**Test Specification – Martin Byrne**

The testing to be carried out on the Marine Wallpaper Estimates Application is Functional Testing as there is no source code provided so only functionality can be tested. Exploratory Testing will be used to check Error Messages using invalid entries and calculations on business rules using valid entries. The purpose of the testing is to test that:

* TS-01 App opens as normal when requested to do so and displays correct banner and layout information
* TS-02 All Error Messages are in Accordance with the Specification for a given set of invalid inputs or sequence of commands.
* TS-03 All calculations are calculated accurately in accordance with the formulae that have been provided
* TS-04 File functionality such as creation, opening, appending and importing the created file occurs without error.
* TS-05 Functionality test will be carried out on the Open, Close and Exit menu options in line with programme specifications.

The Test Plan specifies all the test cases, inputs, test data and expected outcomes for all the inputs used in the test.

The Test Log specifies all the expected outcomes and actual outcomes for all the inputs used in the test. In addition the Test log records discrepancies between expected and actual values.

The Test Report contains a list of all Errors or Defects found during testing, proposals to rectify the errors, and a summary of the test findings against the Specification.

**Resources**

**Hardware**

Intel i7-G6700 @ 3.40 GHz

16.00 GB Ram

118 GB Hard Drive

Kyotech UTAX P-4020DN Laser printer

**Software**

Microsoft Windows 10 Professional 64 bit

Microsoft Excel 2016

Microsoft Word 2016

Microsoft Access 2016

Wall Paper Application

Programme Specifications

Software Tester Martin Byrne

**Schedule**

The tests are run in sequence using the test number.

The sequence followed can be summarised as follows:

* TS-01 App opens as normal when requested to do so and displays correct banner and layout.

Test Case 1

* TS-02 All Error Messages are in Accordance with the Specification for a given set of invalid inputs or sequence of commands.

Test Case 2, 4 - 15

* TS-03 All calculations are calculated accurately in accordance with the formulae that

have been provided

Test Case 16 - 28

* TS-04 Functionality test will be carried out on the Clear Estimate and Exit button in line with programme specifications.

Test Case 29 - 30

* TS-05 Functionality test will be carried out on the Open, Close and Exit menu options in line with programme specifications

Test Case 30 - 33