in the previous Energy

TC08: Verify error message when invalid data is entered for a DDD submission for a Standing Bid 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 and 3 from CFS-02 from the <u>Common</u> Functional Steps section.				
3	Enter invalid data values in the applicable fields and click on Submit.	Submission fails and show Submission Result : Daily Display Data (DD File * Market Participant : Resource Name :		error messa	age where data validation failed for these fields
3	the applicable fields and click	Submission Result : Daily Display Data (DD File * Market Participant :	D)		
3	the applicable fields and click	Submission Result : Daily Display Data (DD File * Market Participant : Resource Name :		Action	Message Energy Per Ramp Hour Warm: 0 should be greater than or equal to the previous Energy
3	the applicable fields and click	Submission Result : Daily Display Data (DD File * Market Participant : Resource Name :	D)	Action Update	Message Energy Per Ramp Hour Warm: 0 should be greater than or equal to the previous Energy Per Ramp Hour Warm: 22.4 Energy Per Ramp Hour Hot: 0 should be greater than or equal to the previous Energy Per
3	the applicable fields and click	Submission Result : Daily Display Data (DD File * Market Participant : Resource Name :	D)	Action Update	Message Energy Per Ramp Hour Warm: 0 should be greater than or equal to the previous Energy Per Ramp Hour Warm: 22.4 Energy Per Ramp Hour Hot: 0 should be greater than or equal to the previous Energy Per Ramp Hour Hot: 18.7
3	the applicable fields and click	Submission Result : Daily Display Data (DD File * Market Participant : Resource Name :	D)	Action Update	Message Energy Per Ramp Hour Warm: 0 should be greater than or equal to the previous Energy Per Ramp Hour Warm: 22.4 Energy Per Ramp Hour Hot: 0 should be greater than or equal to the previous Energy Per Ramp Hour Hot: 18.7
3	the applicable fields and click	Submission Result : Daily Display Data (DD File * Market Participant : Resource Name :	D)	Action Update Update Update	Message Energy Per Ramp Hour Warm: 0 should be greater than or equal to the previous Energy Per Ramp Hour Warm: 22.4 Energy Per Ramp Hour Hot: 0 should be greater than or equal to the previous Energy Per Ramp Hour Hot: 18.7 Field: Minimum Loading Point submission is Ignored, as DA window is in Mandatory State Field: Minimum Generation Block Run Time submission is Ignored, as DA window is in Mandatory State Energy Per Ramp Hour Cold: 0 should be greater than or equal to the previous Energy
3	the applicable fields and click	Submission Result : Daily Display Data (DD File * Market Participant : Resource Name :	D)	Action Update Update Update Update Update	Message Energy Per Ramp Hour Warm: 0 should be greater than or equal to the previous Energy Per Ramp Hour Warm: 22.4 Energy Per Ramp Hour Hot: 0 should be greater than or equal to the previous Energy Per Ramp Hour Hot: 18.7 Field: Minimum Loading Point submission is ignored, as DA window is in Mandatory State Field: Minimum Generation Block Run Time submission is ignored, as DA window is in Mandatory State
3	the applicable fields and click	Submission Result : Daily Display Data (DD File * Market Participant : Resource Name :	D) Code	Action Update Update Update Update Update	Message Energy Per Ramp Hour Warm: 0 should be greater than or equal to the previous Energy Per Ramp Hour Warm: 22.4 Energy Per Ramp Hour Vict: 0 should be greater than or equal to the previous Energy Per Ramp Hour Hot: 18.7 Field: Minimum Loading Point submission is ignored, as DA window is in Mandatory State Field: Minimum Generation Block Run Time submission is ignored, as DA window is in Mandatory State Energy Per Ramp Hour Cold: 0 should be greater than or equal to the previous Energy Per Ramp Hour Cold: 0 should be greater than or equal to the previous Energy Per Ramp Hour Cold: 23.3

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

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