Market Trials: Daily Dispatch Data in the Market Information Management (MIM) tool

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Introduction

This document outlines the test cases to be executed in Online IESO 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 Daily Dispatch Data in Market Information Management (MIM) is 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 Quick Take: Submission of Test Case Results and Defects in qTest on the Market Participant Testing web page.

Preconditions:

1. API account has access to the MIM Sandbox application and is able to connect to the MRP endpoint: https://webservices-sandboxmrp.ieso.ca/emim.

2. Dispatch data can be submitted using the following options: using the Market Participant's API tool and/or using the IESO's MWT Toolkit.

3. Connectivity to MIM using an API tool has been confirmed. Refer to the test case from Connectivity Testing, which is posted on the MRP webpage: https://www.ieso.ca/Market-Renewal/Market-Participant-Readiness/Market-Participant-Testing

4. Market Participants can send web service requests to MIM using their own API tool of choice.

5. Connectivity to MIM using MWT Toolkit has been confirmed. Refer to the test case from Connectivity Testing, which is posted on the MRP webpage: https://www.ieso.ca/Market-Renewal/Market-Participant-Readiness/Market-Participant-Testing

6. Daily Dispatch Data for the corresponding participant, delivery date, resource, and hour are present in the system.

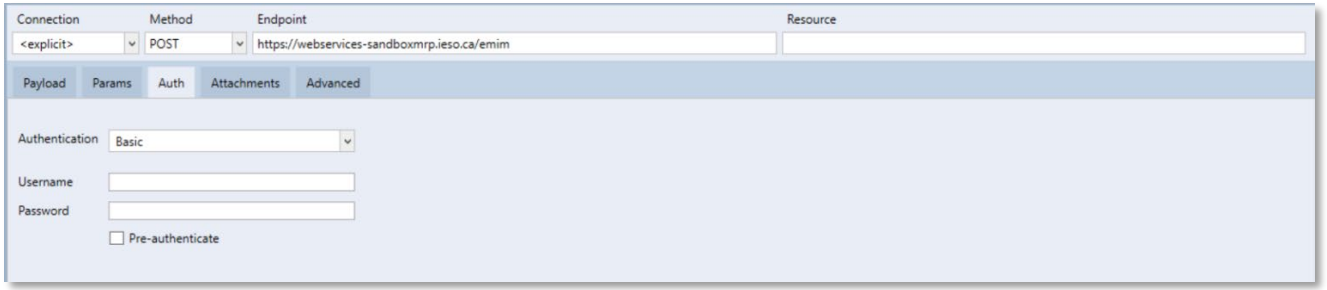
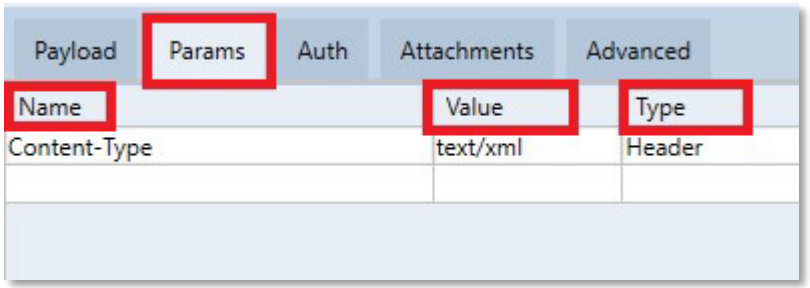
7. For Query and Cancel requests there must be existing data available in the system for the selected resource.

Notes: The API tool used in these test cases is Tosca's API Scan. Users may choose to test with this tool or any other web service tool of their choice.

Common Functional Steps

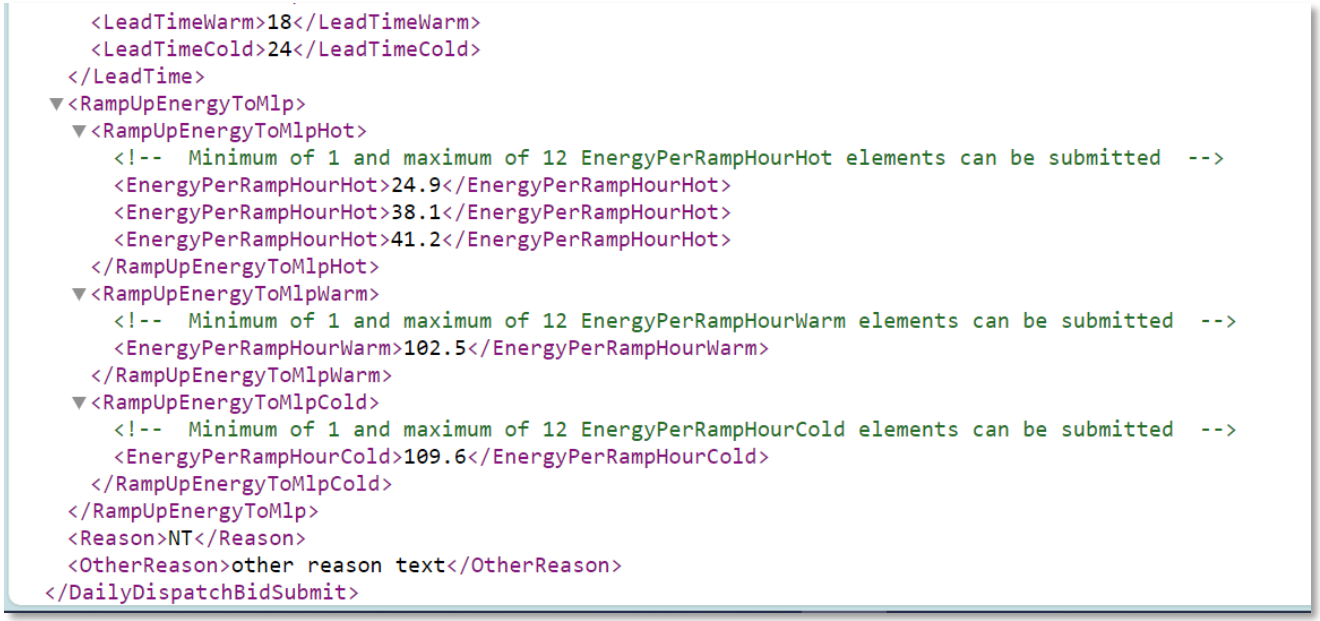
This section lists out the common functional steps when submitting Daily Dispatch Data in MIM. This section will be referenced in the following test cases.

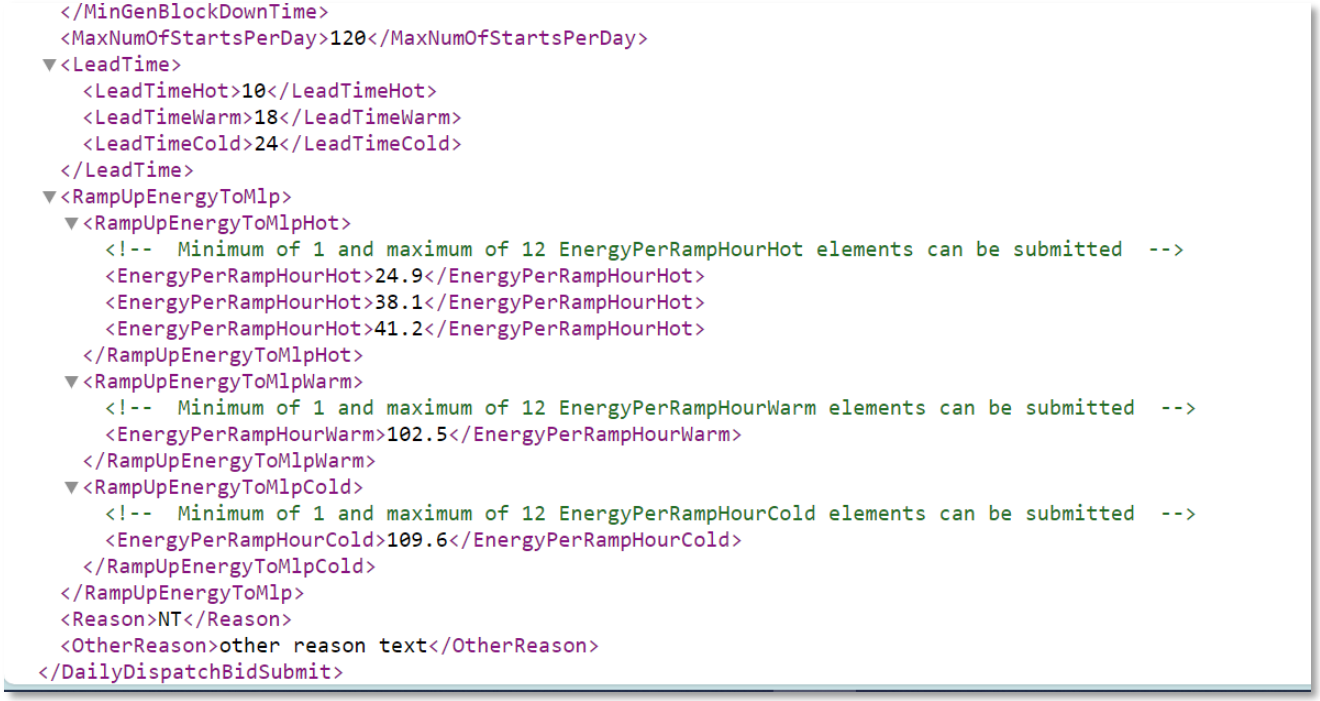
CFS-01: Submitting a Bid

Step	User Instruction	Expected Result
1	If using an API tool: Set the following configurations within the API Tool to connect: Method: POST Endpoint: https://webservices-sandboxmrp.ieso.ca/emim Authentication: Basic Username: [API username] Password: [API password] Enter the following details under "Params" section Name: Content-Type Value: text/xml Type: Header	Within Tosca's API Scan tool, the configurations would look as per attached image  

Step	User Instruction	Expected Result
2	If submitting a "Normal" type bid using either an API tool or MWT toolkit: Prepare a valid XML submission file with the required data fields populated to submit a Daily Dispatch Data (DDD) Non-Standing (Normal) bid for a specific resource.	XML submission file has been prepared successfully.

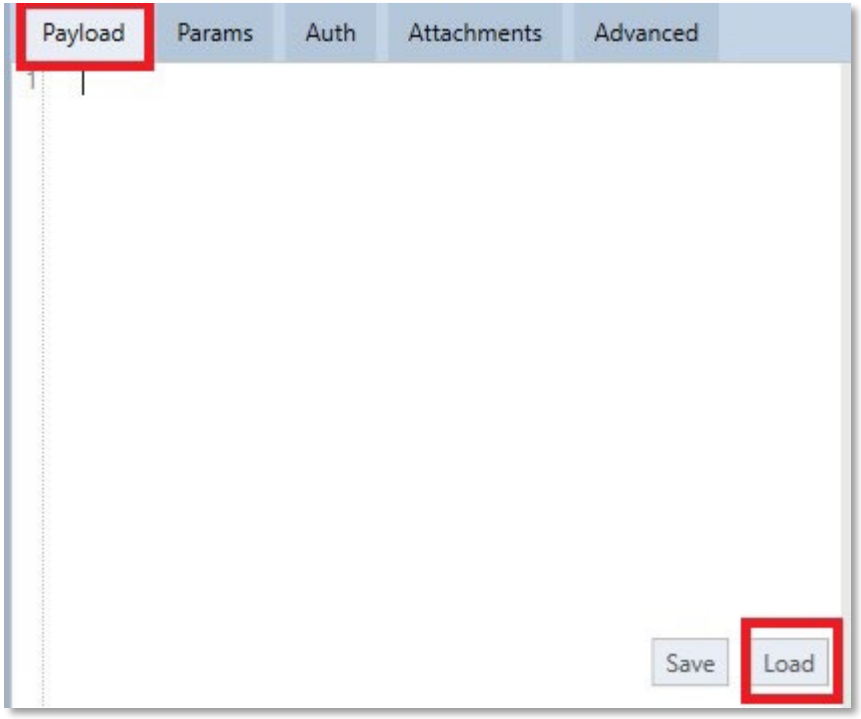
```
<DailyDispatchBidSubmit xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://webservices.ieso.ca/emim-types/"
 xsi:schemaLocation="http://webservices.ieso.ca/emim-types/ emim.xsd">
  <ActAsMarketParticipant>
    <Participant>PNAME</Participant>
    <User>UNAME</User>
  </ActAsMarketParticipant>
  <Date>
    <DeliveryDate>2023-01-01</DeliveryDate>
  </Date>
  <ResourceName>RNAME</ResourceName>
  <!--  Minimum of 1 and maximum of 5 ForbiddenRegion elements can be submitted  -->
  <ForbiddenRegion>
    <LowerBound>10.9</LowerBound>
    <UpperBound>50.9</UpperBound>
  </ForbiddenRegion>
  <ForbiddenRegion>
    <LowerBound>60.9</LowerBound>
    <UpperBound>90.9</UpperBound>
  </ForbiddenRegion>
  <SingleCycleMode>false</SingleCycleMode>
  <MinGenBlockRunTime>10</MinGenBlockRunTime>
  <!--  Minimum of 0 and maximum of 4 MinLoadingPoint elements can be submitted  -->
  <MinLoadingPoint>11.9</MinLoadingPoint>
  <MinLoadingPoint>23.9</MinLoadingPoint>
  <MinLoadingPoint>36.9</MinLoadingPoint>
  <MinLoadingPoint>84.9</MinLoadingPoint>
  <MinGenBlockDownTime>
    <MinGenBlockDownTimeHot>10</MinGenBlockDownTimeHot>
    <MinGenBlockDownTimeWarm>27</MinGenBlockDownTimeWarm>
    <MinGenBlockDownTimeCold>41</MinGenBlockDownTimeCold>
  </MinGenBlockDownTime>
  <MaxNumOfStartsPerDay>120</MaxNumOfStartsPerDay>
  <LeadTime>
    <LeadTimeHot>10</LeadTimeHot>
```

Step	User Instruction	Expected Result
		
3	If submitting a "Standing" type bid using either an API tool or IESO's MWT toolkit: Prepare a valid XML submission file with the required data fields populated to submit a Daily Dispatch Data (DDD)	XML submission file has been prepared successfully.

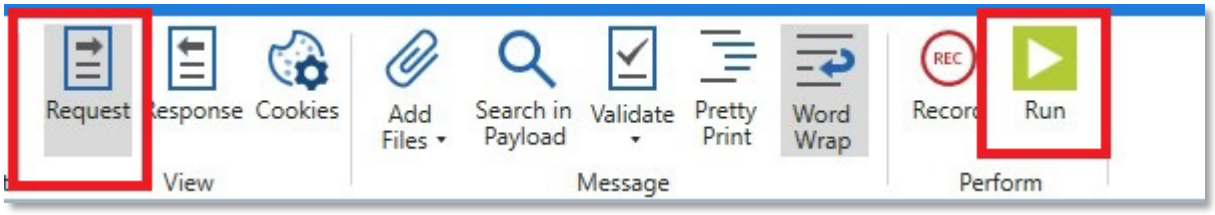
Step	User Instruction	Expected Result
	Standing bid for a specific resource.	
4	Submit the XML file that has been prepared using MWT toolkit or through the API tool.	If using an API tool, load the XML file into the payload section.

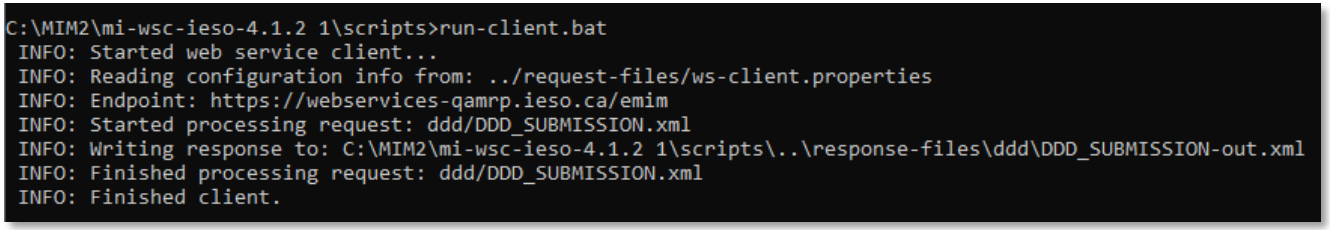
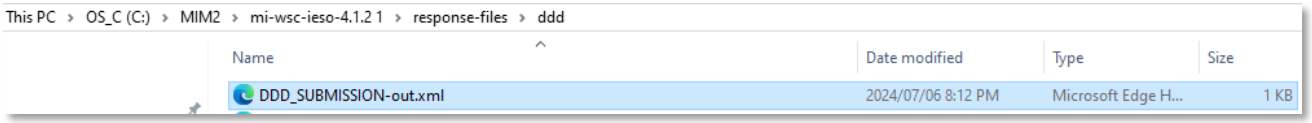
```
  </MinGenBlockDownTime>
  <MaxNumOfStartsPerDay>120</MaxNumOfStartsPerDay>
 ▼<LeadTime>
    <LeadTimeHot>10</LeadTimeHot>
    <LeadTimeWarm>18</LeadTimeWarm>
    <LeadTimeCold>24</LeadTimeCold>
  </LeadTime>
 ▼<RampUpEnergyToMlp>
  ▼<RampUpEnergyToMlpHot>
      <!--  Minimum of 1 and maximum of 12 EnergyPerRampHourHot elements can be submitted  -->
      <EnergyPerRampHourHot>24.9</EnergyPerRampHourHot>
      <EnergyPerRampHourHot>38.1</EnergyPerRampHourHot>
      <EnergyPerRampHourHot>41.2</EnergyPerRampHourHot>
    </RampUpEnergyToMlpHot>
  ▼<RampUpEnergyToMlpWarm>
      <!--  Minimum of 1 and maximum of 12 EnergyPerRampHourWarm elements can be submitted  -->
      <EnergyPerRampHourWarm>102.5</EnergyPerRampHourWarm>
    </RampUpEnergyToMlpWarm>
  ▼<RampUpEnergyToMlpCold>
      <!--  Minimum of 1 and maximum of 12 EnergyPerRampHourCold elements can be submitted  -->
      <EnergyPerRampHourCold>109.6</EnergyPerRampHourCold>
    </RampUpEnergyToMlpCold>
  </RampUpEnergyToMlp>
  <Reason>NT</Reason>
  <OtherReason>other reason text</OtherReason>
</DailyDispatchBidSubmit>
```

Step	User Instruction	Expected Result

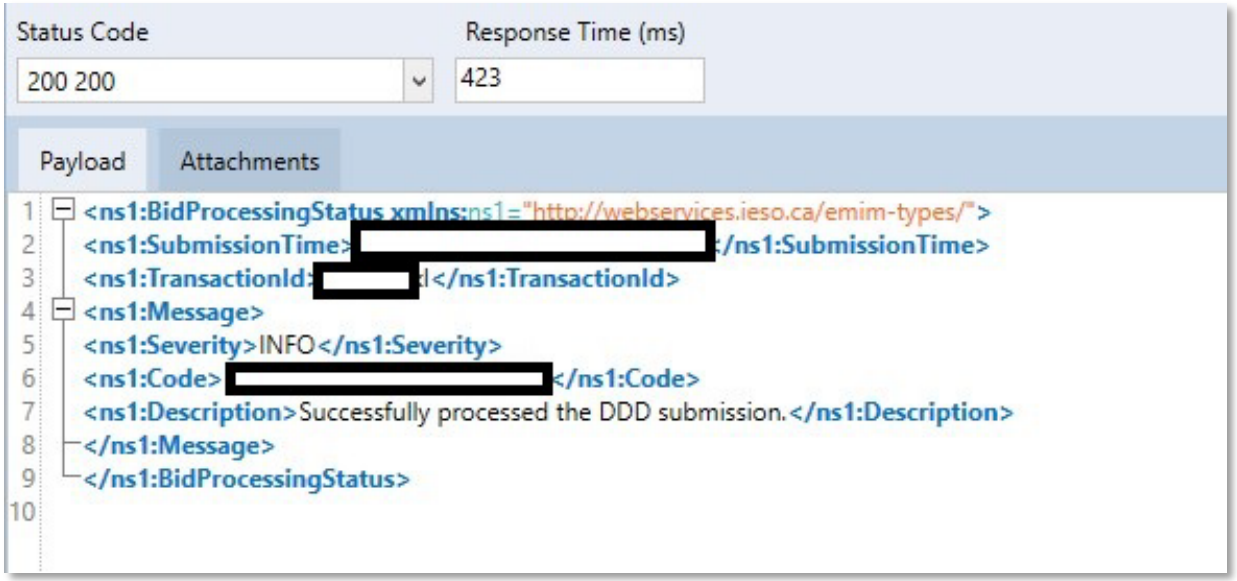


Run the request by clicking Run within the API tool.

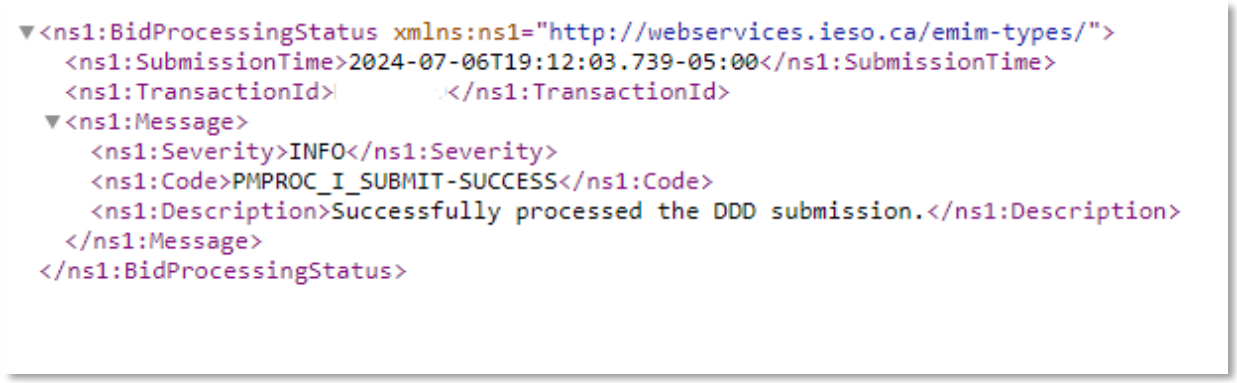


Step	User Instruction	Expected Result
		If using the MWT Toolkit, submission of dispatch data is successful, and response or output file has been generated successfully.  
5	Verify that the response file (output) contains a successful message.	Output file should contain text that indicates the Daily Dispatch Data submission was successful. For API tool:

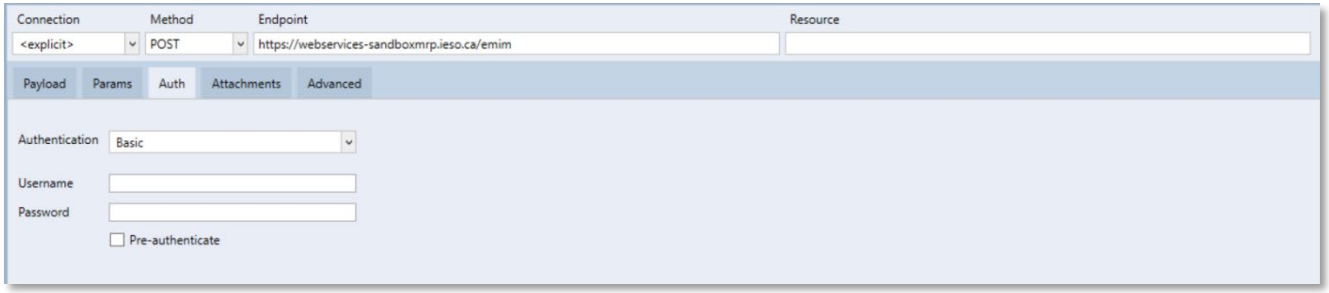
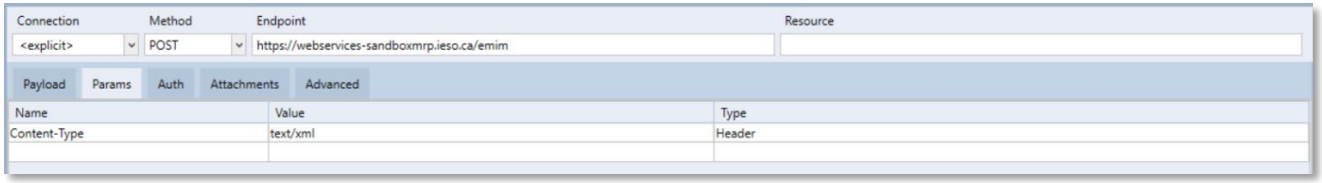
Step	User Instruction	Expected Result



For MWT tool:



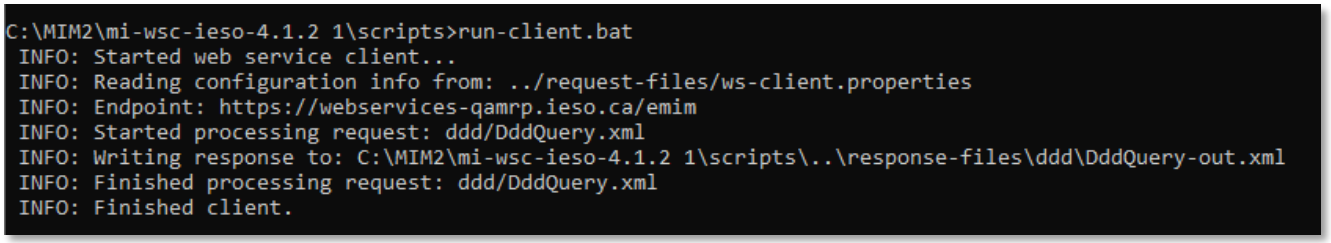
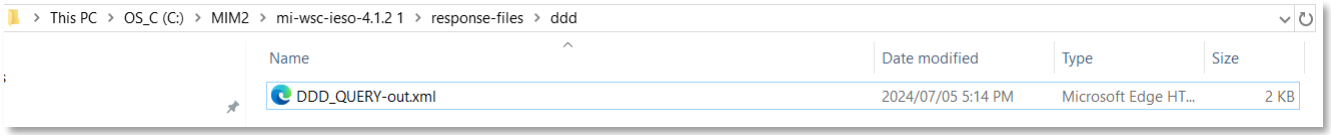
CFS-02: Query Bid data

Step	User Instruction	Expected Result
1	If using an API Tool: Set the following configurations within the API Tool to connect: Method: POST Endpoint: https://webservices-sandboxmrp.ieso.ca/emim Authentication: Basic Username: [API username] Password: [API password] Enter the following details under "Params" section Name: Content-Type Value: text/xml Type: Header	Within Tosca's API Scan tool, the configurations would look as per attached image  

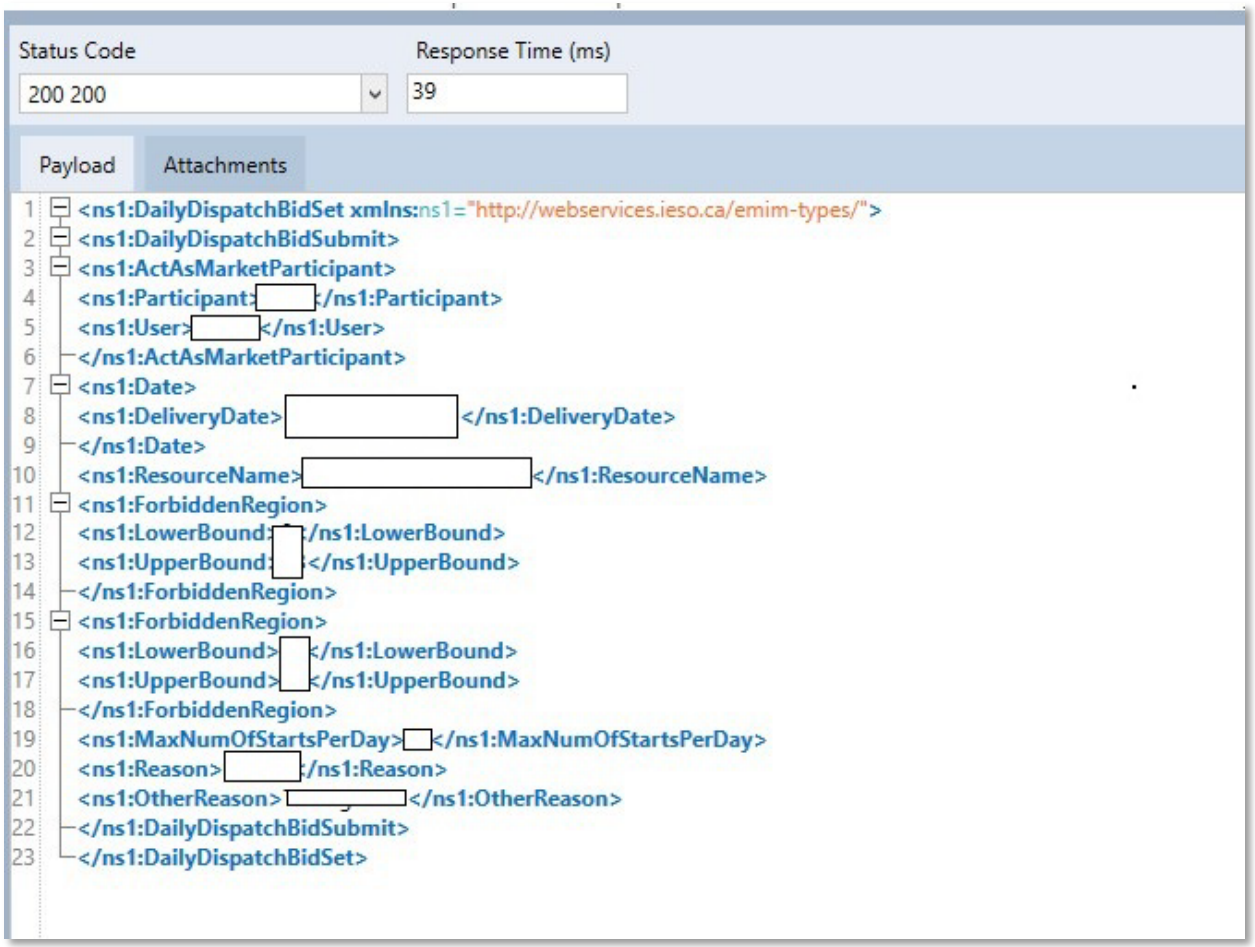
Step	User Instruction	Expected Result

2	For a "Normal" bid type and if using either an API tool or MWT toolkit:
	
	Prepare a valid query XML file to query Daily Dispatch bid data for a Non-Standing (Normal) bid that was submitted for a resource.
		XML query filehas been prepared successfully
		
		`<DailyDispatchBidQuery xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://webservices.ieso.ca/emim-types/" xsi:schemaLocation="http://webservices.ieso.ca/emim-types/ emim.xsd">`
		`<ActAsMarketParticipant>`
		`<Participant>PNAME</Participant>`
		`<User>UNAME</User>`
		`</ActAsMarketParticipant>`
		`<Date>`
		`<DeliveryDate>2023-01-01</DeliveryDate>`
		`</Date>`
		`<ResourceName>RNAME</ResourceName>`
		`</DailyDispatchBidQuery>`

3	For a "Standing" bid type and if using either an API tool or MWT toolkit:
	
	Prepare a valid XML query file to query the Daily Dispatch Data for a Standing bid that was submitted for a resource.
		XML query file has been prepared successfully.
		
		`<DailyDispatchBidQuery xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://webservices.ieso.ca/emim-types/" xsi:schemaLocation="http://webservices.ieso.ca/emim-types/ emim.xsd">`
		`<ActAsMarketParticipant>`
		`<Participant>PNAME</Participant>`
		`<User>UNAME</User>`
		`</ActAsMarketParticipant>`
		`<Date>`
		`<Standing>`
		`<DayOfWeek>ALL</DayOfWeek>`
		`</Standing>`
		`</Date>`
		`<ResourceName>RNAME</ResourceName>`
		`</DailyDispatchBidQuery>`

Step	User Instruction	Expected Result
4	Submit the XML query file for Daily Dispatch Data using MWT toolkit or submit the XML file through the API tool. Note: Market Participants may use MWT Toolkit or use their own API tool of choice to submit data to MIM. Refer to the list of preconditions.	Submission is successful, and a response file (output) is generated.  
5	Verify that the response file (output) contains the queried data.	The output file contains the queried data for the selected resource. For API Tool:

Step	User Instruction	Expected Result



For MWT Tool (if it is for a "Normal" Bid type):

Step	User Instruction	Expected Result

```
<ns1:DailyDispatchBidSet xmlns:ns1="http://webservices.ieso.ca/emim-types/">
  <ns1:DailyDispatchBidSubmit>
    <ns1:ActAsMarketParticipant>
      <ns1:Participant>PNAME</ns1:Participant>
      <ns1:User>UNAME</ns1:User>
    </ns1:ActAsMarketParticipant>
    <ns1:Date>
      <ns1:DeliveryDate>2024-07-06-05:00</ns1:DeliveryDate>
    </ns1:Date>
    <ns1:ResourceName>RNAME</ns1:ResourceName>
    <ns1:MinGenBlockRunTime>4</ns1:MinGenBlockRunTime>
    <ns1:MinLoadingPoint>230</ns1:MinLoadingPoint>
    <ns1:MinGenBlockDownTime>
      <ns1:MinGenBlockDownTimeHot>6</ns1:MinGenBlockDownTimeHot>
      <ns1:MinGenBlockDownTimeWarm>9</ns1:MinGenBlockDownTimeWarm>
      <ns1:MinGenBlockDownTimeCold>12</ns1:MinGenBlockDownTimeCold>
    </ns1:MinGenBlockDownTime>
    <ns1:MaxNumOfStartsPerDay>2</ns1:MaxNumOfStartsPerDay>
    <ns1:LeadTime>
      <ns1:LeadTimeHot>5</ns1:LeadTimeHot>
      <ns1:LeadTimeWarm>7</ns1:LeadTimeWarm>
      <ns1:LeadTimeCold>10</ns1:LeadTimeCold>
    </ns1:LeadTime>
    <ns1:RampUpEnergyToMlp>
      <ns1:RampUpEnergyToMlpHot>
        <ns1:EnergyPerRampHourHot>57.5</ns1:EnergyPerRampHourHot>
        <ns1:EnergyPerRampHourHot>115</ns1:EnergyPerRampHourHot>
        <ns1:EnergyPerRampHourHot>172.5</ns1:EnergyPerRampHourHot>
      </ns1:RampUpEnergyToMlpHot>
      <ns1:RampUpEnergyToMlpWarm>
        <ns1:EnergyPerRampHourWarm>46</ns1:EnergyPerRampHourWarm>
        <ns1:EnergyPerRampHourWarm>92</ns1:EnergyPerRampHourWarm>
        <ns1:EnergyPerRampHourWarm>138</ns1:EnergyPerRampHourWarm>
        <ns1:EnergyPerRampHourWarm>184</ns1:EnergyPerRampHourWarm>
      </ns1:RampUpEnergyToMlpWarm>
      <ns1:RampUpEnergyToMlpCold>
        <ns1:EnergyPerRampHourCold>32.9</ns1:EnergyPerRampHourCold>
        <ns1:EnergyPerRampHourCold>65.7</ns1:EnergyPerRampHourCold>
        <ns1:EnergyPerRampHourCold>98.6</ns1:EnergyPerRampHourCold>
        <ns1:EnergyPerRampHourCold>131.4</ns1:EnergyPerRampHourCold>
        <ns1:EnergyPerRampHourCold>164.3</ns1:EnergyPerRampHourCold>
        <ns1:EnergyPerRampHourCold>197.1</ns1:EnergyPerRampHourCold>
      </ns1:RampUpEnergyToMlpCold>
    </ns1:RampUpEnergyToMlp>
    <ns1:Reason>OTHER</ns1:Reason>
    <ns1:OtherReason>NORMAL_DATA</ns1:OtherReason>
  </ns1:DailyDispatchBidSubmit>
</ns1:DailyDispatchBidSet>
```

Step	User Instruction	Expected Result

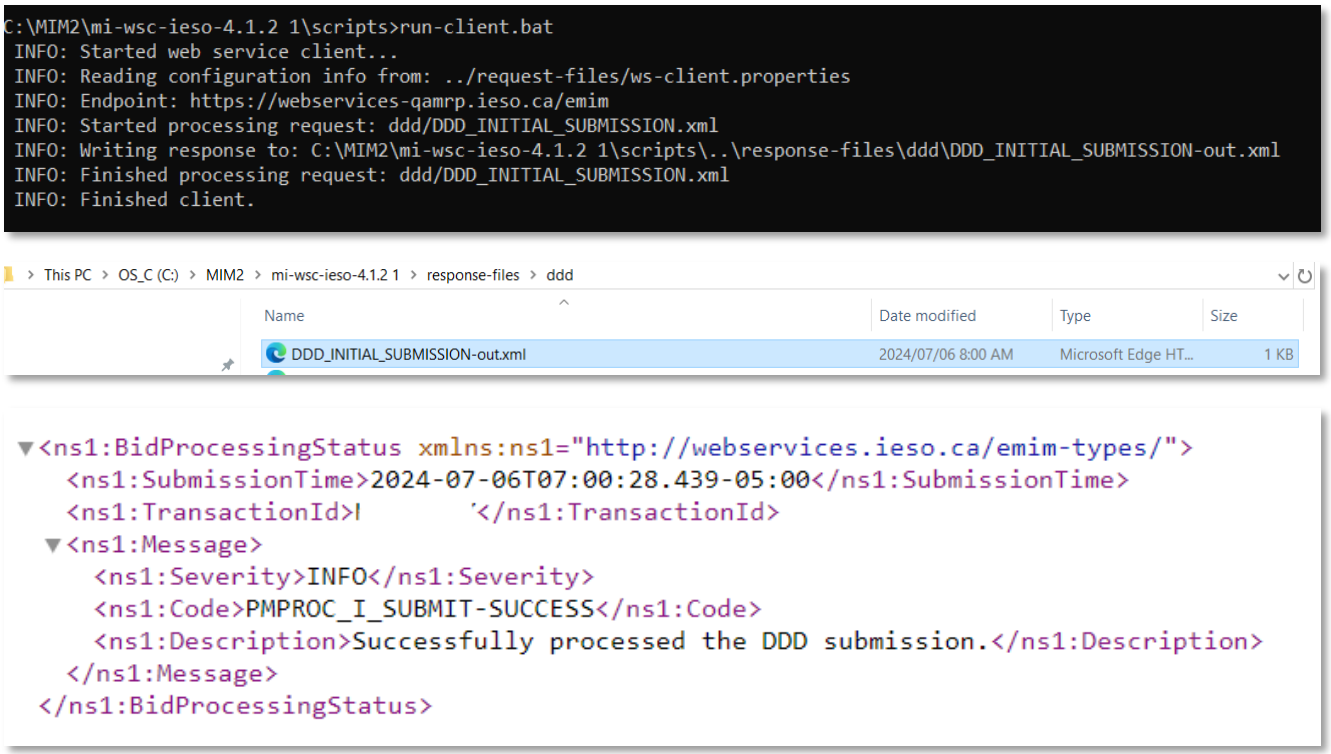
For MWT Tool (for a "Standing" bid type):

```
<ns1:DailyDispatchBidSet xmlns:ns1="http://webservices.ieso.ca/emim-types/">
  <ns1:DailyDispatchBidSubmit>
    <ns1:ActAsMarketParticipant>
      <ns1:Participant>PNAME</ns1:Participant>
      <ns1:User>UNAME</ns1:User>
    </ns1:ActAsMarketParticipant>
    <ns1:Date>
      <ns1:Standing>
        <ns1:DayOfWeek>ALL</ns1:DayOfWeek>
        <ns1:ExpiryDate>5000-01-01-05:00</ns1:ExpiryDate>
      </ns1:Standing>
    </ns1:Date>
    <ns1:ResourceName>RNAME</ns1:ResourceName>
    <ns1:MinGenBlockRunTime>3</ns1:MinGenBlockRunTime>
    <ns1:MinLoadingPoint>28</ns1:MinLoadingPoint>
    <ns1:MinGenBlockDownTime>
      <ns1:MinGenBlockDownTimeHot>1</ns1:MinGenBlockDownTimeHot>
      <ns1:MinGenBlockDownTimeWarm>8</ns1:MinGenBlockDownTimeWarm>
      <ns1:MinGenBlockDownTimeCold>12</ns1:MinGenBlockDownTimeCold>
    </ns1:MinGenBlockDownTime>
    <ns1:MaxNumOfStartsPerDay>2</ns1:MaxNumOfStartsPerDay>
    <ns1:LeadTime>
      <ns1:LeadTimeHot>1</ns1:LeadTimeHot>
      <ns1:LeadTimeWarm>1</ns1:LeadTimeWarm>
      <ns1:LeadTimeCold>1</ns1:LeadTimeCold>
    </ns1:LeadTime>
    <ns1:RampUpEnergyToMlp>
      <ns1:RampUpEnergyToMlpHot>
        <ns1:EnergyPerRampHourHot>4.2</ns1:EnergyPerRampHourHot>
      </ns1:RampUpEnergyToMlpHot>
      <ns1:RampUpEnergyToMlpWarm>
        <ns1:EnergyPerRampHourWarm>4.2</ns1:EnergyPerRampHourWarm>
      </ns1:RampUpEnergyToMlpWarm>
      <ns1:RampUpEnergyToMlpCold>
        <ns1:EnergyPerRampHourCold>4.2</ns1:EnergyPerRampHourCold>
      </ns1:RampUpEnergyToMlpCold>
    </ns1:RampUpEnergyToMlp>
    <ns1:Reason>T</ns1:Reason>
    <ns1:OtherReason>STANDING-DATA</ns1:OtherReason>
  </ns1:DailyDispatchBidSubmit>
</ns1:DailyDispatchBidSet>
```

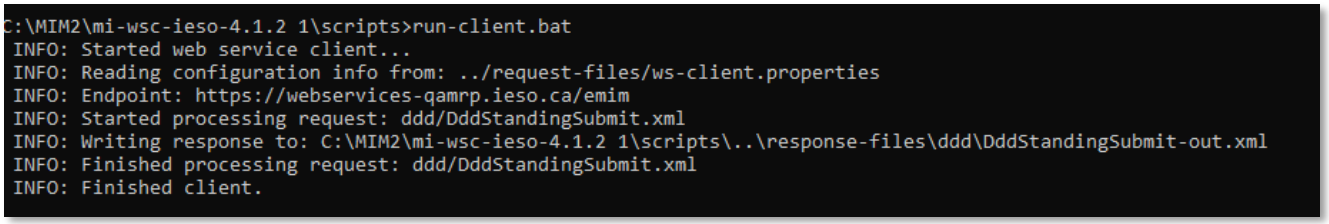
Test Cases

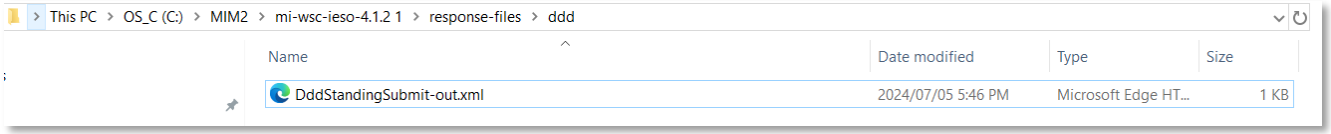
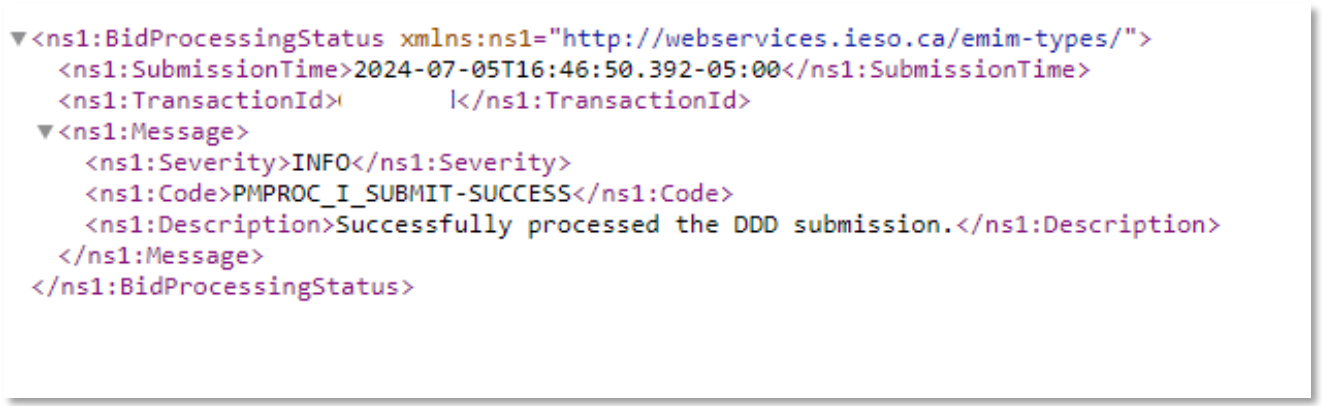
TC01: Verify Daily Dispatch Data (DDD) Non-Standing (Normal) Bid data can be submitted successfully for a resource

Step	User Instruction	Expected Result
1	Execute Step 2 from CFS-01 from the Common Functional Steps section.	
2	Submit the XML file that has been prepared to send Daily Dispatch Data (DDD) to MIM using MWT toolkit or submit the XML file through API tool during the DA_INITIAL window. Note: Market Participants may use MWT Toolkit or use their own API tool of choice to submit data to MIM.	Submission of dispatch data is successful, and response or output file has been generated successfully.

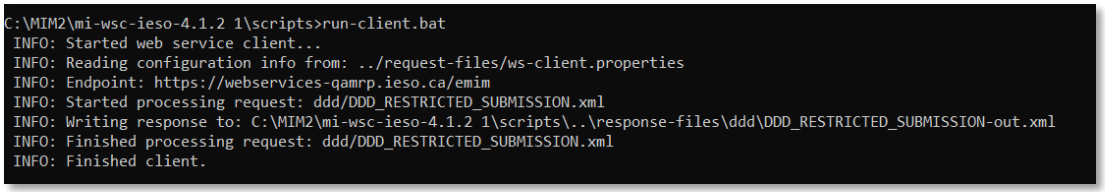
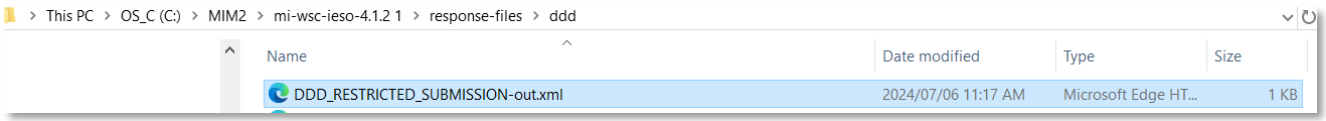
Step	User Instruction	Expected Result
	Refer to the list of preconditions.	
3	Execute Step 5 from CFS-01 from the Common Functional Steps section.	

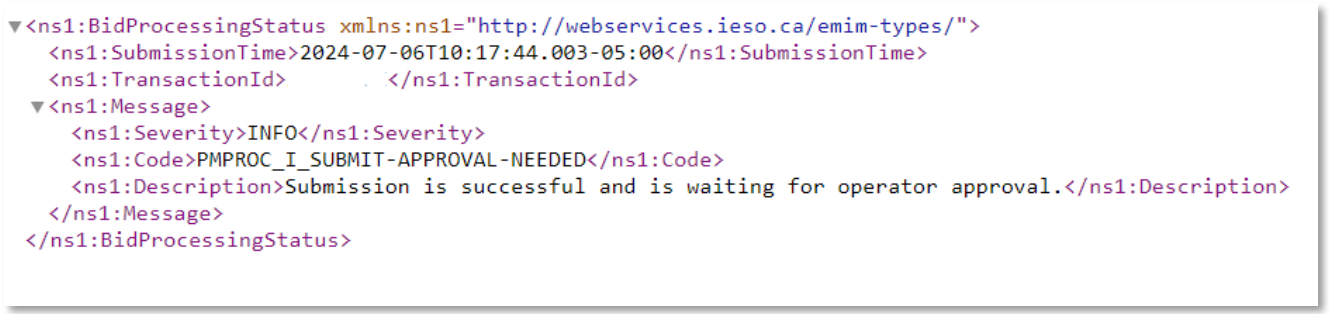
TC02: Verify Daily Dispatch Data Standing Bid data can be submitted successfully for a resource

Step	User Instruction	Expected Result
1	Execute Step 3 from CFS-01 from the Common Functional Steps section.	
2	Submit the XML file that has been prepared to send Daily Dispatch Data (DDD) to MIM using MWT Toolkit or submit the XML file through API tool during the DA_INITIAL window. Note: Market Participants may use MWT Toolkit or use their own API tool of choice to submit data to MIM. Refer to the list of preconditions.	Submission of dispatch data is successful, and response or output file has been generated successfully. 

Step	User Instruction	Expected Result
		 
3	Execute Step 5 from CFS-01 from the Common Functional Steps section.	

TC03: Submission of Daily Dispatch Data in DA_RESTRICTED window: If DA window for the specified delivery date is in the DA_RESTRICTED state and there is a change in any of the values, then the submission is subject to operator approval

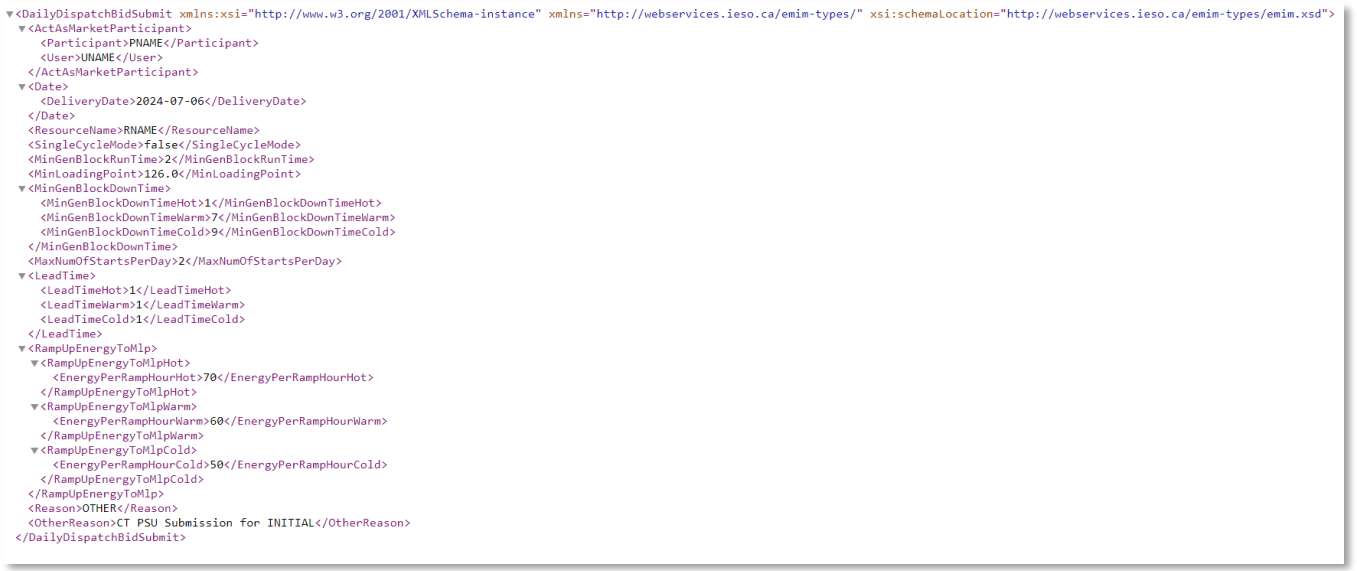
Step	User Instruction	Expected Result
1	Prepare a valid XML submission file with the required data fields populated to submit Daily Dispatch Data for a selected resource.	XML submission file has been prepared successfully.
2	Submit the XML file that has been prepared to send Daily Dispatch Data (DDD) to MIM using MWT Toolkit or submit the XML file through API tool during the DA_INITIALwindow. The value for the 'Delivery Date' for the Day-Ahead Market (DAM) should be in the Daily Initial Window. Note: Market Participants may use MWT Toolkit or use their own API tool of choice to submit data to MIM.	Submission is successful, and response or output file has been generated successfully.  

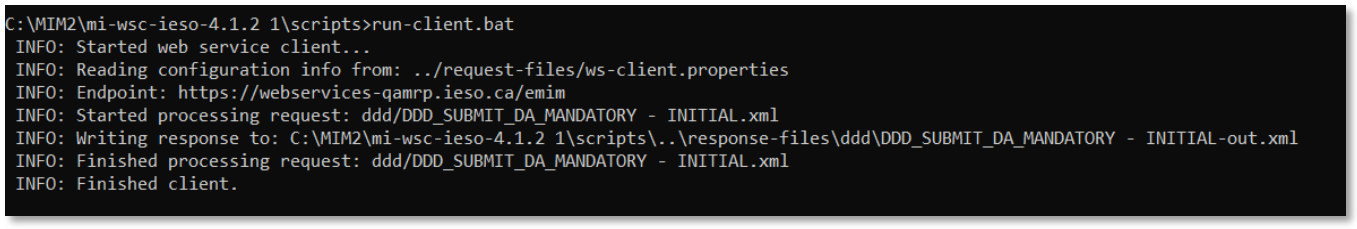
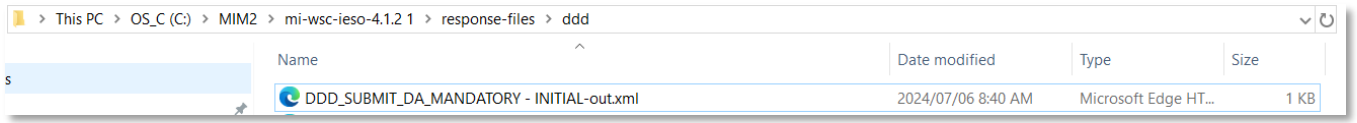
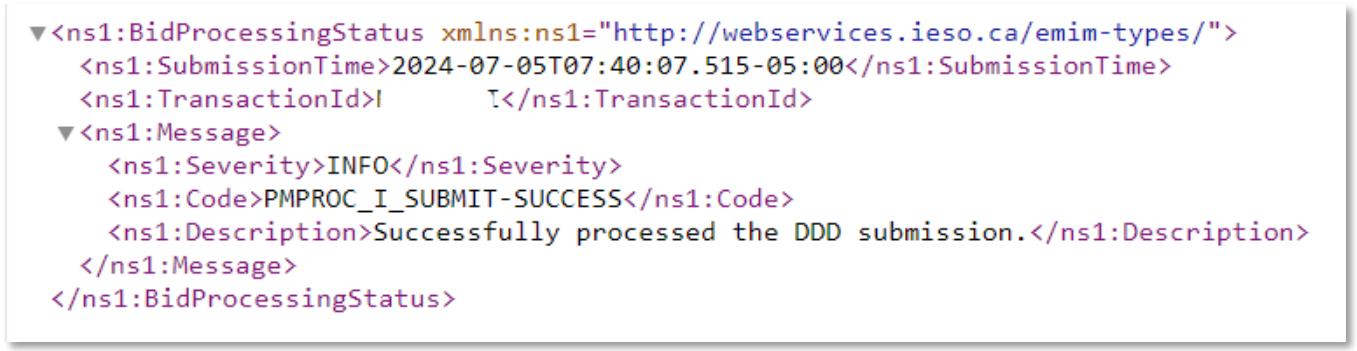
Step	User Instruction	Expected Result
	Refer to the list of preconditions.	
3	Verify that the response file (output) contains a successful message.	The output file contains text that indicates the Daily Dispatch Data submission was successfully processed. It does not contain any Operator Approval message.
4	Submit the same file from step 2 with a change in any of the data fields. When the submitting the 'Delivery Date' for the DAM, the value should be in the Daily Restricted Window (DA_Restricted). The file can be submitted using MWT Toolkit or API tool of choice	Modified XML file was submitted successfully.

Step	User Instruction	Expected Result
5	Verify that the response file (output) contains a successful message.	The output file contains the following message, "Submission is successful and is waiting for operator approval."

TC04: Submission of Daily dispatch Data in 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 then the submission is subject to operator approval

Step	User Instruction	Expected Result
1	Prepare a valid submission XML file with required data fields to submit Daily Dispatch Data for the CT PSU resource	XML submission file should be prepared successfully

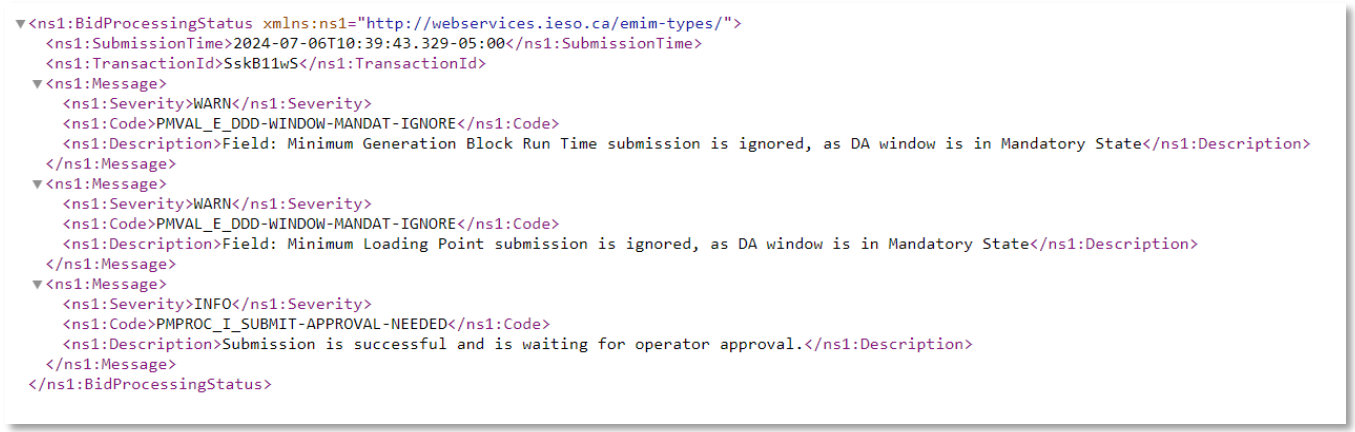
Step	User Instruction	Expected Result
		
2	Submit the XML file that has been prepared to send Daily Dispatch Data (DDD) to MIM using MWT Toolkit or submit the XML file through API tool during the DA_INITIAL window. Ensure that the DA window for the specified 'Delivery Date' is in the Daily Initial Window.	Submission of dispatch data is successful, and response or output file has been generated successfully.

Step	User Instruction	Expected Result
	Note: Market Participants may use MWT Toolkit or use their own API tool of choice to submit data to MIM. Refer to the list of preconditions.	  
3	Verify that the response file (output) contains a successful message.	The output file contains text that indicates the Daily Dispatch Data submission was successfully processed. It does not contain any Operator Approval message.
4	Re-submit the file with a change in the single cycle mode value using	The modified XM file is submitted.

Step	User Instruction	Expected Result
	MWT Toolkit or submit the XML file through an API tool where the DA window for the specified 'Delivery Date' is in Daily Mandatory Window (DA_Mandatory).	

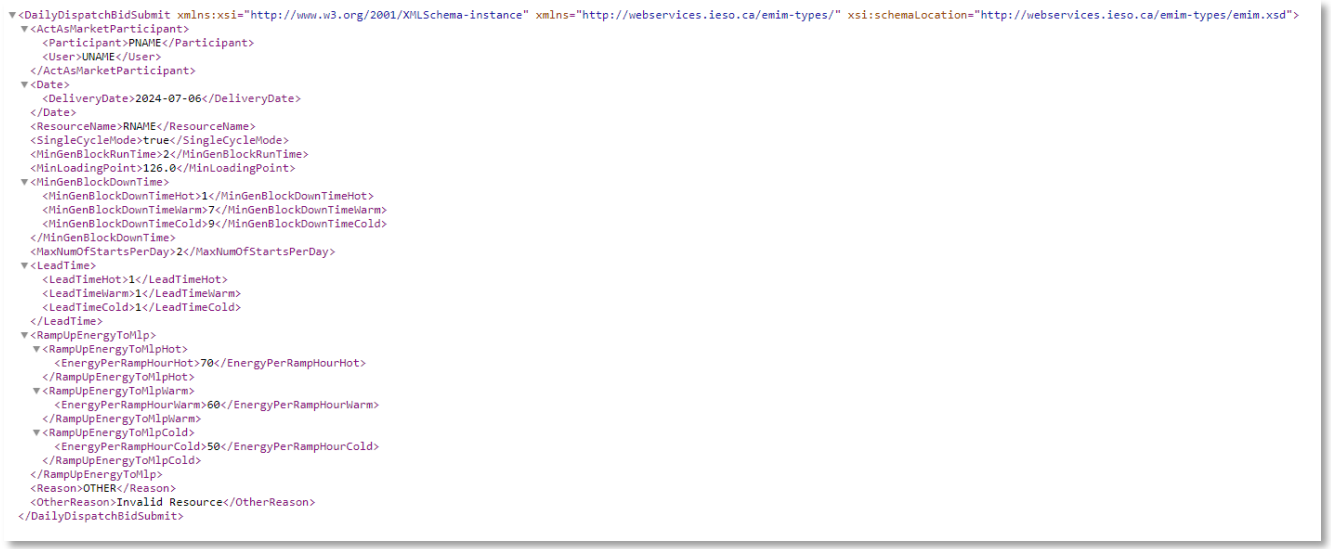
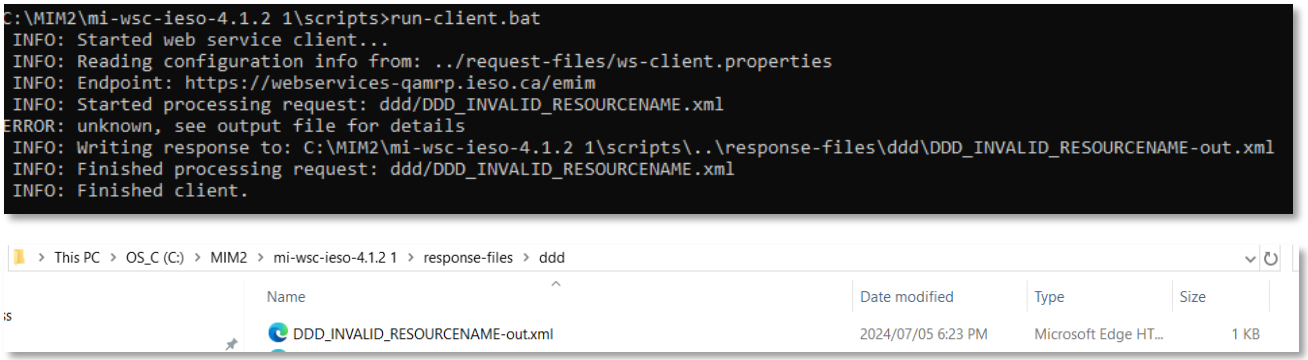
```
<DailyDispatchBidSubmit xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://webservices.ieso.ca/emim-types/" xsi:schemaLocation="http://webservices.ieso.ca/emim-types/emim.xsd">
  <ActAsMarketParticipant>
    <Participant>PNAME</Participant>
    <User>UNAME</User>
  </ActAsMarketParticipant>
  <Date>
    <DeliveryDate>2024-07-06</DeliveryDate>
  </Date>
  <ResourceName>RNAME</ResourceName>
  <SingleCycleMode>true</SingleCycleMode>
  <MinGenBlockRunTime>2</MinGenBlockRunTime>
  <MinLoadingPoint>126.0</MinLoadingPoint>
  <MinGenBlockDownTime>
    <MinGenBlockDownTimeHot>1</MinGenBlockDownTimeHot>
    <MinGenBlockDownTimeWarm>7</MinGenBlockDownTimeWarm>
    <MinGenBlockDownTimeCold>9</MinGenBlockDownTimeCold>
  </MinGenBlockDownTime>
  <MaxNumOfStartsPerDay>2</MaxNumOfStartsPerDay>
  <LeadTime>
    <LeadTimeHot>1</LeadTimeHot>
    <LeadTimeWarm>1</LeadTimeWarm>
    <LeadTimeCold>1</LeadTimeCold>
  </LeadTime>
  <RampUpEnergyToMlp>
    <RampUpEnergyToMlpHot>
      <EnergyPerRampHourHot>70</EnergyPerRampHourHot>
    </RampUpEnergyToMlpHot>
    <RampUpEnergyToMlpWarm>
      <EnergyPerRampHourWarm>60</EnergyPerRampHourWarm>
    </RampUpEnergyToMlpWarm>
    <RampUpEnergyToMlpCold>
      <EnergyPerRampHourCold>50</EnergyPerRampHourCold>
    </RampUpEnergyToMlpCold>
  </RampUpEnergyToMlp>
  <Reason>OTHER</Reason>
  <OtherReason>CT PSU for DA Mandatory Window</OtherReason>
</DailyDispatchBidSubmit>
```

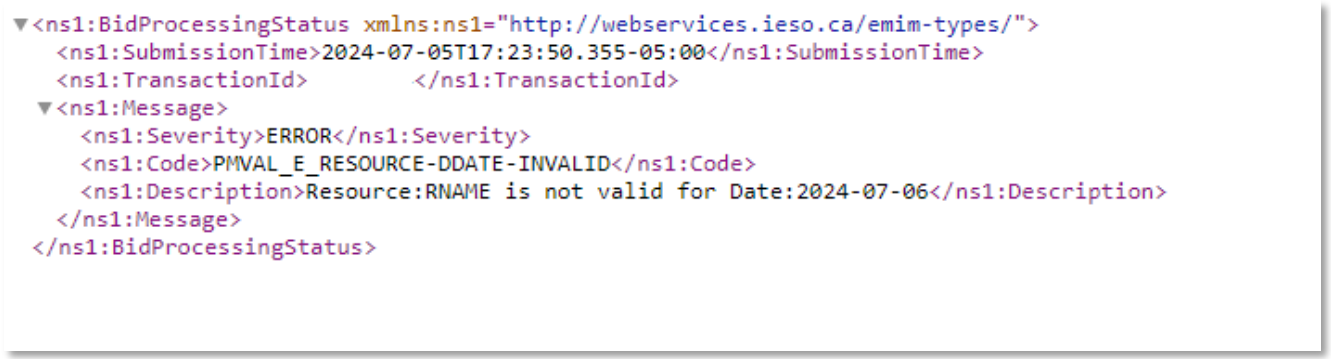
```
C:\MIM2\mi-wsc-ieso-4.1.2 1\scripts>run-client.bat
 INFO: Started web service client...
 INFO: Reading configuration info from: ../request-files/ws-client.properties
 INFO: Endpoint: https://webservices-qamrp.ieso.ca/emim
 INFO: Started processing request: ddd/DDD_SUBMIT_DA_MANDATORY.xml
 INFO: Writing response to: C:\MIM2\mi-wsc-ieso-4.1.2 1\scripts\..\response-files\ddd\DDD_SUBMIT_DA_MANDATORY-out.xml
 INFO: Finished processing request: ddd/DDD_SUBMIT_DA_MANDATORY.xml
 INFO: Finished client.
```

Step	User Instruction	Expected Result
5	Verify that the response file (output) contains a successful message.	The output file contains the following message, "Submission is successful and is waiting for operator approval." 

TC05: Verify that an error response is received when the Daily Dispatch Data submission request contains an invalid resource name

Step	User Instruction	Expected Result
1	Prepare an XML submission file for Daily Dispatch Data with an invalid resource name.	XML submission file has been prepared successfully.

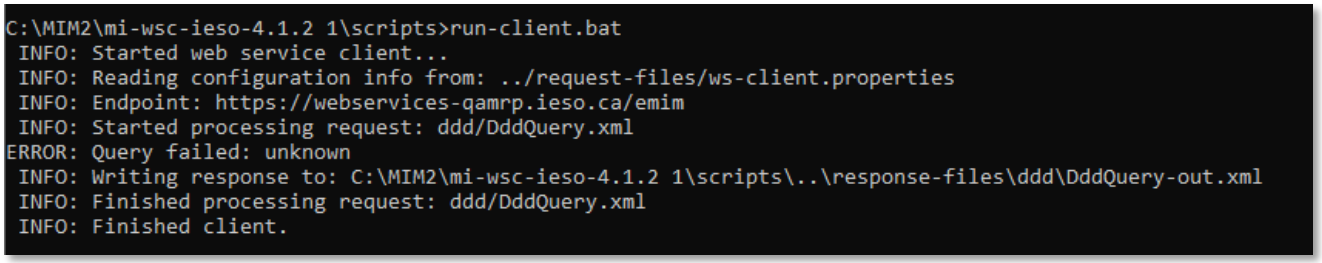
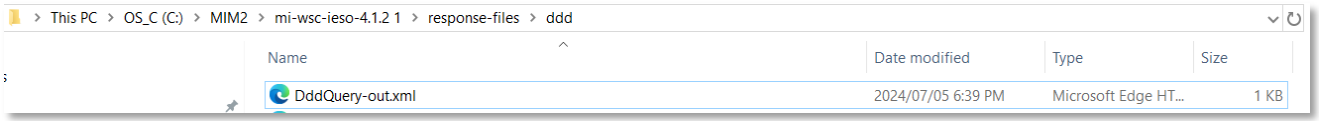
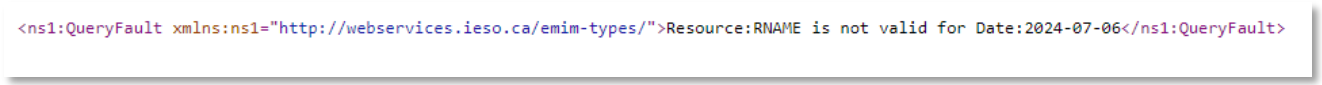
Step	User Instruction	Expected Result
		
2	Submit the prepared Daily Dispatch Data XML file with an invalid resource name to MIM using MWT Toolkit or submit the XML file through API tool during the DA_INITIAL window. Note: Market Participants may use MWT Toolkit or use their own API tool of choice	Submission is unsuccessful, and a response file (output) is generated 

Step	User Instruction	Expected Result
	to submit data to MIM. Refer to the list of preconditions.	
3	Verify that the response file (output) contains an error message.	The output file contains an error message about the invalid resource name "Resource:<Invalid Resource Name> is not valid for Date: <Delivery Date>" 

```
<ns1:BidProcessingStatus xmlns:ns1="http://webservices.ieso.ca/emim-types/">
  <ns1:SubmissionTime>2024-07-05T17:23:50.355-05:00</ns1:SubmissionTime>
  <ns1:TransactionId>        </ns1:TransactionId>
  <ns1:Message>
    <ns1:Severity>ERROR</ns1:Severity>
    <ns1:Code>PMVAL_E_RESOURCE-DDATE-INVALID</ns1:Code>
    <ns1:Description>Resource:RNAME is not valid for Date:2024-07-06</ns1:Description>
  </ns1:Message>
</ns1:BidProcessingStatus>
```

TC06: Verify that an error response is received when the Daily Dispatch Data is queried using an invalid resource name

Step	User Instruction	Expected Result
1	Prepare an XML query file for Daily Dispatch Data with an invalid resource name.	XML query file should be prepared successfully.

Step	User Instruction	Expected Result
		
2	Submit the XML query file containing an invalid resource name using MWT Toolkit or submit the XML file through API tool Note: Market Participants may use MWT Toolkit or use their own API tool of choice to submit data to MIM. Refer to the list of preconditions.	Submission is unsuccessful, and a response file (output) is generated  
3	Verify that the response file (output) contains an error message.	The output file contains an error message about the invalid resource name "Resource:<Invalid Resource Name> is not valid for Date: <Delivery Date>" 

TC07: Verify that Daily Dispatch Data (DDD) for a Non-Standing (Normal) Bid can be successfully queried for resource

Step	User Instruction	Expected Result
1	Execute Steps 2,4-5 from CFS-02 from the Common Functional Steps section.	

TC08: Verify that Daily Dispatch Data (DDD) for a Standing Bid can be successfully queried for a resource.

Step	User Instruction	Expected Result
1	Execute Step 3 from CFS-02 from the Common Functional Steps section.	
2	Submit the XML query file for Daily Dispatch Data (Standing Bid) using MWT Toolkit or submit the XML file through API tool. Note: Market Participants may use MWT Toolkit or use their	Submission is successful, and a response file (output) is generated.

Step	User Instruction	Expected Result
	own API tool of choice to submit data to MIM. Refer to the list of preconditions.	
3	Execute Step 5 from CFS-02 from the Common Functional Steps section.	

Additional Resources

- MRP Market Trials Test Plan
- Energy Market Interface/Market Information Management (MIM)
    - 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
- Test Cases for Connectivity Testing (.zip)
- 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: customer.relations@ieso.ca

ieso.ca

@IESO_Tweets
linkedin.com/company/IESO

ieso
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