

Test Case Creation and Execution for Exploratory Testing in qTest (Quick Take)

This Quick Take provides an overview of how Market Participants can use qTest to record the steps taken and to log the results of the Exploratory tests they perform against the IESO applications. qTest is the IESO's current test case management tool, which will be used during in all phases of Market Participant Testing under the Market Renewal Program (MRP). These test phases include Connectivity Testing, Market Trials, and End-to-End Testing.

What is Exploratory Testing?

Exploratory Testing is a flexible and dynamic testing approach that allows users to explore the software application, identify issues, and learn more about IESO application's behaviour and functionality.

In addition to accessing and updating the status of the prescribed test cases that have been created by the IESO, Market Participants can also use qTest to create their own exploratory test cases and report issues they encounter to the IESO's QA team. qTest is intended to only document the results of testing that is performed on the IESO applications, and it must not be used to record the testing of non-IESO systems. Market Participants are responsible for executing and saving the test results of their own internal systems and processes outside the IESO's test case management tool.

How to Create a Test Case

The *Test Design Module* in qTest enables users to create, move, edit and view test cases on their own.

Step 1: Navigate to IESO Gateway: <https://gateway.ieso.ca/>

Step 2: Enter your username and password.

ieso
Connecting Today.
Powering Tomorrow.

Sign In

Username
userasamplea.mp@gmail.com

Password
.....

Remember me

Sign In

[Need help signing in?](#)

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

ieso
Connecting Today.
Powering Tomorrow.



Security Question

What is the name of your first stuffed animal?

Answer 

Do not challenge me on this device again

Verify

[Back to sign in?](#)

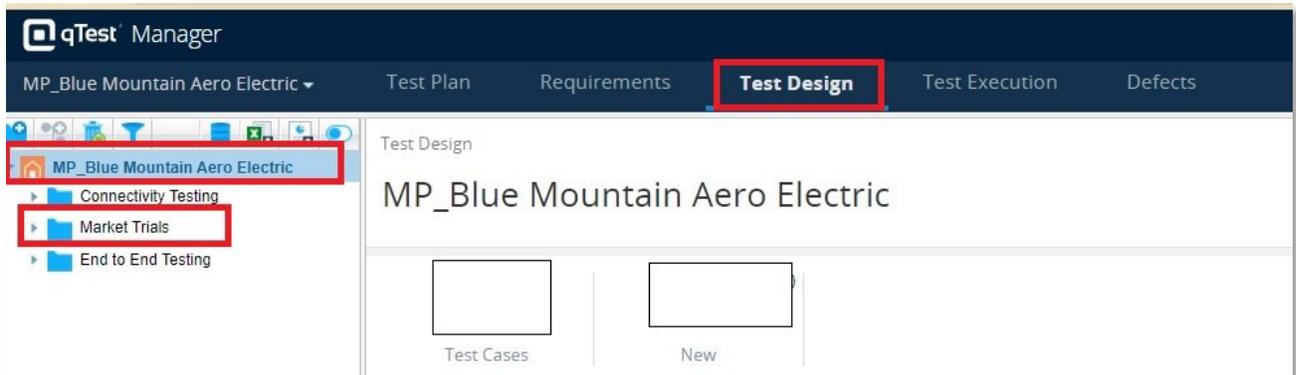
Step 4: Click on the **qTest** tile. The qTest application should open to its main home screen, ready for use.



Step 5: Select your organization's project name. All test project folders are labelled using the following format: "MP_<Market Participant's name>". For example, if the Market Participant's name is Blue Mountain Aero Electric, then the project folder will be named as "MP_Blue Mountain Aero Electric".



Step 6: Click on the **Test Design** 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., "Market Trials") from the options below.



Step 7: Test cases are saved under the blue subfolders that are labelled with the application or system that is being tested. These folders are located in a parent folder that identifies when the application was made available during Market Trials. For example, to view the test cases for the Market Information Management (MIM) system:

- i. Select the "Market Trials" folder.
- ii. Select the "Phase 1" folder.

- iii. Select the "MIM" application folder to view the structured test cases (MIM).

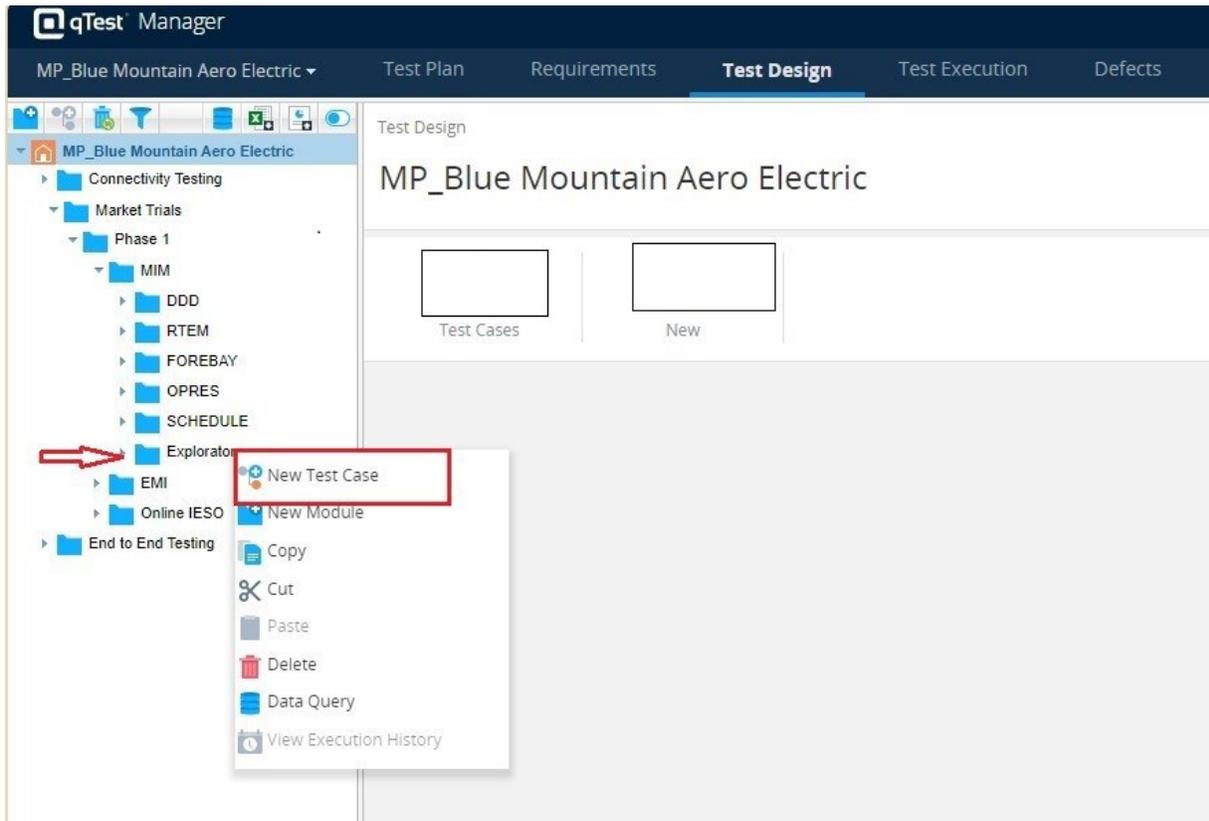
The test cases in the application folders are grouped into subcategories. For example, the test cases in the "MIM" application folder are grouped into different market types (i.e., "DDD", "RTEM", "FOREBAY" etc.).



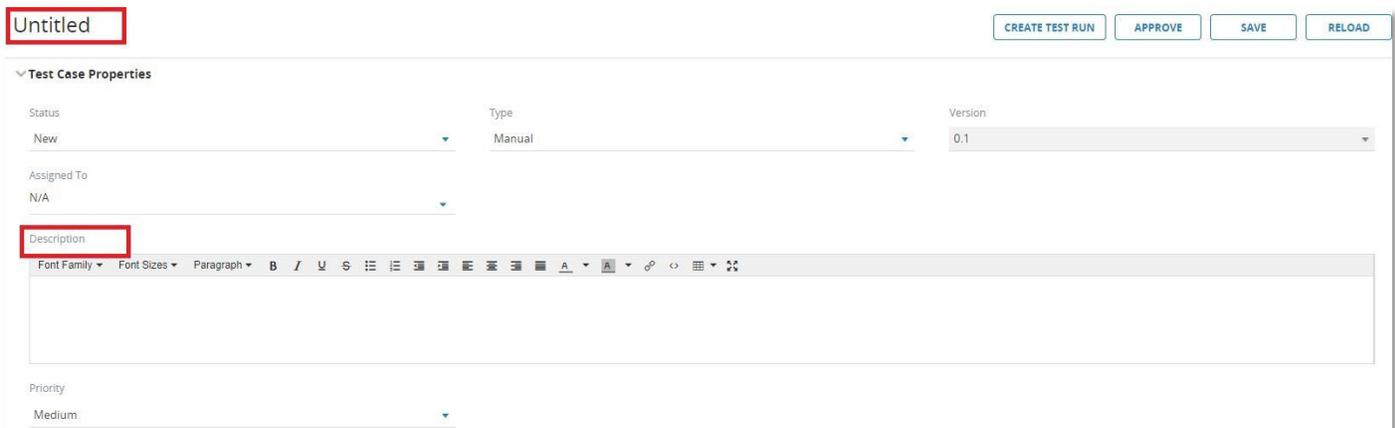
Each Application folder will have a subfolder named "Exploratory" to keep the record of all the exploratory test cases executed for that application.



Step 8: To log the results of exploratory testing, right-click on the "Exploratory" folder and select the "New test case." option.



Step 9: The “New test case” window will be displayed.



Step 10: Enter the following details:

- i. Title of the test case
- ii. A description of the test case
- iii. Preconditions that must occur prior to executing the test case

Test Steps				Requirements	Sessions	Attachments	History	Comments
<input type="checkbox"/>	STEP #	STEP DESCRIPTION	EXPECTED RESULT					
<input type="checkbox"/>	0	Precondition is empty.						
			+ ADD					

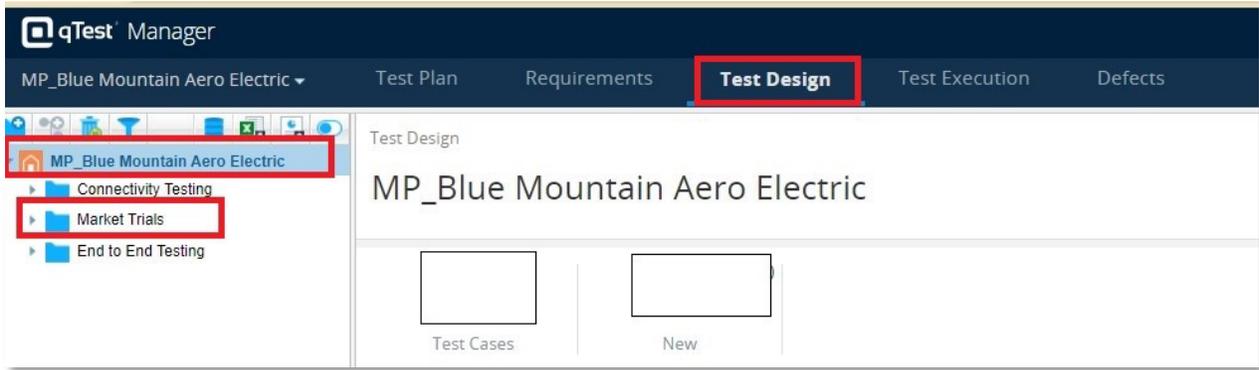
- Click “**+ ADD**” to enter test steps. For each step, provide the following:
 - Step #,
 - Step Description, and
 - Expected Result

Test Steps				Requirements	Sessions	Attachments	History	Comments
<input type="checkbox"/>	STEP #	STEP DESCRIPTION	EXPECTED RESULT					
<input type="checkbox"/>	0	Precondition						
<input type="checkbox"/>	1	Enter Test step description	Enter expected result					
			+ ADD					

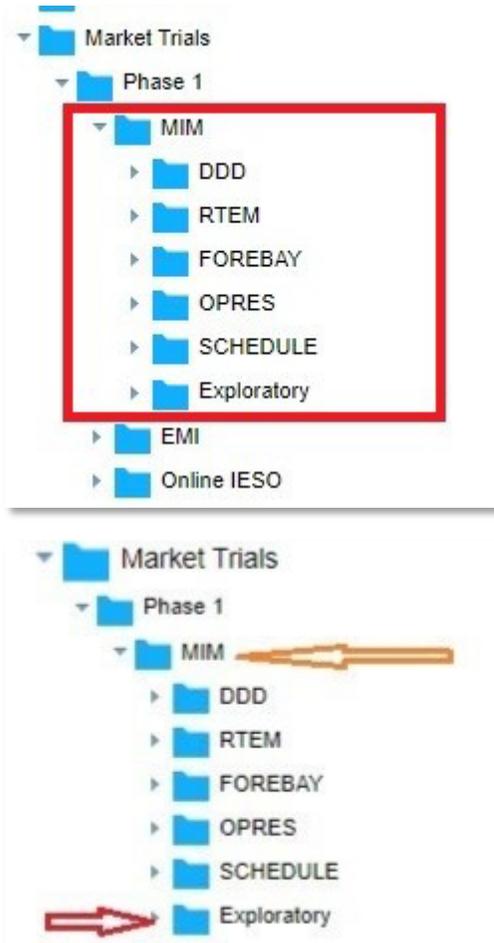
How to Edit a Test Case

qTest allows the user to edit an existing test case. When editing the test case, remember to only change the latest version of the test case. To review the changes that were made, navigate to the **History** tab.

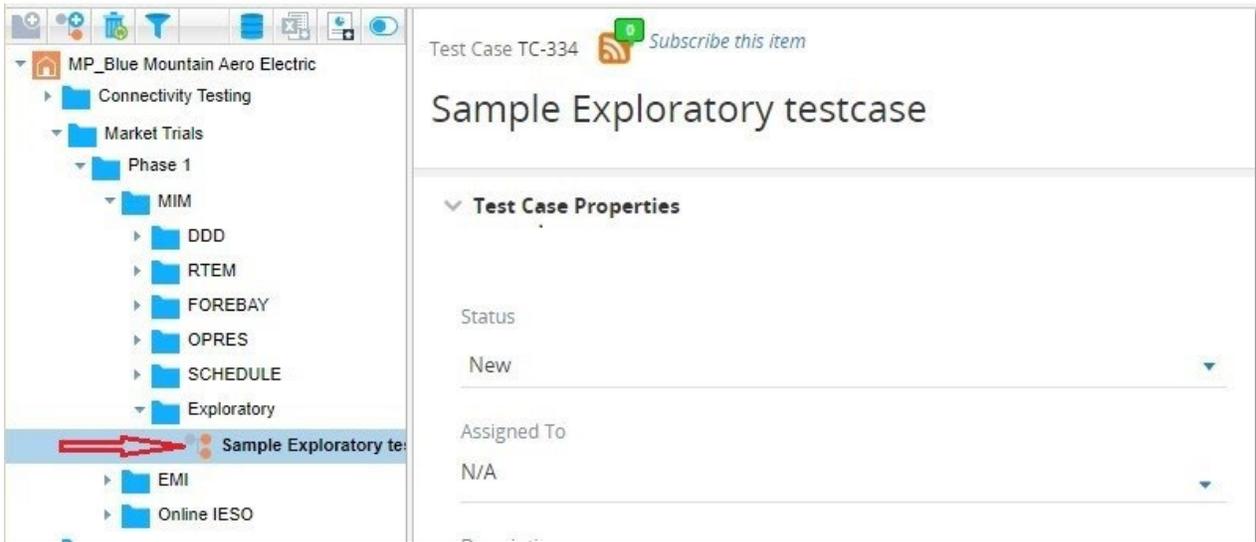
Step 1: Click on the **Test Design** tab from the top menu and expand the project folder “MP_Market Participant’s name” on the left panel. Select the relevant testing phase (i.e., “Market Trials”) from the available folder options below.



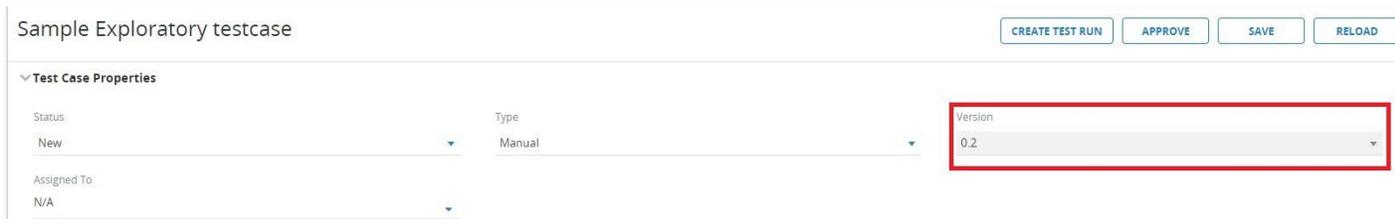
Step 2: Expand the “Exploratory” subfolder.



Step 3: Select the test case name that needs to be edited.



Before making any changes, ensure that the version of the test case that will be edited is the latest one. To confirm, check the "Version" number under "Test Case Properties."



Users can also check the "History" tab to review the list of changes that were made to the test case since its creation.

Test Steps	Requirements	Sessions	Attachments	History	Comments
CHANGES				DATE	BY
▶ 0.1				06/23/2024, 7:32:42 PM	
▶ 0.2				06/23/2024, 7:33:09 PM	

Step 4: Update the test case.

Removing a Step from the Test Case

Step 1: Click on the blue icon and select Delete from the list options.

Test Steps						Requirements	Sessions	Attachments	History	Comments
<input type="checkbox"/>	STEP #	STEP DESCRIPTION	EXPECTED RESULT		ACTION					
	0	Precondition if any								
<input type="checkbox"/>	1	Sample step description	Sample expected step							
<input type="checkbox"/>	2									
+ ADD										

- Add
- Delete
- Move up
- Move down
- Test Cases

Step 2: Click **Save**.



Adding a Step under the Test Case

Step 1: Click on the **+ADD** icon.

Test Steps						Requirements	Sessions	Attachments	History	Comments
<input type="checkbox"/>	STEP #	STEP DESCRIPTION	EXPECTED RESULT		ACTION					
	0	Precondition if any								
<input type="checkbox"/>	1	Sample step description	Sample expected step							
<input type="checkbox"/>	2									
+ ADD										

Step 2: Enter a description and expected result of the new test step.

Test Steps					Requirements	Sessions	Attachments	History	Comments
<input type="checkbox"/>	STEP #	STEP DESCRIPTION	EXPECTED RESULT		ACTION				
<input type="checkbox"/>	0	Precondition if any			+				
<input type="checkbox"/>	1	Sample step description	Sample expected step		☰				
<input type="checkbox"/>	2				☰				

[+ ADD](#)

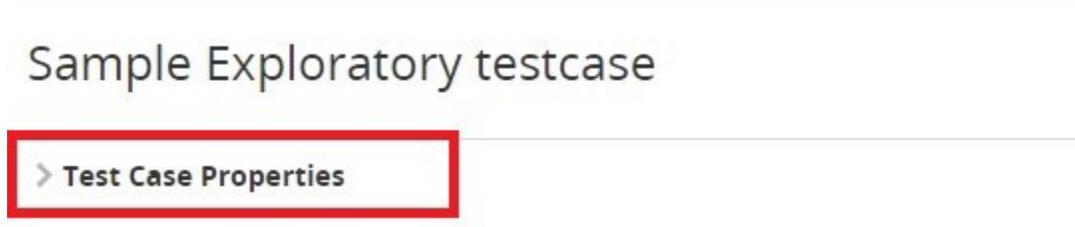
Step 3: Click "Save."



Editing the Properties of the Test Case

Step 1: Select the test case that requires a change.

Step 2: Click on the "Test Case Properties" heading.



The following form is displayed.

▼ **Test Case Properties**

Status	Type	Version
New	Manual	0.2
Assigned To		
N/A		

Description

Font Family ▾ Font Sizes ▾ Paragraph ▾ **B** / *I* U ~~S~~ A ▾

Priority

Medium

Test Steps Requirements Sessions Attachments History Comments

Step 3: Users can change the assignee by clicking on “Assigned To” dropdown menu.

▼ **Test Case Properties**

Status

New

Assigned To

N/A

Step 4: Users can update the description of the selected test case.

Sample Exploratory testcase

▼ **Test Case Properties**

Status: New ▼ Type: Manual

Assigned To: N/A ▼

Description:

Font Family ▼ Font Sizes ▼ Paragraph ▼ **B** *I* U ~~S~~ ☰ ☷ ☹ ☺ ☻ ☼ ☽ ☾ ☿ ☽ ☾ ☿ ☽ ☾ ☿ ☽ ☾ ☿ A

Priority: Medium ▼

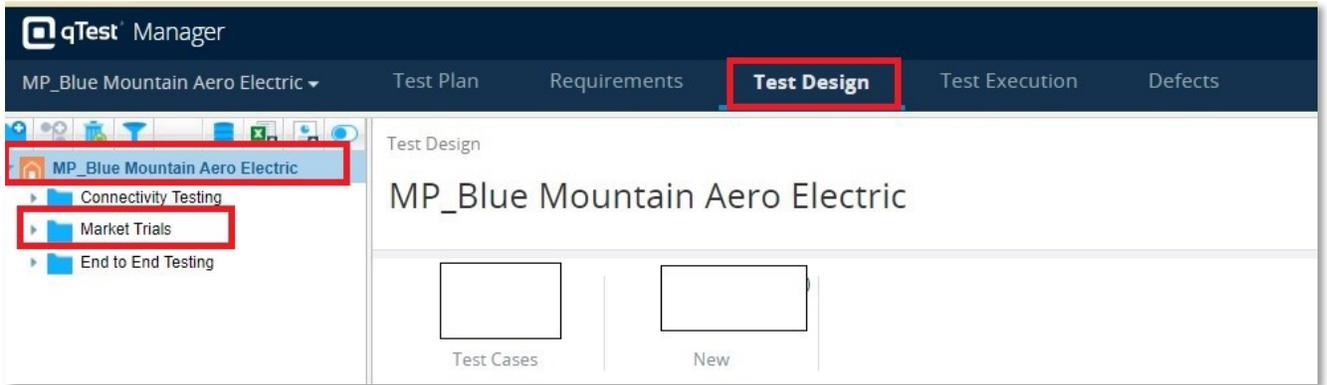
Step 6: Click **“Save”**.



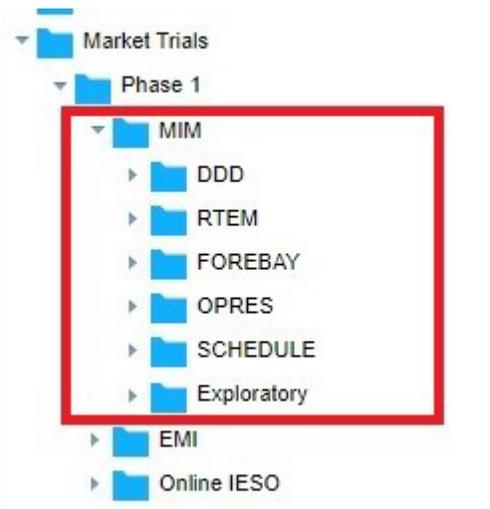
How to Approve a Test Case

qTest provides users the ability to control which changes are approved for a test case before it is moved under Test Execution.

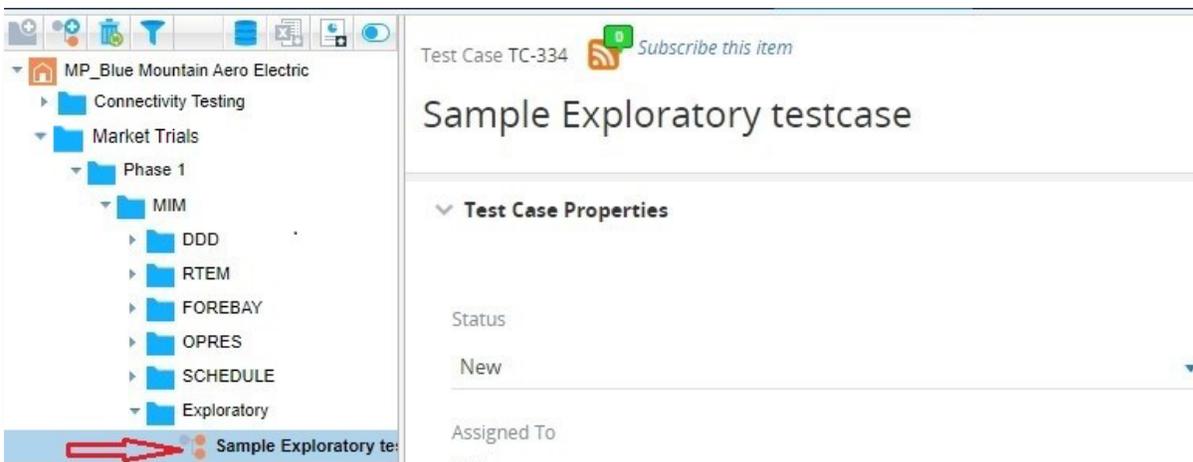
Step 1: Click on the **Test Design** tab from the top menu and expand the “MP_*Market Participant's name*” project folder on the left panel. Select the relevant testing phase (i.e., “Market Trials”) from the options below.



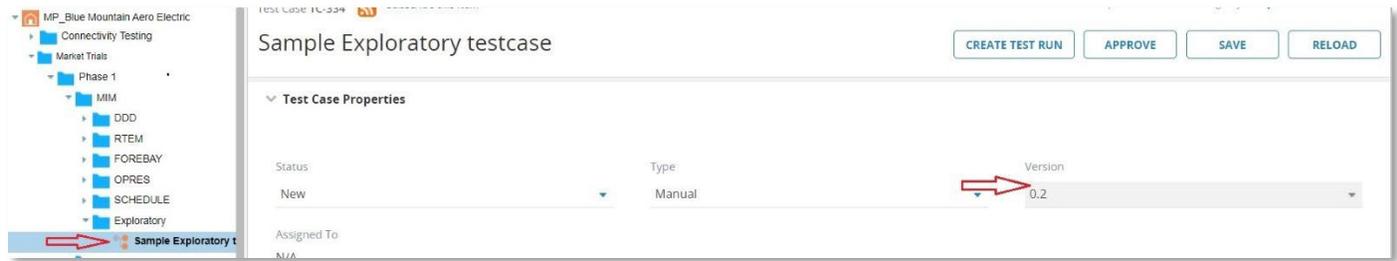
Step 2: Expand the “Exploratory” folder.



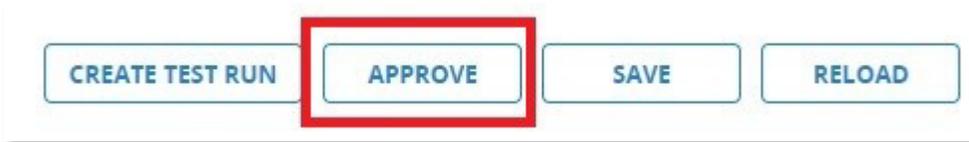
Step 3: Select the test case that needs to be approved.



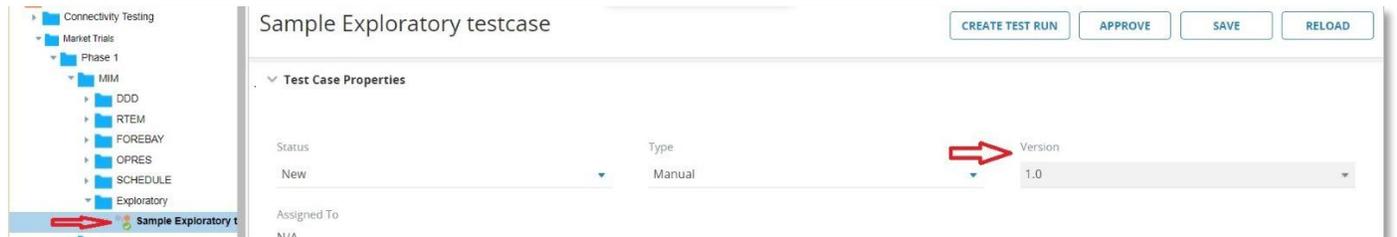
Before the test case is approved, the icon beside the test case will not include a green checkmark. Verify the version number of the test case under the “Test Case Properties” heading.



Step 4: Click Approve.



Once the test case is approved, the version is updated to a whole number and the icon beside the test case name will include a green checkmark.



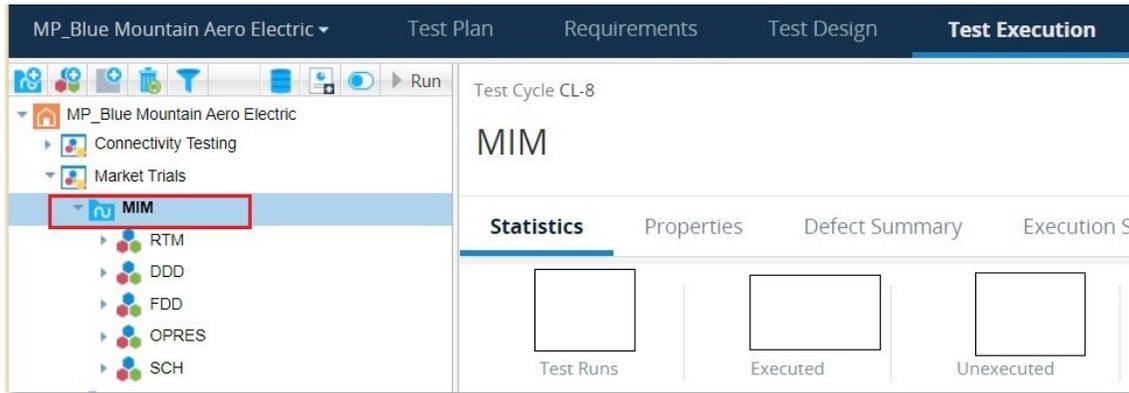
How to Add a Test Case to the Test Execution Module

A test run is an executable version of a test case. A test case can only be executed if it is under the Test Execution module.

Step 1: Click on the **Test Design** tab from the top menu and expand the "MP_Market Participant's name" project folder on the left panel. Select the relevant testing phase (i.e., "Market Trials") from the options below.



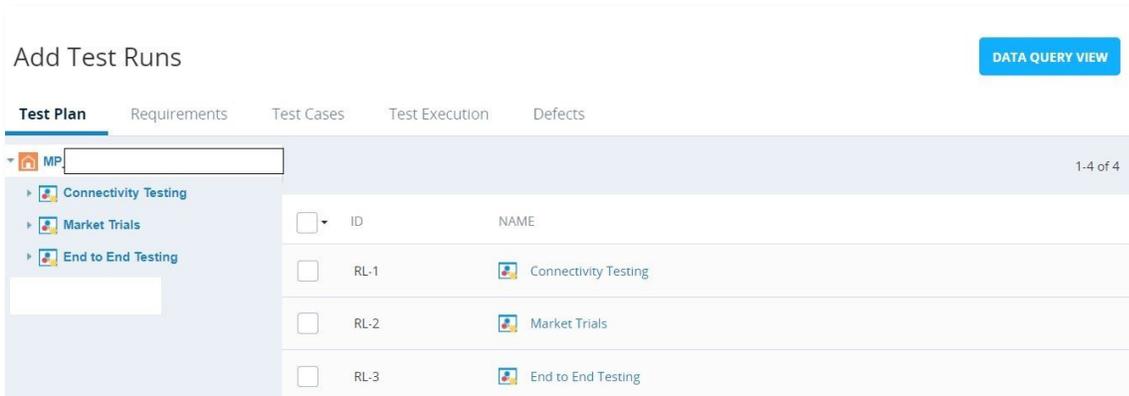
Step 2: Select the application folder.



Step 3: Click the **ADD** button located on the bottom corner of the right panel.



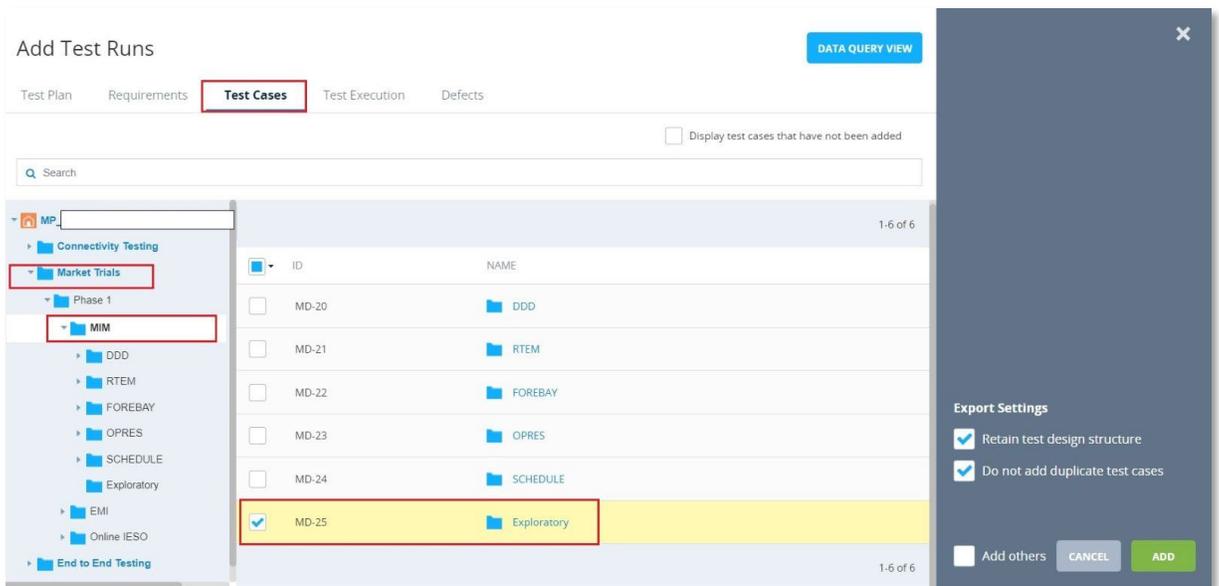
The Add Test Runs window is displayed.



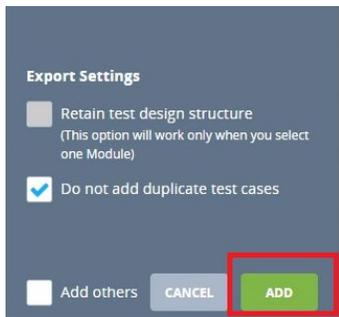
Step 3: Click the **Test Cases** tab from the "Add Test Runs" window.

Step 4: Select the folder which includes the test case you want to add as a Test Run (for example, if the test case is saved under the Exploratory folder of Market Trials, select the Exploratory folder).

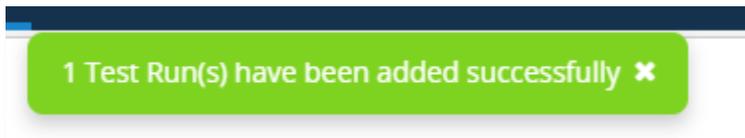
Step 5: In the Test Case grid, select the check box beside the Exploratory sub folder that you want to add as a Test Run.



Step 6: Click **Add** button on the right bottom corner of the screen.



The Add Test Runs window closes, and a message appears to confirm that the Test Run has been successfully added.



Additional Resources

Please refer to quick take on how to submit test case results and defects in qTest:
[QuickTake Submission of Test Case Results and Defects in qTest.pdf](#)

Contact Us

Email questions and/or concerns related to this document to IESOCustomerRelations@ieso.ca.

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