****<organisation> Non-SIT LDSO MHHS QT Test Plan****

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# Contents

[1 Contents 1](#_Toc167358905)

[1.1 Programme Participant Name 4](#_Toc167358906)

[1.2 Change Record 4](#_Toc167358907)

[1.3 Document Approval 4](#_Toc167358908)

[1.4 References 4](#_Toc167358909)

[1.5 Terminology 4](#_Toc167358910)

[2 Scope 5](#_Toc167358911)

[2.1 5](#_Toc167358912)

[2.2 Scope Overview 5](#_Toc167358913)

[2.2.1 In Scope 5](#_Toc167358914)

[2.2.2 Out of Scope 5](#_Toc167358915)

[3 Test Approach 6](#_Toc167358916)

[3.1 Placing Reliance 6](#_Toc167358917)

[3.2 Test Scenarios and Cases 6](#_Toc167358918)

[3.3 Re-Testing and Regression 6](#_Toc167358919)

[3.4 Test Entry Criteria 6](#_Toc167358920)

[3.5 Test Exit Criteria 6](#_Toc167358921)

[4 Test Schedule and Deliverables 7](#_Toc167358922)

[4.1 Test Schedule 7](#_Toc167358923)

[5 Test Infrastructure 7](#_Toc167358924)

[5.1 Test Environments 7](#_Toc167358925)

[5.2 Test Stubs and Other Tools 7](#_Toc167358926)

[5.3 Test Data 7](#_Toc167358927)

[5.4 Release and Configuration Management 8](#_Toc167358928)

[6 Roles and Responsibilities 8](#_Toc167358929)

[6.1 Test Roles and Responsibilities 8](#_Toc167358930)

[7 Defect Management 9](#_Toc167358931)

[7.1 Defect Management and Reporting of Non-SIT LDSO Defects 9](#_Toc167358932)

[7.2 Work-Off Plan 9](#_Toc167358933)

[8 Test Result Management and Reporting 9](#_Toc167358934)

[9 Test Assurance 9](#_Toc167358935)

[10 Risks, Assumptions, Issues and Dependencies 10](#_Toc167358936)

[10.1 Risks 10](#_Toc167358937)

[10.2 Assumptions 10](#_Toc167358938)

[10.3 Issues 10](#_Toc167358939)

[10.4 Dependencies 10](#_Toc167358940)

[Appendix 11](#_Toc167358941)

**Tables**

[Table 1 In Scope 5](#_Toc167358942)

[Table 2 Out of Scope 5](#_Toc167358943)

[Table 3 Test Schedule for <test stage> Testing 7](#_Toc167358944)

[Table 4 Test Roles and Responsibilities 8](#_Toc167358945)

[Table 5 Risks 10](#_Toc167358946)

[Table 6 Assumptions 10](#_Toc167358947)

[Table 7 Issues 10](#_Toc167358948)

[Table 8 Dependencies 10](#_Toc167358949)

**Guidance notes:**

Use of this template for documenting a QT Test Plan is optional but we encourage all to use this template. A Programme participant may use another format if required, as long as the same topics are covered. Functional, Migration, Non-Functional and Operational Testing must be covered. Programme participants can also add any additional sections as they feel appropriate.

Orange text indicates guidelines or examples.

Template starts from page 4 onwards - this page must be removed from the final document produced by Programme participants

## Programme Participant Name

*Programme participants to fill in the table below and include their relevant constituency group and third-party provider if applicable.*

|  |  |  |  |
| --- | --- | --- | --- |
| Programme Participant Name | Constituency Group | MPID(s) Tested | Third Party Provider |
| *e.g. Generic Electricity Co. Ltd* | *Non-SIT LDSO* | *MPID1* | *N/A* |

## Change Record

*The table below needs to be updated with details of each amendment and change control.*

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Author | Version | Change Detail |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Document Approval

*The table below needs to be updated and the role needs to be defined per person as one of the following categories:*

* *Review;*
* *For Information;*
* *For Approval; and*
* *Approval and Sign Off.*

|  |  |
| --- | --- |
| Reviewer/Approver | Role |
|  |  |
|  |  |
|  |  |
|  |  |

## References

*Reference any documents into the table below along with reference and version number. Programme participants should insert documents wherever possible.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Reference | Documents | Publisher | Version | Additional Information |
| *REF 001* | *Requirements to Test Traceability Matrix* |  |  |  |
| *REF 002* | *Test Scenarios* |  |  |  |
|  |  |  |  |  |

## Terminology

*Reference any terminology requiring a description used in this document.*

|  |  |
| --- | --- |
| Term | Description |
|  |  |
|  |  |
|  |  |
|  |  |

*.*

# Scope

## Scope Overview

*This section is intended to define the high-level scope of Non-SIT LDSO QT. It should list areas of the system or functionality being tested and should include a reference to functional, migration, non-functional, operational requirements in scope and design baseline.*

*An architecture diagram should be included which clearly indicates all systems being used as well as test stubs or other test software. A description of limitations of any test stubs or software should be included along with the way these limitations are being mitigated.*

*NOTE that this is an important section of the document for assurance purposes.*

### In Scope

*This section should list the scope for the Non-SIT LDSO QT. It should include key features, test requirements, interfaces and design baseline that will be tested.*

|  |  |  |  |
| --- | --- | --- | --- |
| Key Features/Requirements/Interfaces | Description | Test Types | Priority |
| *Feature 1* | *Add Description* | *Non-Functional* | *High* |

Table 1 In Scope

### Out of Scope

*This section should explicitly identify the high-level key features, test requirements and interfaces that will not be tested by listing what is out of scope of the test plan along with reasons for not testing. This should also include any DIP publications that parties are opting out of.*

|  |  |  |  |
| --- | --- | --- | --- |
| Key Features/Requirements/Interfaces | Test Types | Risk Level | Provide Rationale |
|  |  |  |  |

Table 2 Out of Scope

# Test Approach

## Placing Reliance

*This section should describe placing reliance approach. This expected to be a high level summary unless there are any changes to the placing reliance approach already shared.*

## Test Scenarios and Cases

*This test plan should be submitted with a draft Qualification Testing requirements traceability matrix which should have been populated to include test cases in scope. Any additional information or context to support the RTTM should be added here.*

## Re-Testing and Regression

*This section should describe an LDSO approach to any retesting that will be expected to be carried due to defect, clarification process etc., including regression testing against IR8 if parties where unable to complete as part of PIT.*

## Test Entry Criteria

*This section should describe how test entry criteria defined in Non-SIT LDSO QT Approach and Plan section 9.8 will be met.*

|  |  |
| --- | --- |
| **​** | **​LDSO Entry Criteria** |
| ​1 | ​Evidence of successful PIT Completion (functional and migration) has been submitted, assured by the MHHSP LDSO QT Team and any work off plans agreed with Code Bodies and tracked - please refer to [MHHS-DEL852 - Pre-Integration Test Guidance](https://mhhsprogramme.sharepoint.com/sites/Market-wideHalfHourlySettlement/Testing%20Documents/MHHS-DEL852%20-%20%20Pre-Integration%20Testing%20Guidance%20v1.1.pdf?web=1) [REF-05] for full details of the PIT exit criteria and submission timelines for PIT deliverables. |
| ​2 | ​LDSO are on track to submit evidence of successful PIT Completion (non-functional and operational) by the agreed date |
| ​3 | ​All relevant test artefacts listed  as an entry criteria in section 9.6 must have been produced by the non-SIT LDSO QT participant and approved by MHHSP LDSO QT Team and Code Bodies (where applicable). |
| ​4 | ​Successful completion of DIP onboarding and connectivity proving with no open issues which would impact the test schedule for non-SIT LDSO QT |
| ​5 | ​Test Data has been allocated and loaded where migration regimes are not being used to populate test data~~.~~ |
| ​6 | ​Participants have confirmed they have resources with necessary skills and system access to support the test stage execution and defect management process |
| ​7 | ​Participant users have been onboarded to the MHHSP Test Management Tool |
| ​8 | ​For any LDSO QT participants placing reliance, MHHS Placing Reliance submission reviewed and approved by MHHSP LDSO QT Team and Code Bodies. |
| ​9 | ​Where test scope has been adjusted for Placing Reliance and or implementation of CR29, this has been documented in the LDSO QT test plan and this has been reviewed by MHHSP LDSO QT Team and Code Bodies |

## Test Exit Criteria

*This section should how test exit criteria defined in Non-SIT LDSO QT Approach and Plan section 10.11 will be met.*

|  |  |
| --- | --- |
|  | *Exit Criteria* |
| *1* | No outstanding Severity 1 and Severity 2 Defects. |
| *2* | Sev3 and Sev4 defects that cannot be resolved during QT are documented with impacts assessment and a work off plan by the Programme Participant, reviewed by the MHHSP LDSO QT Team and agreed with Code Bodies ahead of QT completion. |
| *3* | 100% test execution coverage, including functional, non-functional, migration and operational testing with approval from Code Bodies for any de-scoped/ failed test cases prior to QT completion. |
| *4* | LDSO QT Completion Report including work off reviewed by MHHSP LDSO QT Team and submitted to Code Bodies |
| *5* | Test results and evidence has been captured in the test management tool and has been assured by MHHSP LDSO QT Test Team.  ​ |
| *6* | Completion of any PIT work-off plans or deferred PIT activity (as agreed with Code Bodies |

# Test Schedule and Deliverables

## Test Schedule

*This section should provide details of the proposed test schedule regarding the testing activities. This information will be used by the MHHS team to support developing the overall test schedule. It should also include details of:*

* *Test preparation (including requirements to Test Traceability Matrix, and other deliverables from section 9.6 and activities in 9.7 in Non-SIT LDSO QT Approach and Plan)*
* *Test execution dates*

*Programme participants can use the table below as an example or create a new table based on their <test stage> testing schedule:*

|  |  |  |
| --- | --- | --- |
| Test Activities | Start Date | End Date |
| *e.g., Produce RTTM* | *01/03/2023* | *01/04/2023* |

Table 3 Test Schedule for <test stage> Testing

# Test Infrastructure

*This section should define the environment to support the preparation and execution of this Non-SIT LDSO QT Approach and Test Plan.*

## Test Environments

*This section should define any Programme Participant's test environments used within QT stage.*

## Test Stubs and Other Tools

*This section should define any test stubs and other Tools an LDSO is using within QT stage that is not the MHHSP Test Harness or MHHSP Test Management Tool.*

## Test Data

*This section should include any further information to LDSO’s approach to test data that is not document in the Non-SIT LDSO QT Test Data Approach and Plan*

## Release and Configuration Management

*This section should define the release and configuration management approach for a LDSO’s systems to be used within QT stage.*

# Roles and Responsibilities

## Test Roles and Responsibilities

*In this section, define the key roles needed to fulfil the QT testing. Clear and unambiguous definition of the roles and responsibilities is essential for fulfilling the test plan. If possible then Programme participants can put a name against each role as well as the job title. One person may hold more than one role* *providing there is no conflict of interest.*

*The table below* *identifies the roles and responsibilities for QT stage:*

|  |  |  |
| --- | --- | --- |
| Role | Full Name (optional) | Responsibilities |
| *e.g., Test Manager* |  | *Day to day test management and progress reporting, review of test inputs and test outputs, allocation of test tasks* |

Table 4 Test Roles and Responsibilities

*Test team structure of the test organisation can be added if available*.

# Defect Management

## Defect Management and Reporting of Non-SIT LDSO Defects

*This section should describe the defect management process for defects raised by Non-SIT LDSO Programme Participants on their systems.*

## Work-Off Plan

*This section should describe the approach to using a work-off plan should one be required.*

# Test Result Management and Reporting

*This section should describe how reporting for the QT readiness and test execution test stage will be performed.*

# Test Assurance

*This section should describe the test assurance process in detail and how Programme participants will carry out self-assurance on all their test-related deliverables and activities for QT phase.*

*It should also describe any criteria for a Work-Off plan.*

# Risks, Assumptions, Issues and Dependencies

## Risks

*The focus within the section should be on risks that relate to and affect the testing in relation to this QT test* *Plan and its scope. Any non-testing related risks* *identified by the Programme participant should be listed below.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Risk No | Risk Description | Impact | Owner | Mitigation |
| *R-1* | *Insert description* | *Describe how the risk could affect testing* | *Set an owner* | *Describe what steps are being taken to mitigate the risk* |

Table 5 Risks

## Assumptions

*The focus within this section should be on assumptions that relate to and affect the testing in relation to this QT Test Plan and its scope. Any non-testing related assumptions* *identified by the Programme participant should be listed below.*

|  |  |  |
| --- | --- | --- |
| Assumption No | Assumption Description | Rationale |
| *A-1* | *Describe the assumption* | *Summarise why the assumption is needed* |

Table 6 Assumptions

## Issues

*The focus within the section should be on issues that relate to and affect the testing in relation to this QT Test Plan and its scope. Any non-testing related issues* *identified by the Programme participant should be listed below.*

|  |  |
| --- | --- |
| Issue No | Issue Description |
| *I-1* | *Describe the issue* |

Table 7 Issues

## Dependencies

*The focus within this section should be on dependencies that relate to and affect the testing in relation to this QT Test Plan and its scope. Any non-testing related dependencies* *identified by the Programme participant should be listed below.*

|  |  |
| --- | --- |
| Dependency No | Dependency Description |
| *D-1* | *Describe the dependency* |

Table 8 Dependencies

# Appendix

*Any appendix should be added here.*