Marketing Team One

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| Daily Verification Test Migration Plan\* | | |
| **Steps** | **Tasks** | **Due Date** |
| 1 | Repository Decision | 18-Aug |
| 2 | QA Team JAVA/Conversion Discussion | 20-Aug |
| 3 | Set Constants/Functions to Start | unknown |
| 4 | HAL Destinations Conversion | unknown |
| 5 | HAL Cruise Finder Conversion | unknown |
| 6 | HAL Special Offers Conversion | unknown |
| 7 | HAL Cruise Finder - Dutch | unknown |
| 8 | HAL Cruise Finder - German | unknown |
| 9 | HAL Cruise Finder - Spanish | unknown |
| 10 | HAL Ships | unknown |
| 11 | HAL For Booked | unknown |
| 12 | HAL Footers | unknown |
| 13 | HAL My Account | unknown |
| 14 | HAL TAHQ | unknown |
| 15 | HAL Currency | unknown |
| 16 | HAL Change Email | unknown |
| 17 | HAL Change Password | unknown |
| 18 | HAL Security Questions | unknown |
| 19 | HAL Dutch | unknown |
| 20 | HAL German | unknown |
| 21 | HAL Spanish | unknown |
| 22 | HAL Booking - English US | unknown |
| 23 | HAL Booking -Dutch NL | unknown |
| 24 | HAL Booking - German DE | unknown |
| 25 | HAL Booking - Spanish ES | unknown |
| 26 | HAL Booking - Disabled | unknown |
| 27 | HAL Legal - US | unknown |
| 28 | HAL Legal - UK | unknown |
| 29 | HAL Legal - DE | unknown |
| 30 | HAL Legal - AT | unknown |
| 31 | HAL Legal - CH | unknown |
| 32 | HAL Legal - CN | unknown |
| 33 | HAL Legal - AU | unknown |
| 34 | SBN Cruise Finder | unknown |
| 35 | SBN Special Offers | unknown |
| 36 | SBN Cruise Finder - German | unknown |
| 37 | SBN Destinations | unknown |
| 38 | SBN Ships | unknown |
| 39 | SBN For Booked | unknown |
| 40 | SBN My Seabourn | unknown |
| 41 | SBN TAC | unknown |
| 42 | SBN Currency | unknown |
| 43 | SBN Change Email | unknown |
| 44 | SBN Change Password | unknown |
| 45 | SBN Security Questions | unknown |
| 46 | SBN German | unknown |
| 47 | SBN Booking | unknown |
| 48 | SBN Booking - German DE | unknown |
| 49 | SBN Booking - Disabled | unknown |
| 50 | SBN Legal - US | unknown |
| 51 | SBN Legal - UK | unknown |
| 52 | SBN Legal - DE | unknown |
| 53 | SBN Legal - AT | unknown |
| 54 | SBN Legal - CH | unknown |
| 55 | SBN Legal - CN | unknown |
|  | \* The unknown dates will be filled in after the first conversions, when the work needed will be better known. |  |

Daily Verification Test Run

**Install Selenium IDE:**

1. For consistency with this document references and scripts, create a folder “Selenium” on the C: drive
2. Create a folder called Scripts in the Selenium folder
3. Place the scripts in this folder called “Scripts”
4. Create a folder called “screenshots”
   1. There is a command in selenium to store the pictures here, might be case sensitive
5. The screenshots will go into this folder.
6. Before running any test, another piece of setup needs to take place
   1. Launch Selenium IDE
   2. Go to the Options menu, click on Options
   3. Add the path and file name to the “Selenium Core Extensions” line
   4. Example - “C:\Selenium\Scripts\goto\_sel\_ide.js”
   5. On the bottom of the dialog box uncheck “Start recording immediately on open”
   6. Click OK and then restart Selenium in order for the changes to be accepted in the test run

Note: Add add-ons “File Logging (Selenium IDE)” and “ScreenShot on Fail (Selenium IDE)”.  (*And yes technically, FF considers Selenium IDE an add-on*)

**Running Selenium IDE Test Scripts:**

**Set file logging in the Log pane.**

1. Click on File Logging.
2. Click Show Options.
3. Set a location and name for the log file
   1. Example: C:\Selenium\Daily\_11.04.15.Part1.txt
4. Set File Logging Level to Info.
5. Check Log time stamp and Save log in Unicode.
6. Click OK.

**Set ScreenShot on Fail location.**

1. Ciick the red button next to the test speed slider.
2. Click the arrow next to the red button.
3. In the drop-down select Change reports folder.
4. In the selector, specify C:\Selenium\screenshots
   1. The app will reset this to Scripts in my experience; if a selection is not made, the error screenshots will not be recorded

**Part 1 test – WORK\_PT1** (Sets up the start of the test suite)

1. First to open all test in one selection hit CTRL-O
2. In the “Constants” script, you will need to make a change to the date, use current date
   1. Sets constants for use in all the scripts; mostly locators
3. Click on the “Play entire test suite”
4. The “WORK\_PT1” and “Constants” scripts will run, then pause.
   1. At this point lower the speed about 25%
   2. Resume the test by clicking on “Pause/Resume” button
5. Watch the test run
   1. Or don’t—that’s the point of test automation. J
6. If all is well, you will see green
7. For failures, you will have red test in the outline
   1. Double-click on the red test and the errors will appear as red commands in the Table pane.
   2. Errors on “clickAndWait” commands are simply timeouts; the default timeout is 30 seconds.  If the following commands are green, the test continued after successfully going to the specified page.
   3. Some errors (especially in Part2) can be found in the dates
      1. Dates need to be updated either daily or weekly based on cruise dates on search pages
   4. Some errors are text changes on the specified page.  In this case the text being looked for needs to be changed
      1. Find the page where the error occurred and right-click to get a list of commands.
      2. Select the command that matches the error and click on that.
      3. Delete the error command and save the change to the script.
   5. Rarely the error is a changed locator (in some commands, the Target).
      1. In the case of a changed locator, the script will often fail at this point.
      2. Find the location in question (if you can) and put the new locator in the script and delete the old.
      3. If you can’t find the problem, just delete the command, unless it would cause a problem with the script continuing.
   6. Determining the cause of errors can be aided by the use of the error screenshots.

After running a Test Suite and capturing and fixing any errors, close the Selenium IDE application, clear the cookies and cache then reopen Selenium IDE and set up as before.

**Part 2 test – WORK\_PT2** (Cruise Finder)

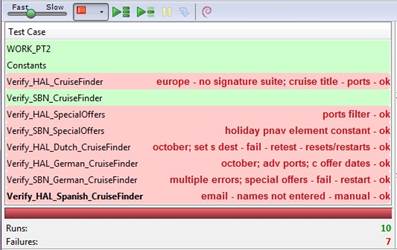
*Note: Part 2 is adjusted often, the HAL\_CruiseFinder and SBN\_CruiseFinder tests checks for the count of all voyages*

1. First to open all test in one selection hit CTRL-O
2. In the “Constants” script, you will need to make a change to the date, use current date
3. Click on the “Play entire test suite”
4. The “Constants” script will run, then pause.
   1. At this point lower the speed about 25%
   2. Resume the test by clicking on “Pause/Resume” button
5. Watch the test run
6. If all is well, you will see green
7. For failures, you will have red test in the outline
   1. Double-click on the red test and the errors will appear as red commands in the Table pane.
   2. Errors on “clickAndWait” commands are simply timeouts; the default timeout is 30 seconds.  If the following commands are green, the test continued after successfully going to the specified page.
   3. Some errors (especially in Part2) can be found in the dates
      1. Dates need to be updated either daily or weekly based on cruise dates on search pages
   4. Some errors are text changes on the specified page.  In this case the text being looked for needs to be changed
      1. Find the page where the error occurred and right-click to get a list of commands.
      2. Select the command that matches the error and click on that.
      3. Delete the error command and save the change to the script.
   5. Rarely the error is a changed locator (in some commands, the Target).
      1. In the case of a changed locator, the script will often fail at this point.
      2. Find the location in question (if you can) and put the new locator in the script and delete the old.
      3. If you can’t find the problem, just delete the command, unless it would cause a problem with the script continuing.
   6. Determining the cause of errors can be aided by the use of the error screenshots.

After running a Test Suite and capturing and fixing any errors, close the Selenium IDE application, clear the cookies and cache then reopen Selenium IDE and set up as before.

Post Test results and Updates:

After running the script, get screenshots of the IDE make notes on the failures to review the errors:



Recording of the errors is basically for quick reference in case of questions. The full recapture of errors (if needed—very rare) is best done in the log and the error screenshots.

**Current Issues using Selenium IDE:**

Proposal to change IDE test cases to Web Drivers or Protractor

* Issues with comparing strings
* Broken Test are being caused by comparing strings to verify against CMS changes
  + Test should be changed to Selenium Web Drivers
* Stash has Web driver test cases that check that the string has length instead of doing a comparison. This does not break the test, allows minor changes
  + String comparisons on a site where the CMS changes the page contents daily
* Protractor is coming soon to all test automation, but not all of the front end is angular yet, so protractor could potentially fail in spots