**ENSEK Test Plan**

**Introduction**

This document is to detail the planned testing of the ENSEK Automation Candidate Website.

**Objectives**

The objectives of this document are:

* To provide a planning tool for the different activities needed to validate the solution.
* To define what is in scope and out of scope.
* To identify roles and responsibilities for this validation activity.
* To provide an overview of the test approach to be taken.
* To detail the test artifacts that will be produced.
* To identify general release acceptance criteria for the validation of the solution.

**In Scope**

The following items are considered in scope for this validation of the solution. Any items that are out of scope will be explicitly mentioned in this document including a justification.

* Buying Energy functionality
* Main Navigation links
* Exploratory testing

**Out of Scope**

The following items are considered out of scope for this validation of the solution.

* Selling Energy functionality – because this feature is currently in maintenance.
* Automation Testing – this will be developed in future releases.
* Non-Functional Testing – this will be conducted as a separate validation package.
* Regression Testing – this is the first release of the solution.
* Accessibility Testing – this will be conducted as a separate validation package.
* User Authentication/Management – this will be conducted as a separate validation package.

**Assumptions**

The following assumptions exist around validation of the solution.

* All testable items in the scope of the testing are baselined and under version control.
* Test environment is installed and configured.
* Solution under test is deployed and available.

**Roles and Responsibilities**

The following individuals are included in the validation process.

|  |  |  |
| --- | --- | --- |
| Name | Job Title | Responsibility |
| Glynn Harrold | Software Tester | Testing |
| Mihir Gawand | Tribe Engineering Manager | Approval |

**Testing Approach**

The tests will be performed on a manual basis, with evidence gathered in the form of screenshots.

This will be functional testing to cover the areas specified in the scope section.

The main acceptance testing will be carried out using Chrome.

Exploratory testing will be carried out.

Cross-browser sanity checking will be carried out using Firefox and MS Edge as part of exploratory testing.

**Test Artifacts**

The following artifacts will be produced to support this validation phase.

* Test Scripts and results in Word document
  + **File**: Ensek Website Tests.docx
* Test Evidence (screenshots) in Word document
  + **File**: Ensek Website Test Evidence.docx
* Exploratory testing in a Freemind mindmap
  + **File**: Ensek Website Exploratory Testing.mm

Any defects found will be recorded in a Word documents (stored in the **Defects** folder) with reference to the failing test.

**Acceptance Criteria**

The solution will be deemed releasable when all tests will have been executed.

Any failing test has a defect raised against it.

All serious defects found have been fixed.

Any minor defects still open will be tolerated.