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| **CONFIDENTIAL** |
| **VENUE Survey Web Dashboard - Test Plan**  **Revision: 1.6** |

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| --- | --- |
| REVISION: 1.6 - ISSUED FOR USE | |
|  |  |
| **PERMIT STAMP** | **ENGINEER’S STAMP** |
|  | |

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# Version Log

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version | Date  (D/M/Y/ | Author | Checker | Update Description |
| 1.0 | 03/08/21 | Kevin Hendrickson | - | Initial Draft of Test Plan |
| 1.1 | 13/10/21 | Harrison Krause | Kevin Hendrickson | Convert Test Plan to Test Plan Template 0.1 |
| 1.2 | 08/11/21 | Harrison Krause | - | Update headers, footers, and document number references. |
| 1.3 | 09/11/21 | Harrison Krause | - | Update Test Overview and Test Execution Summary tables. |
| 1.4 | 13/04/2022 | Abdelrahman Ali | - | Update the Test Case Verdict format to have number of Pass events and number of Fail events |
| 1.5 | 25/11/2022 | Isaiah Ghazar | Kevin Hendrickson | Updated test plan and test steps and drawing rules |
| 1.6 | 18/01/2023 | Kevin Hendrickson | - | Added beacon tests |

1. Test Overview

Document the project information, personnel, and specifications for the test execution.

|  |  |
| --- | --- |
| TEST OVERVIEW | |
| **Project** | VENUE |
| **Product** | Survey Web Dashboard |
| **Product Version** |  |
| **Product Owner** | TDK-InvenSense TPI |
| **Test Engineer** |  |
| **Test Manager** |  |
| **Report Date** |  |
| **Total Execution Time (hours)** |  |
| **Type:**  Production Release Testing  Beta Release Testing  Bug Fix Testing  Development Testing  Ad-hoc Testing  Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

1. Testing Conditions

|  |  |
| --- | --- |
| TEST ENVIRONMENT | |
| **Webapp Version** |  |
| **Chrome Version** |  |

Testing Software: Google Chrome is required. Please download the latest version before starting.

Warning: Make sure your web browser is set to 100% zoom. Other zoom levels can cause intermittent display issues.

Where to test: Use the staging environment to test the functions: [Survey Mobile App Staging](https://survey-test.venuepositioning.com/)

Credentials: Unless otherwise stated, the credentials used for testing are as follows. Please do not change the password as it will disrupt future iterations of the test plan.

|  |  |
| --- | --- |
| **Username** | [Test.Admin@tdk.com](mailto:Test.Admin@tdk.com) |
| **Password** | Adm!n5305 |

General Items to Check:

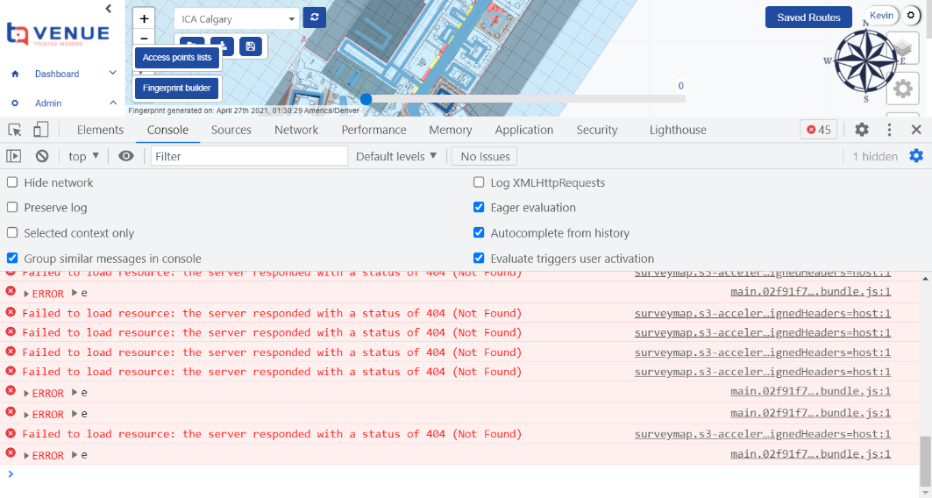
1. Survey functions behave as expected - If unsure, consult the documentation. If it is still not clear, consult a developer on the VENUE team and request the documentation be fixed.
2. Error messages are clear and easily understood – all error messages should be easy to understand for regular (non-developer users). There should be no cryptic messages such as “**Error xt1. Incorrect stream.**”
3. Error messages are present – If the software fails to perform as expected because of user error (ex: incorrect password, missing input fields) the system should tell the user.
4. Consistency – Tests should produce the same result every time. 1 failed test followed by a successful test show that there is an issue that needs to be corrected.

How to Record a Failed Test:

1. Reference the test number and description.
2. Include screenshot(s) showing the issue.
3. Copy the output from the console of the web browser – instructions provided on next page.

Console Recording:

1. Go to the browser settings
2. Click More Tools 🡪 Developer tools (Alternatively, press Ctrl + Shift + i)
3. Open the console tab
4. Copy the text inside by using a screen capture. It should look like this:



1. Tests
   1. Login
      1. Correct Username / Correct Password

|  |  |
| --- | --- |
| Test Details | |
| **Test Purpose** | To check that users can log in as expected with a correct username and password. |
| **Test Description** | Enter the following username and password within the appropriate fields on the form.   |  |  | | --- | --- | | **Username** | [Test.Login@tdk.com](mailto:Test.Login@tdk.com) | | **Password** | AccessTest |   Click the “Sign In” button |
| **Number of Runs** | 1 |
| **Pass Criteria** | The username and password should submit and be accepted.  The dashboard view should open, and no error messages or warnings should be thrown. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| TEST EXECUTION SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Incorrect Username/Password - Credentials with Typos

|  |  |
| --- | --- |
| Test Details | |
| **Test Purpose** | Attempt to log in to the portal using valid credentials with a spelling mistake |
| **Test Description** | **Test 1:**  Enter your username and an incorrect password within the sign-in form.   |  |  | | --- | --- | | **Username** | [Test.Login@tdk.com](mailto:Test.Login@tdk.com) | | **Password** | AccessTst |   Click the “Sign In” button.  **Test 2:**  Try again using the following credentials:   |  |  | | --- | --- | | **Username** | [Test.Lgin@tdk.com](mailto:Test.Lgin@tdk.com) | | **Password** | AccessTest |   Click the “Sign In” button.  **Test 3:**  Try again using the following credentials:   |  |  | | --- | --- | | **Username** | [Test.Login@tdk.com](mailto:Test.Login@tdk.com) | | **Password** | AccessTest | |
| **Number of Runs** | 1 |
| **Pass Criteria** | If a typo exists in the username or password, they are not accepted.  The following error is displayed:  Graphical user interface  Description automatically generated with medium confidence |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| TEST EXECUTION SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Forgot Password

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| test steps | |
| **Field** | **Description** |
| **Test Step** | On the login page:  Click “Forgot Password”  Enter your TDK email  Fill in the captcha  Click on the Reset Password button. |
| **Expected Result** | The site should not throw any errors / messages and should send the user an email with directions to re-set their account password. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* 1. Survey Viewer
     1. Venue Display and Zoom Levels

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Select 3 different venues. The dashboard should load each of the venues, and they should all load and center around the map, and the zoom functionality should allow us to zoom in and out. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Viewer, select the “CES” Venue. |
| **Expected Result** | The CES map overlay in Las Vegas appears, and the dashboard centers the map around it. No error or warning messages are displayed. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | With the CES map loaded, use the zoom-in button (+) in the top-left hand corner of the dashboard to zoom in to the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The CES map should zoom in with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Use the zoom-out button (-) in the top-left hand corner of the dashboard to zoom out of the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The CES map should zoom out with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Within the Survey Viewer, select the “ICA Calgary” Venue. |
| **Expected Result** | The ICA Calgary map overlay in Calgary appears, and the dashboard centers the map around it. No error or warning messages are displayed. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 5 | **Test Step** | With the ICA Calgary map loaded, use the zoom-in button (+) in the top-left hand corner of the dashboard to zoom in to the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The ICA Calgary map should zoom in with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 6 | **Test Step** | Use the zoom-out button (-) in the top-left hand corner of the dashboard to zoom out of the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The ICA Calgary map should zoom out with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 7 | **Test Step** | Within the Survey Viewer, select the “TDK\_HQ\_Nihonbashi” Venue. |
| **Expected Result** | The TDK HQ Nihonbashi map overlay in Tokyo appears, and the dashboard centers the map around it. No error or warning messages are displayed. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 8 | **Test Step** | With the TDK HQ Nihonbashi map loaded, use the zoom-in button (+) in the top-left hand corner of the dashboard to zoom in to the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The TDK HQ Nihonbashi map should zoom in with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 9 | **Test Step** | Use the zoom-out button (-) in the top-left hand corner of the dashboard to zoom out of the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The TDK HQ Nihonbashi map should zoom out with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Map Scrolling and Venue Refresh

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| Test Design Details | |
| **Test Description** | Select the ICA Calgary Venue. Scroll around the map using the mouse (click-and-drag) and verify that the map tiles load as the focal point of the dashboard changes. Refresh the venue to return to the default view. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Viewer, select the “ICA Calgary” Venue. Scroll around the map using the mouse (click-and-drag) in all cardinal directions  Cardinal-Directions - TED IELTS |
| **Expected Result** | The map tiles should load continuously as the focal point of the dashboard changes. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | With the ICA Calgary out of center focus after scrolling, click the Venue Refresh button next to the venue name. |
| **Expected Result** | The venue should refresh, and re-load the venue back to its default state in the center of the map. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Map Views

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Select the ICA Calgary Venue and select the different map options to display load map tiles from different sources. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Viewer, select the “ICA Calgary” Venue. Ensure that the “Google Maps” option is selected from the Map Tiles list. |
| **Expected Result** | Google Maps tiles should load around the venue. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** | *u* |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Select the “Open Street Maps” option from the Map Tiles list. |
| **Expected Result** | Open Street Maps tiles should load around the venue. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Select the “Google Satellite Maps” option from the Map Tiles list. |
| **Expected Result** | Google Satellite Maps tiles should load around the venue. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Select the “None” option from the Map Tiles list. |
| **Expected Result** | No map tiles should load around the venue – a plain gray background should appear. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Map Overlays

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Select the ICA Calgary Venue and select the different map overlays to display various information types on the map. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Viewer, select the “ICA Calgary” Venue. Ensure that the “None” option for the overlay is selected. |
| **Expected Result** | The map should show only the venue overlay on top of the map tiles. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Select the “Estimated Mag+Wi-Fi Position Accuracy” option for the overlay. |
| **Expected Result** | A coloured grid (green, yellow, and red) should populate over top of the venue map, showing estimated accuracy based on combined Magnetometer and Wi-Fi Positioning Accuracy. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Select the “Estimated Magnetic Position Accuracy” option for the overlay. |
| **Expected Result** | A coloured grid (green, yellow, and red) should populate over top of the venue map, showing estimated accuracy based on Magnetic Positioning Accuracy. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Select the “Coverage” option for the overlay. |
| **Expected Result** | A coloured grid (green, yellow, and red) should populate over top of the venue map, showing survey coverage in each grid square. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* 1. Survey Editor
     1. Venue Display and Zoom Levels

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Select 3 different venues. The dashboard should load each of the venues, and they should all load and center around the map, and the zoom functionality should allow us to zoom in and out. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “CES” Venue. |
| **Expected Result** | The CES map overlay in Las Vegas appears, and the dashboard centers the map around it. No error or warning messages are displayed. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | With the CES map loaded, use the zoom-in button (+) in the top-left hand corner of the dashboard to zoom in to the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The CES map should zoom in with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Use the zoom-out button (-) in the top-left hand corner of the dashboard to zoom out of the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The CES map should zoom out with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Within the Survey Editor, select the “ICA Calgary” Venue. |
| **Expected Result** | The ICA Calgary map overlay in Calgary appears, and the dashboard centers the map around it. No error or warning messages are displayed. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 5 | **Test Step** | With the ICA Calgary map loaded, use the zoom-in button (+) in the top-left hand corner of the dashboard to zoom in to the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The ICA Calgary map should zoom in with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 6 | **Test Step** | Use the zoom-out button (-) in the top-left hand corner of the dashboard to zoom out of the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The ICA Calgary map should zoom out with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 7 | **Test Step** | Within the Survey Editor, select the “TDK\_HQ\_Nihonbashi” Venue. |
| **Expected Result** | The TDK HQ Nihonbashi map overlay in Tokyo appears, and the dashboard centers the map around it. No error or warning messages are displayed. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 8 | **Test Step** | With the TDK HQ Nihonbashi map loaded, use the zoom-in button (+) in the top-left hand corner of the dashboard to zoom in to the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The TDK HQ Nihonbashi map should zoom in with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 9 | **Test Step** | Use the zoom-out button (-) in the top-left hand corner of the dashboard to zoom out of the map. Click the zoom button 3 times, successively. |
| **Expected Result** | The TDK HQ Nihonbashi map should zoom out with each click with the map tiles surrounding the venue loading appropriately. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Map Scrolling and Venue Refresh

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| --- | --- |
| Test Design Details | |
| **Test Description** | Select the ICA Calgary Venue. Scroll around the map using the mouse (click-and-drag) and verify that the map tiles load as the focal point of the dashboard changes. Refresh the venue to return to the default view. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA Calgary” Venue. Scroll around the map using the mouse (click-and-drag) in all directions (up, down, left, and right).  Cardinal-Directions - TED IELTS |
| **Expected Result** | The map tiles should load continuously as the focal point of the dashboard changes. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | With the ICA Calgary out of center focus after scrolling, click the Venue Refresh button next to the venue name. |
| **Expected Result** | The venue should refresh, and re-load the venue back to its default state in the center of the map. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Map Views

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| Test Design Details | |
| **Test Description** | Select the ICA Calgary Venue and select the different map options to display load map tiles from different sources. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA Calgary” Venue. Ensure that the “Google Maps” option is selected from the Map Tiles list. |
| **Expected Result** | Google Maps tiles should load around the venue. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Select the “Open Street Maps” option from the Map Tiles list. |
| **Expected Result** | Open Street Maps tiles should load around the venue. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Select the “Google Satellite Maps” option from the Map Tiles list. |
| **Expected Result** | Google Satellite Maps tiles should load around the venue. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Select the “None” option from the Map Tiles list. |
| **Expected Result** | No map tiles should load around the venue – a plain gray background should appear. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Map Overlays

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| Test Design Details | |
| **Test Description** | Select the ICA Calgary Venue and select the different map overlays to display various information types on the map. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA Calgary” Venue. Ensure that the “None” option for the overlay is selected. |
| **Expected Result** | The map should show only the venue overlay on top of the map tiles. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Select the “Estimated Mag+Wi-Fi Position Accuracy” option for the overlay. |
| **Expected Result** | A coloured grid (green, yellow, and red) should populate over top of the venue map, showing estimated accuracy based on combined Magnetometer and Wi-Fi Positioning Accuracy. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Select the “Estimated Magnetic Position Accuracy” option for the overlay. |
| **Expected Result** | A coloured grid (green, yellow, and red) should populate over top of the venue map, showing estimated accuracy based on Magnetic Positioning Accuracy. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Select the “Coverage” option for the overlay. |
| **Expected Result** | A coloured grid (green, yellow, and red) should populate over top of the venue map, showing survey coverage in each grid square. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* 1. Route Drawing

**Route Drawing Rules**

|  |  |  |
| --- | --- | --- |
| **Rule** | **Recommended** | **Required (unless it cannot be avoided)** |
| **Total Route Length** | 70-200m | ≥40m |
| **Minimum number of turns** | ≥6 turns  90-degree turns | 4 turns minimum |
| **Straight Lines In-Between Turns** | 10-50m of straights between turns |  |
| **First and Last Segment** | ≥20m straight (no turns) | ≥15m straight (no turns) |
| **Other** | Avoid zig-zags and lots of U-turns  Keep routes simple. Do not try to survey too many rooms/areas in one route |  |

Note that the recommendations found under the “Other” row are best practice rules and are not actively verified by the software. Therefore, there are no test cases directly associated with the “Other” row.

* + 1. Normal Routes – Route Length

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Break route drawing rules individually based on route length. Based on the nature of the rule being broken, the web app should provide an appropriate warning / error. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route that is roughly 35 meters long. |
| **Expected Result** | The dashboard should issue an error, saying that total route length should be greater than 40 meters in length. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Draw a route that is roughly 65 meters long. |
| **Expected Result** | The dashboard should issue a Warning, saying that the recommended total route length is 70 meters. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Draw a route that is roughly 100 meters long. |
| **Expected Result** | The dashboard should not issue any warnings or errors **related to the length of the route**. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Normal Routes – Number of Turns

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| --- | --- |
| Test Design Details | |
| **Test Description** | Break route drawing rules individually based on number of turns. Based on the nature of the rule being broken, the web app should provide an appropriate warning / error. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route with 3 turns. |
| **Expected Result** | The dashboard should issue an error, saying that the minimum number of turns required on a route is 4. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Draw a route with 5 turns. |
| **Expected Result** | The dashboard should issue a Warning, saying that the recommended number of turns on a route is 6. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Draw a route with 8 turns. |
| **Expected Result** | The dashboard should not issue any warnings or errors **related to the number of turns in the route.** |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 5 | **Test Step** | Draw a route with 12 turns. |
| **Expected Result** | The dashboard should not issue an error saying that the number of turns in a route must be less than 10. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Normal Routes – Straight Lines in between Turns

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| --- | --- |
| Test Design Details | |
| **Test Description** | Break route drawing rules individually based on the length of straight lines in between turns. Based on the nature of the rule being broken, the web app should provide an appropriate warning / error. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route with two turns back-to-back (with less than 10 meters of straight line in between the turns). |
| **Expected Result** | The dashboard should issue a Warning, saying that the recommended minimum segment length is 10m. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Draw a route with 4 turns, with about 25 meters of straight line in between each of the turns. |
| **Expected Result** | The dashboard should not issue any warnings or errors **related to the distance in between turns.** |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Normal Routes – First and Last Segment

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Break route drawing rules individually based on the length of the first route segment and the last route segment. Based on the nature of the rule being broken, the web app should provide an appropriate warning / error. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route in a square, with each side of the square not exceeding 5 meters. Close the route from the last node to the first node. |
| **Expected Result** | The dashboard should issue an error, saying that the distance of the first and last segments must be at least 15 meters with no turns. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Draw a route in a square, with each side of the square being approximately 18 meters. Close the route from the last node to the first node. |
| **Expected Result** | The dashboard should issue a Warning, saying that the recommended distance of the first and last segments is 20 meters. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Draw a route in a square, with each side of the square being approximately 25 meters. Close the route from the last node to the first node. |
| **Expected Result** | The dashboard should not issue any warnings or errors **related to the distance between the first and last segment.** |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Normal Routes – Errors / Warnings

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| Test Design Details | |
| **Test Description** | Break two rules simultaneously while drawing a route. Depending on severity of the rules being broken, look for appropriate warnings / errors. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route with 2 turns and a total route length less than 40 meters. |
| **Expected Result** | The dashboard should issue two errors, saying that the route requires at least 4 turns and that the minimum distance is 40 meters. The route should turn orange. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Draw a route with 5 turns and a total route length of about 60 meters. The first and last segments should each exceed 20 meters. |
| **Expected Result** | The dashboard should issue two Warnings, saying that the   * recommended total route length is 70 meters * minimum recommended segment length is 10 meters. * minimum number of turns is 6   The route should be colored green while displaying the warnings. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Escalators

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| Test Design Details | |
| **Test Description** | Draw an escalator route and confirm that the route is saved by the dashboard. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route and select the “Escalator” option. Populate the following information:   * Route Name: Escalator-Test-Route-1 * Start Floor: 1 * End Floor: 2 |
| **Expected Result** | The dashboard should accept and save the escalator route. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Elevators

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| Test Design Details | |
| **Test Description** | Draw an elevator route and confirm that the route is saved by the dashboard. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route and select the “Elevator” option. Populate the following information:   * Route Name: Elevator-Test-Route-1 * Start Floor: 1 * End Floor: 2 |
| **Expected Result** | The dashboard should accept and save the elevator route. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Conveyor Belt

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| Test Design Details | |
| **Test Description** | Draw a conveyor belt route and confirm that the route is saved by the dashboard. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route and select the “Conveyor Belt” option. Populate the following information:   * Route Name: Conveyor-Belt-Test-Route-1 |
| **Expected Result** | The dashboard should accept and save the conveyor belt route. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Stairs

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| Test Design Details | |
| **Test Description** | Draw a stairs route and confirm that the route is saved by the dashboard. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route and select the “Stairs” option. Populate the following information:   * Route Name: Stairs-Test-Route-1 * Start Floor: 4 * End Floor: 3 |
| **Expected Result** | The dashboard should accept and save the stairs route. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | |
| **Test Case Verdict**  **(Pass / Fail)** |  |
| **Comments / Notes** |  |

* + 1. Crowd Source

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| Test Design Details | |
| **Test Description** | Draw a crowd-sourced route and confirm that the route is saved by the dashboard. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route and select the “Crowd Source” option. Draw a route with 4 turns. |
| **Expected Result** | The dashboard should accept and save the crowd-source route, and correctly populate the number of turns (4) as drawn. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Traversable Area

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| Test Design Details | |
| **Test Description** | Draw a Traversable Area route and confirm that the route is saved by the dashboard. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route and select the “Traversable Area” option. |
| **Expected Result** | The dashboard should accept and save the Traversable Area route. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Single Cell Survey

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| Test Design Details | |
| **Test Description** | Draw a single cell survey and confirm that the heading angle can be modified, and the survey can be saved by the dashboard. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route and select the “Single Cell” Option. Select a cell to save the selection. Within the Single Cell Survey box, modify the following fields:   * Route Name: Single-Cell-Test-Route-1 * Heading Angle: -65 degrees |
| **Expected Result** | The dashboard should accept and save the Single Cell Survey route and accept the modified heading angle. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Straight Line

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| Test Design Details | |
| **Test Description** | Draw a straight line and confirm that lines that do not meet specifications have the appropriate warning / error displayed. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, select the “ICA” Venue. In the Settings drop-down on the right-hand side of the map:   * Ensure that the “None” option for the overlay is selected * Enable the “Saved Routes” option |
| **Expected Result** | The Survey Editor page should enable route drawing functionality. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a route and select the “Straight Line” route. Draw the route so that it is 1 meter in length and does not exceed the size of a single cell. |
| **Expected Result** | The dashboard should show an error message stating that the straight-line survey must be more than 1 cell in length. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Draw a route and select the “Straight Line” route. Draw the route so that it is about 15 meters in length. |
| **Expected Result** | The dashboard should not show any warning or error messages. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Draw a route and select the “Straight Line” route. Draw the route so that it is about 25 meters in length. |
| **Expected Result** | The dashboard should not allow the user to generate the straight-line route and should produce an error message stating that the maximum length of a straight line route is 20 meters. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* 1. Route Uploads, Downloads, and Modification
     1. Save Routes to Cloud

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| Test Design Details | |
| **Test Description** | Draw a straight line and confirm that lines that do not meet specifications have the appropriate warning / error displayed. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, with all previously created routes still visible on the dashboard, click on the “Save survey routes to cloud” button. |
| **Expected Result** | All survey routes with accepted criteria will be saved to the cloud database. All survey routes with unacceptable criteria (orange color) will not be saved and will disappear from the dashboard view. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Re-name routes

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| Test Design Details | |
| **Test Description** | Rename existing routes. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, click on one of the routes created in previous steps (any route can be selected), and change the route name to the following English name:   * Route Name: Survey Test-1     Click the Save button and refresh the venue. |
| **Expected Result** | The selected survey route accepts and reflect the name change upon venue refresh. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | In the same route as the previous step, change the route name to the following Japanese name:   * Route Name: 調査試験-2   Click the Save button and refresh the venue. |
| **Expected Result** | The selected survey route accepts and reflect the name change upon venue refresh. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | In the same route as the previous step, change the route name to the following Korean name:   * Route Name: 설문 조사-3   Click the Save button and refresh the venue. |
| **Expected Result** | The selected survey route accepts and reflect the name change upon venue refresh. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | In the same route as the previous step, change the route name to the following Chinese name:   * Route Name: 调查测试-4   Click the Save button and refresh the venue. |
| **Expected Result** | The selected survey route accepts and reflect the name change upon venue refresh. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Delete Routes

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| Test Design Details | |
| **Test Description** | Delete existing routes. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, click on one of the routes created in previous steps (any route can be selected). Click the “Delete” button. |
| **Expected Result** | The selected survey route is deleted. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Within the Survey Editor, click on the Trash can icon. With the trash can icon selected, click on two of the routes made in previous steps (any routes can be selected). After selecting all applicable routes, click the save button. |
| **Expected Result** | The selected survey routes are deleted. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Recover Routes

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| Test Design Details | |
| **Test Description** | Recover previously deleted routes. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor,   * Click on the “Saved Routes” button * Navigate to the “Deleted Routes” tab * Click on the “Show History” button on the desired route * Navigate to the route ID tab * Click “Restore” |
| **Expected Result** | The selected survey route is returned to the dashboard and deletion is reversed. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Within the Survey Editor, click on the Trash can icon. With the trash can icon selected, click on two of the routes made in previous steps (any routes can be selected). After selecting all applicable routes, click the save button. |
| **Expected Result** | The selected survey routes are deleted. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Download Routes

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| Test Design Details | |
| **Test Description** | Download newly drawn routes. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/>  **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Within the Survey Editor, draw in new routes. Click on the download button to download them to the device. |
| **Expected Result** | The new routes are downloaded to the computer in a JSON format. Ensure that the downloaded routes are not saved to the ICA instance. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Upload Routes

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| Test Design Details | |
| **Test Description** | Upload routes to the venue, in JSON format. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/>  **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing.  Note that the downloaded routes from the previous test case step (3.5.5) are required for this test case. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Click the Upload button and select the routes downloaded from Test Case 3.5.5. Re-upload them to the venue. |
| **Expected Result** | The new routes are uploaded to the venue. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Route Count

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| Test Design Details | |
| **Test Description** | Verify that accepted routes increment the total route count. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Take note of the current route count for the ICA venue. Record the numbers of all existing routes. |
| **Expected Result** | N/A |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** | *N/A* |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Draw a normal route, adhering to all rules so that the route is coloured green. |
| **Expected Result** | The total count for normal routes should increment by 1. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Draw an escalator route, adhering to all rules so that the route is coloured green. |
| **Expected Result** | The total count for escalator routes should increment by 1. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Draw an elevator route, adhering to all rules so that the route is coloured green. |
| **Expected Result** | The total count for elevator routes should increment by 1. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 5 | **Test Step** | Draw a conveyor belt route, adhering to all rules so that the route is coloured green. |
| **Expected Result** | The total count for conveyor belt routes should increment by 1. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 6 | **Test Step** | Draw a stairs route, adhering to all rules so that the route is coloured green. |
| **Expected Result** | The total count for stairs routes should increment by 1. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 7 | **Test Step** | Draw a crowd-source route, adhering to all rules so that the route is coloured green. |
| **Expected Result** | The total count for crowd-sourced routes should increment by 1. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 8 | **Test Step** | Draw a traversable area route, adhering to all rules so that the route is coloured green. |
| **Expected Result** | The total count for traversable area routes should increment by 1. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 9 | **Test Step** | Draw a single cell route, adhering to all rules so that the route is coloured green. |
| **Expected Result** | The total count for single cell routes should increment by 1. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 10 | **Test Step** | Draw a straight-line route, adhering to all rules so that the route is coloured green. |
| **Expected Result** | The total count for straight-line routes should increment by 1. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 11 | **Test Step** | Don’t save the routes to the venue. |
| **Expected Result** | Verify that the routes are not saved to the cloud. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* 1. Access Points
     1. Source, White, and Ignore List

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Collect survey data for a route and manually re-build the fingerprint. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/>  **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Select a route from one of the routes that has been generated in a previous test case and collect survey data using a mobile phone. (TODO: Include a reference to the work procedure here). |
| **Expected Result** | N/A |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Manually re-build the fingerprint. |
| **Expected Result** | The source list should populate with MAC addresses. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Clear all of the MAC address entries in the ignore and whitelist. |
| **Expected Result** | N/A |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Manually input the following MAC addresses into the whitelist:   * A1:B2:C3:D4:E5:F6 * A1:B2:C3:D4:E5:XX * a1:b2:c3:d4:xx:xx * A1:B2:C3:XX:xx:1E * A1:B2:C3:XX:E5:XX * C3:D4:E5:F6:A7:B8 |
| **Expected Result** | The fingerprint should re-build within 15 minutes. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 5 | **Test Step** | Clear the whitelist of all entries input via the previous step, and upload the following CSV file into the white list:    Click save to save the changes. |
| **Expected Result** | The whitelist should have the same MAC addresses populated as in Step 3. The fingerprint should re-build within 15 minutes. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 6 | **Test Step** | Clear the whitelist. Manually input the following MAC Addresses into the ignore list:   * B1:B2:C3:D4:E5:F6 * B1:B2:C3:D4:E5:XX * B1:b2:c3:d4:xx:xx * B1:B2:C3:XX:xx:1E * B1:B2:C3:XX:E5:XX * B3:D4:E5:F6:A7:B8 |
| **Expected Result** | The finger-print should rebuild within 15 minutes. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 7 | **Test Step** | Clear the ignore list of all entries input via the previous step, and upload the following CSV file into the ignore list:    Click save to save the changes. |
| **Expected Result** | The ignore list should have the same MAC addresses populated as in Step 6. The fingerprint should re-build within 15 minutes. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| test steps | | |
| **#** | **Field** | **Description** |
| 8 | **Test Step** | Clear the ignore and white-list, and then upload the following CSV to the ignore list:    And upload the following CSV to the whitelist:    Click save to save the changes. |
| **Expected Result** | The fingerprint should re-build. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Move Entries

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Drag MAC address entries between source, white, and ignore lists. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/>  **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Drag two entries (whichever entries you prefer) between the Source List and the White List. |
| **Expected Result** | The addresses should move to the whitelist from the source list. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Drag two entries (whichever entries you prefer) between the Source List and the Ignore List. |
|  | **Expected Result** | The address should move to the ignore list from the source list. |
|  | **Actual Result** |  |
|  | **Test Step Verdict (Pass / Fail)** |  |
|  | **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Drag all entries from the whitelist and the ignore list back to the source list. |
| **Expected Result** | All addresses should move from the appropriate list back to the source list. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Select two entries (whichever entries you prefer) in the Source List and use the arrows within the UI to move them to the White List. |
| **Expected Result** | The addresses should move to the whitelist from the source list. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 5 | **Test Step** | Select two entries (whichever entries you prefer) in the Source List and use the arrows within the UI to move them to the Ignore List. |
| **Expected Result** | The address should move to the ignore list from the source list. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* 1. Beacon Entry
     1. Adding Beacons

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Collect survey data for a route and manually re-build the fingerprint. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/>  Venue: ICA\_Calgary |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Using the ICA\_Calgary venue, enable the beacon view in the right side settings menu: |
| **Expected Result** | The beacon controls are no longer greyed out: |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Click the beacon icon to add a beacon. |
| **Expected Result** | The beacon menu should pop up: |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Enter values for each item and click “Save”:   |  |  | | --- | --- | | PROXIMITY\_UUID | f7826da6-4fa2-4e98-8024-bc5b71e0893e | | MAJOR | 4 | | MINOR | 21 | | POWER | -77 | | FLOOR | Fourth Floor | | ALTITUDE | 4 | | TYPE | 7 | | BRAND | Aplix | |
| **Expected Result** | The beacon should appear and follow the mouse, ready to be placed in the map. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 4 | **Test Step** | Click somewhere in the map to place the beacon. |
| **Expected Result** | It should be placed but stay red until it is saved. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Do this with 2 more beacons:   |  |  |  | | --- | --- | --- | | PROXIMITY\_UUID | f7826da6-4fa2-4e98-8024-bc5b71e0893e | f7826da6-4fa2-4e98-8024-bc5b71e0893e | | MAJOR | 4 | 4 | | MINOR | 22 | 23 | | POWER | -77 | -77 | | FLOOR | Fourth Floor | Fourth Floor | | ALTITUDE | 4 | 4 | | TYPE | 1 | 1 | | BRAND | Aplix | Aplix |   Then click the save button: |
| **Expected Result** | The beacon should appear and follow the mouse, ready to be placed in the map. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. Editing Beacons

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Drag MAC address entries between source, white, and ignore lists. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Doubleclick one of the beacons you just created and change the power level to -69dbm.  Then click Save. |
| **Expected Result** | The beacon should appear red and be ready for uploading. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | For another beacon you just created, move it by dragging it to a new location. |
| **Expected Result** | It should appear red and be ready for uploading. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 3 | **Test Step** | Click to save the changes. |
| **Expected Result** | The changes should be accepted. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

* + 1. Deleting Beacons

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Drag MAC address entries between source, white, and ignore lists. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/>  **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | One by one, double-click each of the new beacons you added (3) and click “Delete”. |
| **Expected Result** | The beacons should disappear from the map. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Click the save button: |
|  | **Expected Result** | The changes should be accepted and those beacons should be gone. |
|  | **Actual Result** |  |
|  | **Test Step Verdict (Pass / Fail)** |  |
|  | **Comments / Notes** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* 1. Fingerprint Controls
     1. FPBL Builder – FPBL Survey

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Re-build the fingerprint using the FPBL Survey Option. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/>  **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Click the Fingerprint Builder button, and from the pop-up menu select the FBPL – Survey option. Click the Reprocess button. |
| **Expected Result** | The fingerprint builds within 15 minutes. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | In the bottom-left of the screen and check the timestamp of the latest fingerprint build. It should reflect the latest request from Step 1. |
| **Expected Result** | The fingerprint is re-built and properly recorded within the status message in the lower-left hand side of the screen. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. FPBL Builder – Beacon Recommendation

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Re-build the fingerprint using the Beacon Recommendation Option. |
| **Test Environment** | Google Chrome, Version 93 or higher  <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | Click the Fingerprint Builder button, and from the pop-up menu select the Beacon Recommendation option. Leave the default max. beacon config box checked. Click the Reprocess button. |
| **Expected Result** | The fingerprint builds within 15 minutes. The beacons should be visible on each floor. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 2 | **Test Step** | Click the Fingerprint Builder button, and from the pop-up menu select the Beacon Recommendation option. Set the beacon recommendation tool to 5 beacons on each floor. Click the Reprocess button. |
| **Expected Result** | The fingerprint builds within 15 minutes. There should be 5 beacons visible on each floor. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. FPBL Builder – Survey and Crowdsource

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Re-build the fingerprint using the Survey and Crowdsource Option. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

|  |  |  |
| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | This functionality is still experimental, and no tests exist. |
| **Expected Result** | N/A – needs to be implemented. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

* + 1. FPBL Builder – Crowdsource Incremental

|  |  |
| --- | --- |
| Test Design Details | |
| **Test Description** | Re-build the fingerprint using the Crowdsource Incremental Option. |
| **Test Environment** | Google Chrome, Version 93 or higher <https://survey-test.venuepositioning.com/> **Important:** The venue should always be “ICA”. Other venues should never be used since it could alter fingerprint data and cause issues during app testing. |
| **Configuration Settings** | Make sure that your web browser is set to 100% zoom. |

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| --- | --- | --- |
| test steps | | |
| **#** | **Field** | **Description** |
| 1 | **Test Step** | This functionality is still experimental, and no tests exist. |
| **Expected Result** | N/A – needs to be implemented. |
| **Actual Result** |  |
| **Test Step Verdict (Pass / Fail)** |  |
| **Comments / Notes** |  |

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| --- | --- | --- | --- |
| Test Execution SUMMARY | | | |
|  | **Decision** | **Number of Pass** | **Number of Fail** |
| **Test Case Verdict**  **(Pass / Fail)** |  |  |  |
| **Comments / Notes** |  | | |

1. Lessons Learned

Document any and all lessons learned during test execution, as applicable. Lessons learned may include the need for script / tooling updates, inefficiencies in test procedures, identified gaps in test coverage, etc. The goal of documenting lessons learned is to utilize experience from test execution to improve the testing process.

|  |  |
| --- | --- |
| # | Lesson Learned |
|  |  |

1. Future Work

Document any future work that is intended to be completed before the next execution of the test plan. Future work is typically identified as an action item in response to the lessons learned, but this is not always the case.

|  |  |  |
| --- | --- | --- |
| # | Future Work | STATE |
|  |  |  |