



# Project eSpire

Project eSpire Functional Test Plan for Milestone A v1.0

Date of Issue: 8<sup>th</sup> August 2011

Project eSpire

Functional Test Plan Milestone A v1.0

Version No.	Affected Page	Reason for change	Effective Date
1.0	New Document	NA	1 <sup>st</sup> Aug 2011

<p>Prepared By:</p>  <hr/> <p>Chen Junfan System Analyst Team Ascension</p>	<p>Reviewed By:</p>  <hr/> <p>Ng Choon Teck Project Manager Team Ascension</p>	<p>Approved By:</p>  <hr/> <p>Ong Han Ying Project Manager YDC</p>
---	--	--

## 1. Objective

This test plan outlines the functionality test and its details that will be performed on eSpire project during the User Acceptance Test (UAT) for milestone A. The objective of this test is to ensure that:

- ✓ Functionalities in the specifications are met
- ✓ Integration between the different modules of all the systems works together correctly; and
- ✓ Integration between all the systems and interfaces, both internally and externally, works together as expected

## 2. Scope

The following describes the UAT scope for milestone A.

### 2.1 Introduction

In Milestone A, all 3 system applications which collectively called eSpire project will be involved in UAT.

### 2.2 In Scope

#### 1. Web Portal

2. **Management Portal** - Traffic management module, report configurations, Administrative functions

3. **Android Application** - connection to Sanctuary house server, node dollars, comment, MCQ and supermarket module, grouping function.

### 2.3 Out of scope

Prioritization and scenario modules are excluded.

## 3. Owner's Responsibilities

UAT Test Manager: Chen Junfan

The test manager responsibilities are to ensure the following:

- ✓ The test cases and test environment are properly set up
- ✓ Test agenda and schedule have been laid out clearly before the test
- ✓ Test equipments and test processes are set up

## 4. Abbreviations

The following terms and its intended meaning will be used frequently throughout the UAT.

Acronym	Description
---------	-------------

UAT	User Acceptance Testing
Owner	Person in charge and responsible for assigned tasks

[Please define any specific terms that are used as part of this test plan. This could include terminology from the system / vendor which are new to the Bank. Example Below:]

Term	Definition
White-Box Testing	White Box Testing refers to tests that are run on application with the knowledge of the internal working of the code base.
Black-Box Testing	Black Box Testing refers to tests that are run on application without the knowledge of the internal working of the code base.

## 5. Conventions used

The traffic lights approach will be used to indicate the satisfaction of project sponsor for UAT, baseline against milestone A's UAT.

## 6. References

The following references are made with respect to the UAT test plan.

No.	Document	File name	Remark
1	Project Schedule	eSpire Project Schedule	Baseline against milestone B

## 7. Testing Strategy

### 7.1 Test Approach

#### 7.1.1 Manual Testing Approach

The testing approach includes the following:

- 1) Black box testing techniques would be used. End-users would not be viewing the codes directly. They will be observing how the test cases are run on the user interface of the applications.
- 2) Test cases created to cover functional, interface and end-to-end scenarios.
- 3) The data source for testing to be created manually.
- 4) Performance testing will also be created for Operations Tracking Application.
- 5) Two cycles (if necessary) of UAT for milestone B will be completed by 10<sup>th</sup> Aug

## 8. Testing Preparations

### 8.1 Test Data Requirements

There will be 2 sets of data used throughout the entire UAT. The first set of data is created based on the access rights of a user manager in the management portal and an administrator in the operations tracking device. The second set of the data is created based on the access rights of a user in the management portal and a facilitator in the operations tracking application.

### 8.2 Test Environment

The UAT will be completed in 2 phases for milestone B. The first phase of testing will be conducted internally at UPL lab with our assigned school server. Subsequently, phase 2 testing will be conducted at Sanctuary House's server for deployment and trial.

### 8.3 Testing Logistics

The logistics required for testing are listed as follows:

Logistic requirement	Quantity	Location	Duration
Server	1	UPL/Sanctuary House	2
test cases	1	UPL/Sanctuary House	2
Android device	1	UPL/Sanctuary House	2
Internet connection	1	UPL/Sanctuary House	2

Note: The logistic covers only for the period of testing.

### 8.4 Testing Criteria

The following describes the different level of testing criteria recorded and classified during the UAT.

SIR Severity Level	Description	Expected Turn Around time
0-Show stopper	Defect that results in a system or critical business function failure, without alternative workaround #	Resolved Within 48 hours, recorded in bug log
1-Major	Defect that results in a system or critical business function failure, with alternative workaround #	Resolved Within 72 hours, recorded in bug log
2-Minor	Defect that results an impact on system usage of non critical business function, with alternative workaround	To be recorded in bug log and resolved by next UAT
3-Cosmetic/Trivial	Defect that is cosmetic and have low or no	To be recorded

	impact to system usage	in bug log and resolved by next UAT
--	------------------------	-------------------------------------

## 9. Testing Schedule

The testing schedules are as follows:

8 <sup>th</sup> August 2011, Friday			
Time	Activities	Location	Remarks
19:00 hrs	Pre-test briefing	Sanctuary House	
19:30 hrs	Functional Test – Web Portal	Sanctuary House	
20:00 hrs	Functional Test – Management Portal	Sanctuary House	
21:00 hrs	Functional and performance Test – Operations Tracking Application	Sanctuary House	

## 10. Testing Deliverables

The following are the testing deliverables for the user acceptance testing on milestone A.

Test	Deliverables
User Acceptance Test	UAT Test pack : <ul style="list-style-type: none"> <li>• UAT Test cases and test results.</li> <li>• UAT Test data.</li> <li>• UAT Test plan.</li> <li>• UAT Test report</li> <li>• UAT test signoff</li> </ul> Defect log

## 11. Test Assumptions / Dependencies

The test assumes that there at any one time maximum of 20 people using the android application, connecting to the back-end server. Performance testing will therefore be stimulating such a assumed business scenario.

The procurement of android device is the biggest dependency as the devices are critical to

perform the actual testing for functional and integration testing. In the event that the devices are unable to reach in time, the test might be postponed or be subjected to testing on a stimulated version running on the web server.

## **12. Architecture Diagram**

