

Submission of Test Case Results and Defects in qTest (Quick Take)

Issue 2, August 2024

This issue of Quick Takes provides an overview of how Market Participants can use qTest as their tool to monitor test progress and report defects when testing IESO applications. qTest will be used during all phases of Market Participant Testing: Connectivity Testing, Market Trials, and End-to-End Testing.

What is qTest

The IESO is using a web-based tool called “qTest” to manage and track testing progress of Market Participants as they test the changes to some of the IESO’s market systems. The IESO will use this tool to publish prescriptive test cases and expected results for each of the test phases, monitor Market Participant testing progress, assess and respond to issues and defects submitted by users, and enable re-testing efforts. qTest is not designed to track test results of any other non-IESO IT systems that a Market Participant may be using; that is the responsibility of the Participant’s internal teams. However, you can use qTest to document the results of your own exploratory testing of updated IESO systems.

Prerequisites for Use of qTest

The steps outlined in this Quick Take assume that the following tasks have already been completed by the Market Participant organization:

- Market Participants have reviewed the [webinar recording](#) on Market Participant Testing, which was held on October 20, 2023.
- The Rights Administrator or Applicant Representatives have created and confirmed that a Production IESO Gateway account exists for each one of their qTest users.
- Market Participants have submitted to the IESO a signed "*Form of Acknowledgment and Undertaking*" to gain access to qTest for their users.

Once the IESO has processed the qTest request from, the qTest tile should be visible in the IESO Gateway account of each qTest user. qTest users are notified via email once the account has been successfully created by the IESO.

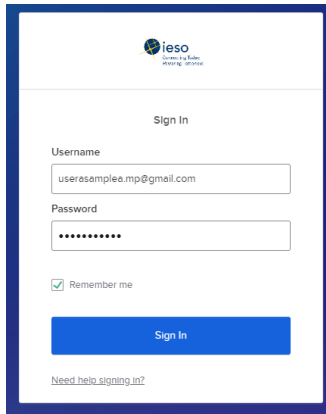
Users who are unable to get started with the instructions in this Quick Take, are advised to consult with their internal teams first to try to resolve any access issues first, before the organization's MRP Contact emails the IESO for assistance in resolving any of these prerequisite issues.

How to Access qTest

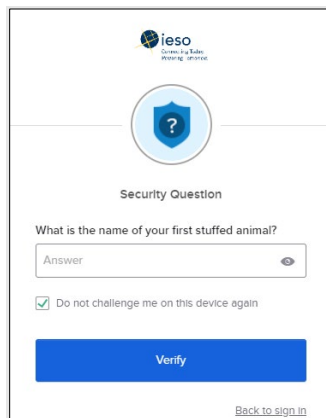
Step 1: Access your IESO Gateway account by clicking on the following link:

<https://gateway.ieso.ca/>

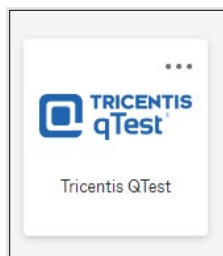
Step 2: Enter your username and password.

The screenshot shows the IESO Gateway Sign In page. At the top is the IESO logo with the tagline "Energy is a Public Interest". Below the logo is the "Sign In" heading. There are two input fields: "Username" with the example "user@example.mp@gmail.com" and "Password" with masked characters "*****". A "Remember me" checkbox is checked. A blue "Sign In" button is at the bottom. A link "Need help signing in?" is at the very bottom.

Step 3: Enter the answer to the security question and click on the **Verify** button.

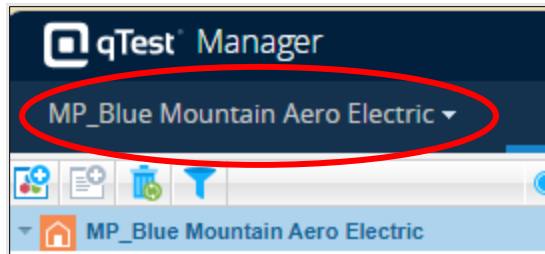
The screenshot shows the IESO Gateway Security Question page. At the top is the IESO logo. Below it is a blue shield icon with a white question mark. The heading "Security Question" is centered. The question "What is the name of your first stuffed animal?" is displayed. Below it is an "Answer" input field with a toggle icon. A "Do not challenge me on this device again" checkbox is checked. A blue "Verify" button is at the bottom. A link "Back to sign in" is at the very bottom.

Step 4: Click on the **qTest** tile. The qTest application should open to its main home screen, ready for use.

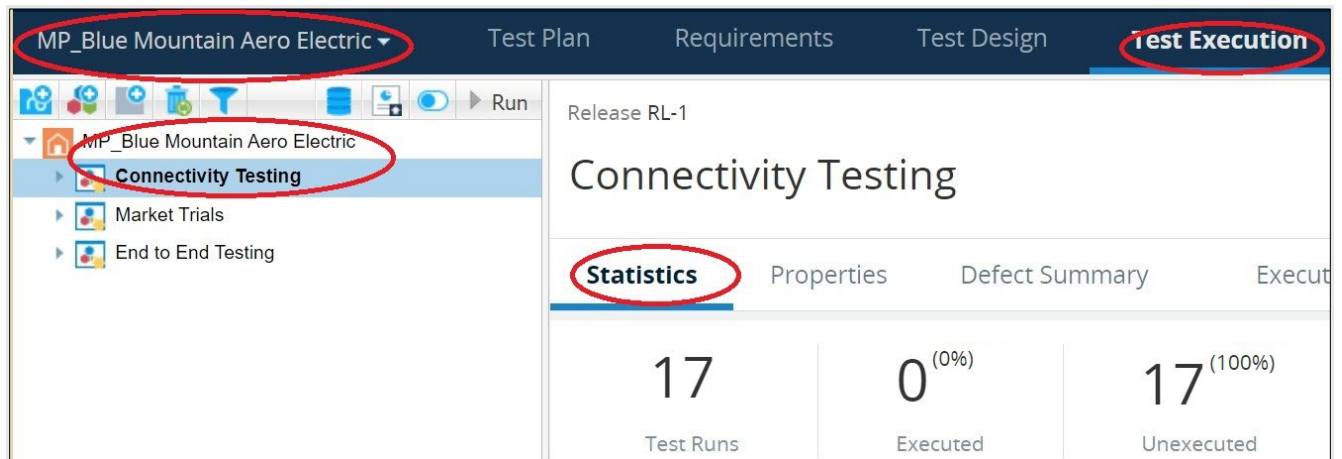


How to Find and Run Test Cases

Step 1: Select your organization's project name. All test projects are labelled with the following format: "MP_<Market Participant's name>". For example, if the Market Participant's name is Blue Mountain Aero Electric, then the project will be named as "MP_Blue Mountain Aero Electric".



Step 2: Click on the **Test Execution** tab from the top menu, and then click on the project "MP_<Market Participant's name>" on the left panel to expand the list. Select the relevant testing phase (i.e., "Connectivity Testing") from options below, and click on the "Statistics" label from the right pane of the webpage.



You will see a list of test cases at the bottom of the page. These are structured test cases that have been provided by the IESO for this Market Participant and test phase.

Step 3: From the list of test cases, select the checkbox to the left of the test case you wish to run. Only select one test case at a time to execute.

The screenshot shows the 'Statistics' tab of a test management tool. It displays a summary of test runs: 17 Test Runs, 0 Executed (0%), and 17 Unexecuted (100%). Below the summary is a table of test cases. The first test case, 'TC01- Access Dispatch Service through IESO's Gateway', is highlighted in yellow and has its checkbox selected. The table columns include ID, NAME, STATUS, TEST CASE VERSION, ASSIGNED TO, EXECUTED START, and EXECUTED END.

ID	NAME	STATUS	TEST CASE VERSION	ASSIGNED TO	EXECUTED START	EXECUTED END
1	TC01- Access Dispatch Service through IESO's Gateway	Unexecuted	1.0			

Step 4: At the top of the list of test cases, there is a **Run** button with a dropdown arrow. Click on the arrow and select "TestPad only."

The screenshot shows the 'Run' button with a dropdown arrow. The dropdown menu is open, displaying three options: 'TestPad only', 'TestPad + Desktop Explorer', and 'TestPad + Web Explorer'. The 'TestPad only' option is highlighted.

Step 5: A new dialog box will open with a list of detailed test steps for the selected test case.

The screenshot shows the 'Execute Steps' dialog box. It contains a table of test steps with columns for Step #, Description, Expected Result, Actual Result, Status, and Action. The first step is '1. Access to https://gateway-sbx.ieso.ca/ 2. Access to the IESO's Dispatch Service sandbox environment'. The second step is 'Navigate to the IESO's Gateway (Sandbox) webpage using the Microsoft Edge browser: https://gateway-sbx.ieso.ca/ and find the Dispatch Service - MRP tile under My Apps'. The third step is 'Click on the Dispatch Service - MRP tile'. The fourth step is 'Navigate through the following pages in Dispatch Service using the tabs at the top of the web application: - All Dispatches - New Dispatches'.

STEP #	DESCRIPTION	EXPECTED RESULT	ACTUAL RESULT	STATUS	ACTION
0	1. Access to https://gateway-sbx.ieso.ca/ 2. Access to the IESO's Dispatch Service sandbox environment				
1	Navigate to the IESO's Gateway (Sandbox) webpage using the Microsoft Edge browser: https://gateway-sbx.ieso.ca/ and find the Dispatch Service - MRP tile under My Apps	The Dispatch Service - MRP tile should be available on the webpage.	Add actual result.	Unexecuted	
2	Click on the Dispatch Service - MRP tile	A new window or tab should open with Dispatch Service user interface	Add actual result.	Unexecuted	
3	Navigate through the following pages in Dispatch Service using the tabs at the top of the web application: - All Dispatches - New Dispatches	Able to navigate through and load all pages. Please note, pages may not have any	Add actual result.	Unexecuted	

Step 6: Select each test step in sequence, one at a time, by clicking on the checkbox to the left of the test step record. Follow the instructions in the "Description" column and determine if your result matches the associated "Expected Result" notes.

Step 7: Once a test step has been attempted, update the "Status" column for that test step.

Hover your cursor over the "Status" column of that step. A list of statuses will be displayed (as per the image in Step 5). The available options for "Status" are as follows:

- **Passed:** the Expected Results described in the test step match your Actual Results.
- **Failed:** the Expected Results described in the test step are different from your Actual Results. (when the IESO asks you to re-test this later, be sure to update this status again based on the re-test results).
- **Blocked:** this option should be selected if you are prevented from performing the test step (i.e., no user access, password requires a reset, etc.), and need assistance before continuing.
- **Incomplete:** this option should be selected if the tester is unable able to complete the test step within the same session but intends to record their results at a later time.
- **Not Applicable:** this option should be selected if the test case does not apply to your organization (i.e., the test case is related to connectivity to Dispatch Services using an API but your organization does not use an API system).

The "Status" of the test step can be updated for one test step at time using this process. It is not mandatory to complete the "Actual Results" or "Log Attachment" columns but users can enter this additional information for their own record, if desired.

Multiple test steps can also be marked as "Passed" simultaneously by selecting the applicable checkboxes and clicking on the dropdown link beside the **Set Status** field. Select the appropriate status from the list and click the **MARK SELECTED STEPS** button. The updated status will be reflected in the "Status" column for the test steps that were selected.

Execute Steps

Test Run

Test Case Details

Attachments

Notes

Defects

Set Status: Select

MARK SELECTED STEPS

SUBMIT DEFECT

Passed

Failed

Incomplete

Blocked

Not Applicable

5

#

0

https://gateway-sbx.ieso.ca/

e IESO's Dispatch Service

onment

	EXPECTED RESULT	ACTUAL RESULT	LOG	STATUS	ACTION
<div>✓</div> <div>1</div> <div>1</div> <div> <div>Navigate to the IESO's Gateway (Sandbox) webpage using the Microsoft Edge browser: https://gateway-sbx.ieso.ca/ and find the Dispatch Service – MRP tile under My Apps</div> </div>	The Dispatch Service – MRP tile should be available on the webpage.	Add actual result.		Unexecuted	
<div>✓</div> <div>2</div> <div>1</div> <div> <div>Click on the Dispatch Service – MRP tile</div> </div>	A new window or tab should open with Dispatch Service user interface	Add actual result.		Unexecuted	
<div>✓</div> <div>3</div> <div>1</div> <div> <div>Navigate through the following pages in Dispatch Service using the tabs at the top of the web application:</div> <ul style="list-style-type: none"> - All Dispatches - New Dispatches - Active Dispatches - New / Active Contracts - New / Active Commitments </div>	Able to navigate through and load all pages. Please note, pages may not have any dispatch content at this time.	Add actual result.		Unexecuted	
<div>✓</div> <div>4</div> <div>2</div> <div> <div>Log out of Dispatch Service by clicking Logout beside the username located on the top right corner of the screen</div> </div>	After clicking Logout as shown below, the page will be redirected to the Gateway landing page	Add actual result.		Unexecuted	

Step 8: Click the **Save** button in the top right corner.

How to Submit a Defect to the IESO

If all the steps in a test case have passed, then no further actions are required on your part. However, if you encounter a test step that fails, then you may have found a “defect” during the testing. In addition to updating the status as “Failed” for that test step, qTest users must also inform the IESO that their test case encountered a defect for further investigation. To submit a defect, follow the steps below.

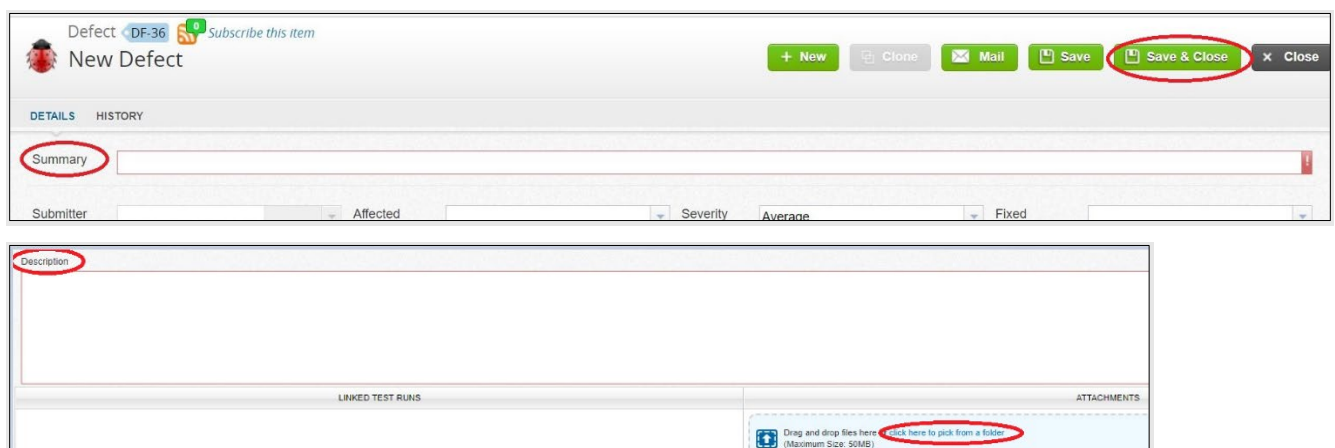
Step 1: Navigate back to the list of test steps under the test case (refer to Step 5 of “How to Find and Run Test Cases” above). Click the **Submit Defect** button located on the top-left corner of the list as shown in the screenshot below.



Step 2: A new pop-up window will appear. Click the **New** button on that window.



Step 3: The “New Defect” form opens in a separate window. Provide comments under the “Summary” and “Description” fields regarding the defect(s) you encountered. You can also add “Attachments” to aid the IESO in their investigation on why the test step failed (i.e., screenshots, logs).



Step 4: After entering the details, click the **Save & Close** button located on the top-right corner of the “New Defect” form.

The **Submit Defect** button will now have "(1)" included in its label, indicating that a Defect ID has been generated. If you hover the cursor over the **Submit Defect** button, a list of the defects that are linked with the test step along with their ID numbers will be displayed.

Execute StepsTest LogTest Case DetailsAttachmentsNotesDefects (1)

Set Status: Failed MARK SELECTED STEPS SUBMIT DEFECT (1)

NEW

Enter Defect ID LINK SEARCH

Test Log's Defects

ID	SUMMARY	STATUS	ACTION
DF-23	Sample Defect	New	

Step 5: Click **Save** on the TestPad window.


TR-11 of 1SAVE


TC01- Access Dispatch Ser...
Last updated on 03/04/2024 at 12:00:59 PM by

Execute StepsTest RunTest Case DetailsAttachmentsNotesDefects

Set Status: Select MARK SELECTED STEPS SUBMIT DEFECT

STEP #	DESCRIPTION	EXPECTED RESULT	ACTUAL RESULT	LOG	STATUS	ACTION
0	1. Access to https://gateway-sbx.ieso.ca/ 2. Access to the IESO's Dispatch Service sandbox environment					

This will return you to the main screen of qTest, listing all your test cases. Tip: if a defect has been correctly submitted, a ladybug icon  will appear next to the failed test case.

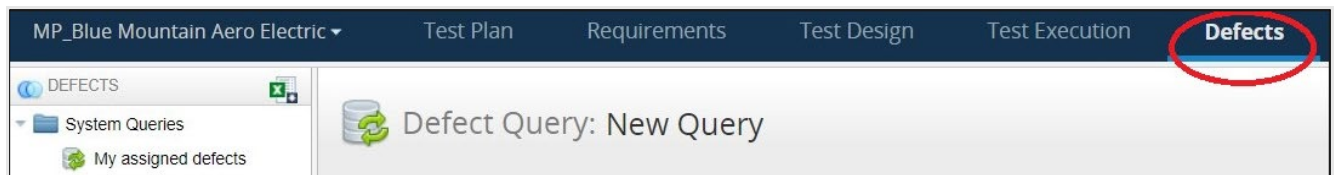
TC-01-Access Dispa tch Service through I ESO's Gateway	Failed	5.0	04/04/2024, 9:50:48 AM	04/04/2024, 9:50:52 AM	02/07/2023	02/07/2023	1 
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How to View a List of Submitted Defects

You may need to review the list of submitted defects if the IESO notifies you that the issue has been addressed and is ready to be re-tested. If the re-test is successful, change the status of the test step to "Passed." If the test step continues to produce unexpected results, update its status to "Failed."

Step 1: Select your Project name (i.e., "MP_Blue Mountain Aero Electric") in the top left corner.

Step 2: Click on the **Defects** tab from the top menu.




Step 3: In the left hand pane, under "System Queries", click on "All defects." A list of all defects created under the selected project will be displayed in the main panel, as well as their details.




Step 4: Click on the "Defect ID" to view more about the defect.

<input type="checkbox"/>	DF-17	Login to EMI application failed
<input type="checkbox"/>	DF-18	login failed

Step 5: A new screen will open, providing the following details about the defect, including its current "Status", "Reason", and the IESO's comments. You may need to scroll down to see all the information. Users will also receive an email notification when the IESO changes the status of one of their defects.

Defect **DF-17**  [Subscribe this item](#)

Login to EMI application failed

Last updated on 04/02/2024 at 2:03:22 PM by 

DETAILS **HISTORY**

Summary Login to EMI application failed

Submitter User Gmail **Affected Release/Build** Connectivity Testing

Submitted Date 10/16/2023 3:29:00 PM **Priority** Medium

Assigned To **Status** New

Reason Additional Info Needed **Category** Other

Press Shift + Enter to add a comment.

MP Response 04/02/2024, 2:03:53 PM
MP Comment 1

IESO User Comment 04/02/2024, 2:03:34 PM  
04/02/2024, 1:45:22 PM
IESO Comment 1

MP Response 04/02/2024, 2:03:22 PM
MP Comment 1

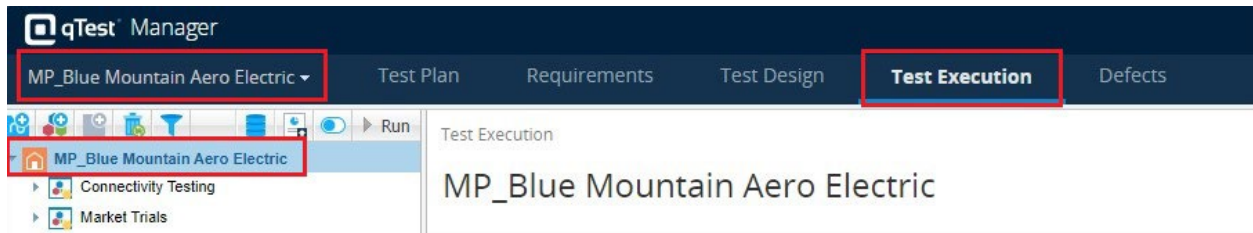
IESO User Comment 04/02/2024, 1:45:22 PM
IESO Comment 1

Step 6: If you add a comment to the discussion, click the green **Save** button before closing this screen. Click the green **Close** button to return to the list of all defects for this project.

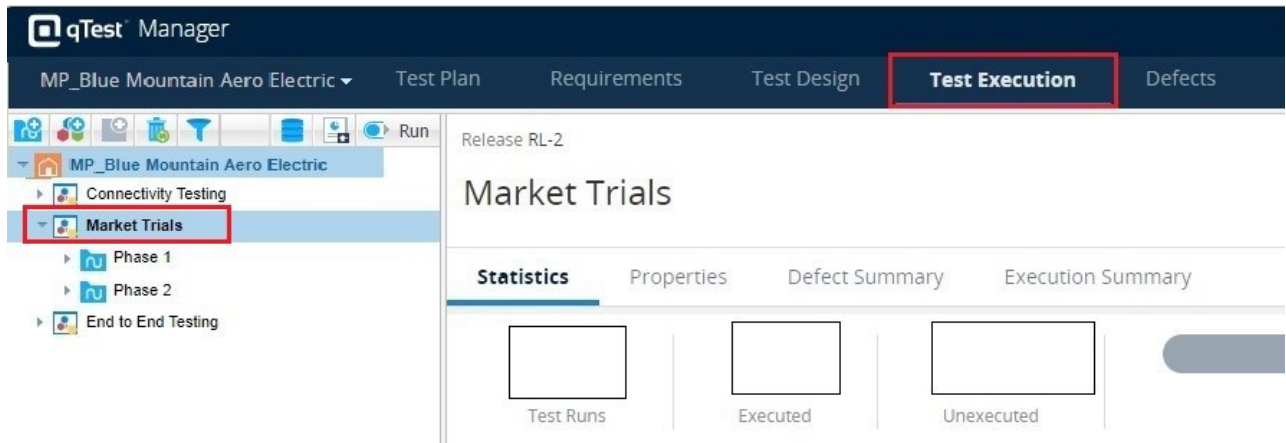
Marking status of assigned test cases as “Not Applicable”

The steps to marking the status of your assigned test cases to “Not Applicable” are as follows:

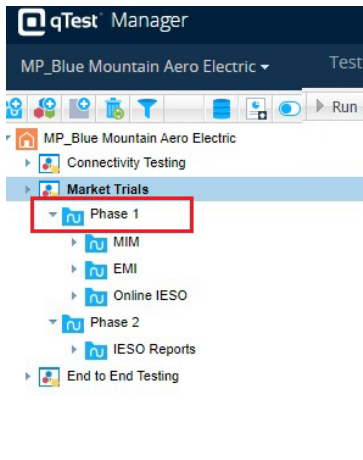
Step 1: Go to the “Test Execution” tab.



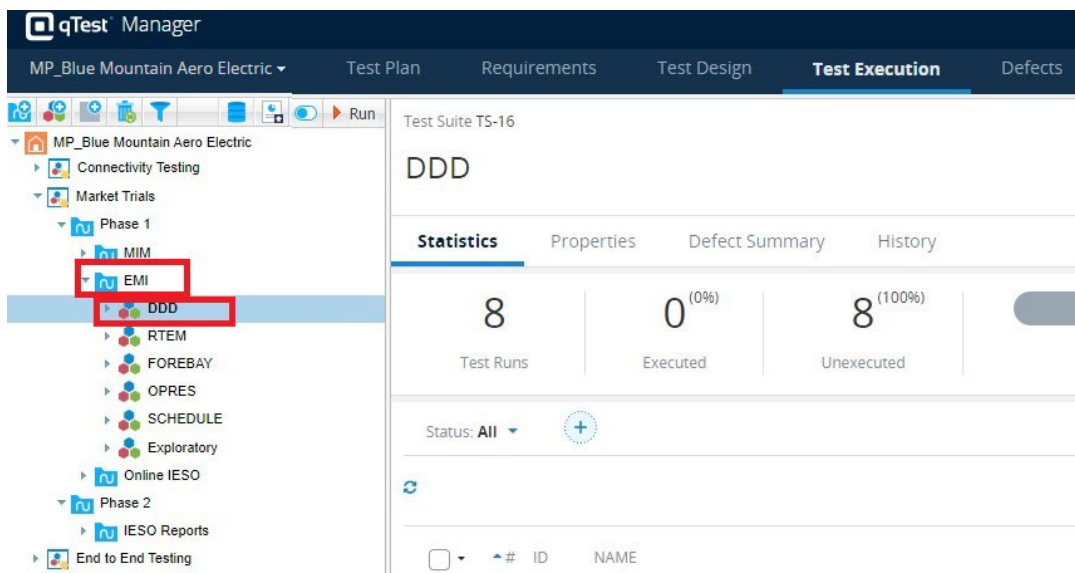
Step 2: Click on “Market Trials” on the left-side panel.



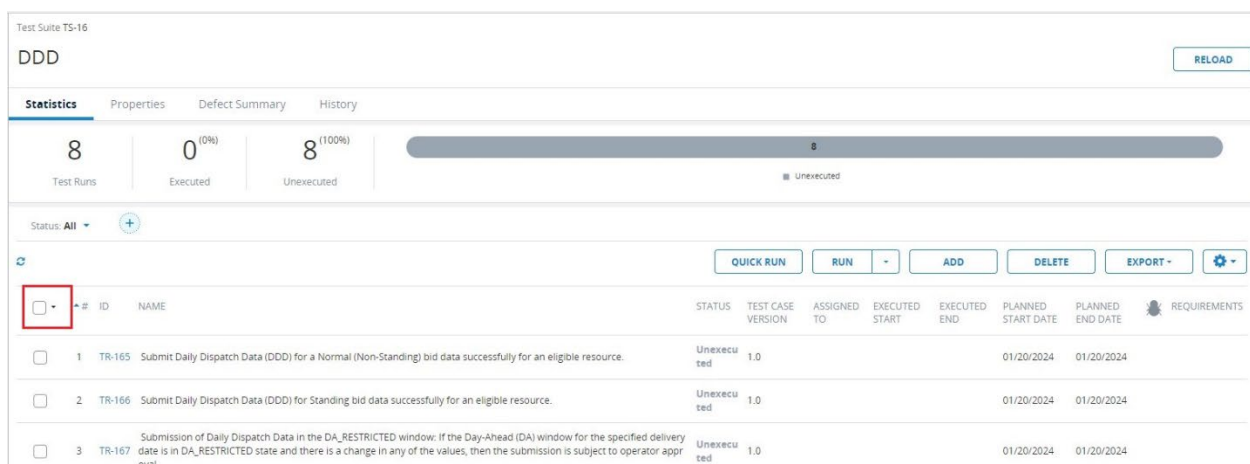
Step 3: Select the folder which denotes the applicable Phase. For example, select “Phase 1”.



Step 4: Select the applicable sub-folder that has the test cases that you wish to mark as "Not Applicable". For example, select "DDD" from the "EMI" folder.



Step 5: Select the square icon that is beside the # column in the table.



Step 6: Click the "Quick Run" button.

Test Suite TS-16

DDD

RELOAD

Statistics Properties Defect Summary History

8 Test Runs 0 (0%) Executed 8 (100%) Unexecuted

Status: All

QUICK RUN RUN ADD DELETE EXPORT

ID	NAME	STATUS	TEST CASE VERSION	ASSIGNED TO	EXECUTED START	EXECUTED END	PLANNED START DATE	PLANNED END DATE	REQUIREMENTS
1	TR-165 Submit Daily Dispatch Data (DDD) for a Normal (Non-Standing) bid data successfully for an eligible resource.	Unexecuted	1.0				01/20/2024	01/20/2024	
2	TR-166 Submit Daily Dispatch Data (DDD) for Standing bid data successfully for an eligible resource.	Unexecuted	1.0				01/20/2024	01/20/2024	
3	TR-167 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.	Unexecuted	1.0				01/20/2024	01/20/2024	

Step 7: Select the test cases that you wish to mark as "Not Applicable."

TEST SUITE: QUICK RUN

Test suite: DDD Test suite ID: TS-16

To change individual test run status, click the Status cell of that test run's row. To mass update multiple test runs status, select the test runs and change top status drop-box.

2/8 item(s) selected | Set selected test runs' statuses to

NAME	TEST CASE VERSION	ASSIGNED TO	ENVIRONMENT	PLANNED START DATE	PLANNED END DATE	STATUS
Submit Daily Dispatch Data (DDD) for a Normal (Non-Standing) bid data successfully for an eligible resource.	1.0			01/19/2024	01/19/2024	
Submit Daily Dispatch Data (DDD) for Standing bid data successfully for an eligible resource.	1.0			01/19/2024	01/19/2024	
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.	1.0			01/19/2024	01/19/2024	
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.	1.0			01/19/2024	01/19/2024	
Daily Dispatch Data for a Non-Standing Bid (Normal) can be successfully queried for	1.0			01/19/2024	01/19/2024	

OK OK And Refresh Cancel

Step 8: Select "Not Applicable" in the drop down menu in the field that reads "Set selected test runs' statuses to."

TEST SUITE: QUICK RUN

Test suite: DDD Test suite ID: TS-16

To change individual test run status, click the Status cell of that test run's row. To mass update multiple test runs status, select the test runs and change top status drop-box.

2/8 item(s) selected | Set selected test runs' statuses to

Passed
Failed
Incomplete
Blocked
Not Applicable

NAME	TEST CASE VERSION	ASSIGNED TO	ENVIRONMENT	PLANNED START DATE	PLANNED END DATE	STATUS
Submit Daily Dispatch Data (DDD) for a Normal (Non-Standing) bid data successfully for an eligible resource.	1.0			01/19/2024	01/19/2024	
Submit Daily Dispatch Data (DDD) for Standing bid data successfully for an eligible resource.	1.0			01/19/2024	01/19/2024	
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.	1.0			01/19/2024	01/19/2024	
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.	1.0			01/19/2024	01/19/2024	
Daily Dispatch Data for a Non-Standing Bid (Normal) can be successfully queried for	1.0			01/19/2024	01/19/2024	

OK OK And Refresh Cancel

Step 9: Click the “Apply” button.

TEST SUITE QUICK RUN

Test suite: DDD

Test suite ID: TS-16

To change individual test run status, click the Status cell of that test run's row. To mass update multiple test runs status, select the test runs and change top status drop-box.

2/8 item(s) selected | Set selected test runs' statuses to **Not Applicable** **Apply**

<input type="checkbox"/>	NAME	TEST CASE VERSION	ASSIGNED TO	ENVIRONMENT	PLANNED START DATE	PLANNED END DATE	STATUS	
<input checked="" type="checkbox"/>	Submit Daily Dispatch Data (DDD) for a Normal (Non-Standing) bid data successfully for an eligible resource.	1.0			01/19/2024	01/19/2024	<input type="text"/>	
<input type="checkbox"/>	Submit Daily Dispatch Data (DDD) for Standing bid data successfully for an eligible resource.	1.0			01/19/2024	01/19/2024	<input type="text"/>	
<input checked="" type="checkbox"/>	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.	1.0			01/19/2024	01/19/2024	<input type="text"/>	
<input type="checkbox"/>	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.	1.0			01/19/2024	01/19/2024	<input type="text"/>	
<input type="checkbox"/>	Daily Dispatch Data for a Non-Standing Bid (Normal) can be successfully queried for	1.0			01/19/2024	01/19/2024	<input type="text"/>	

OK **OK And Refresh** **Cancel**

Step 10: Click the “Ok and Refresh” button.

TEST SUITE QUICK RUN

Test suite: DDD

Test suite ID: TS-16

To change individual test run status, click the Status cell of that test run's row. To mass update multiple test runs status, select the test runs and change top status drop-box.

2/8 item(s) selected | Set selected test runs' statuses to **Not Applicable** **Apply**

<input type="checkbox"/>	NAME	TEST CASE VERSION	ASSIGNED TO	ENVIRONMENT	PLANNED START DATE	PLANNED END DATE	STATUS	
<input checked="" type="checkbox"/>	Submit Daily Dispatch Data (DDD) for a Normal (Non-Standing) bid data successfully for an eligible resource.	1.0			01/19/2024	01/19/2024	<input type="text"/>	
<input type="checkbox"/>	Submit Daily Dispatch Data (DDD) for Standing bid data successfully for an eligible resource.	1.0			01/19/2024	01/19/2024	<input type="text"/>	
<input checked="" type="checkbox"/>	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.	1.0			01/19/2024	01/19/2024	<input type="text"/>	
<input type="checkbox"/>	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.	1.0			01/19/2024	01/19/2024	<input type="text"/>	
<input type="checkbox"/>	Daily Dispatch Data for a Non-Standing Bid (Normal) can be successfully queried for	1.0			01/19/2024	01/19/2024	<input type="text"/>	

OK **OK And Refresh** **Cancel**



Contact Us

Email any questions/clarifications related to this document to IESOCustomerRelations@ieso.ca

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