User Acceptance Testing – Example Script Template

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| Document Information | |
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| Project Number |  |
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| Approvals | | | |
| Name | Title | Signature | Escalation |
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# ACCEPTANCE TESTING SCOPE

Testing and acceptance of the proposed solution will be performed as follows:

## Testing and Acceptance Criteria – Stage 1 Tests

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| --- | --- | --- | --- | --- | --- | --- |
| Stage 1 Tests | | | | | | |
| Test  Ref | Category of Test | ITT  Ref. | Details | Pass criteria | Owner | Comment |
| 1. | Verification of equipment supplied | 3.1.1 | Verification that all equipment is supplied as specified in the tender. Any variations to equipment (including components) shall only be accepted by prior agreement with the Buyer. | As per supplied kit list. | T. Ester |  |
| 2. | Compliance with UCL’s requirements & constraints | 3.1.2 | Confirmation that the running equipment complies with all UCL’s stated environmental and infrastructural requirements and constraints. | As per ITT | T.Ester |  |
| 3. | Verification that equipment has passed seller’s diagnostic tests | 3.1.3 | Verification that all units have passed the Seller’s own diagnostics, set at their most rigorous levels. | Sign off from Q Associates | A.N. Other |  |
| 4. | Accommodation | 3.1.4 | Confirm hardware fits within the proposed accommodation\cabinet space In KLB and Wolfson House as per the information in the Tender. Confirm hardware access on slide rails. | To match Tender response | A.N. Other |  |
| 5. | Uninterrupted, continuous running of equipment | 3.1.5 | Uninterrupted, continuous running of the equipment for 48 hours without a hardware failure becoming apparent. | Sign off from Q Associates | T.Ester |  |

## Testing and Acceptance Criteria Stage 2 Tests

* Testing will be conducted by UCL staff with support from the Tenderer where required.
* Overall responsibility for sign-off of stage 2: Quentin North (Database Infrastructure Group Manager)
* Owners of individual tests (where known) are detailed in the table below

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Stage 2 Tests | | | | | | |
| Test  Ref | Category of Test | ITT  Ref. | Details | Pass criteria | Owner | Comment |
| 1. | Oracle Installation | 3.1.1 | Successful installation of a single Oracle Database Server  Enterprise Edition 10.2.0.4 onto the solution. Should partitioning of the solution be flexible, then the partition configured for this purpose will have not more than 1/60th, or 1 unit of measure where no further division is possible, of the overall total CPU, disk and memory intended for the operation of Oracle databases within the solution. This is based on benchmark requirements to support the current quantity of database instances in use at UCL with equal resources.  The instance shall be started successfully with 5Gb of SGA  memory | An empty database shall successfully be created using Oracle  DBCA with Oracle default tablespaces and schemas  An SQL\*Plus session shall be successfully opened to the new  database  The Oracle Net Listener starts successfully  A remote session shall successfully be established to the database | T. Ester |  |
| 2. | Oracle Import |  | Test The database previously installed shall be successfully populated with a complete export of the current SITS production database using the Oracle Import utility and UCL developed scripts | . All schemas and their objects will have been created and populated without error. The elapsed time for the import to execute will not exceed the current benchmark time using the existing UCL database environment. | T.Ester |  |
| **3.** | **Oracle Load Test 1** |  | **Set Oracle processes to 600 and make 300 simultaneous connections to the previously created database using a bespoke script that has been created to launch multiple SQL\*Plus sessions as background processes. Each script will run a payload of inserts, updates and deletes for a specified period. Before exiting the number of iterations, elapsed time in seconds and contents of V$SESS\_IO for the sessions are recorded. These results will be compared to benchmarks conducted using the existing UCL database environment.** | **Success will have been achieved if each metric is within the 2σ of benchmark μ.**  **All processes terminate without error and non-zero iteration count.**  **All sessions must have the target max sessions active at the mid-point in iterations of the test, as recorded by the test script.**  **The test completes successfully whether executed on the local host or from a remote client over the network.** | **A.N. Other** |  |
| 1. | Oracle Installation | 3.1.1 | Successful installation of a single Oracle Database Server  Enterprise Edition 10.2.0.4 onto the solution. Should partitioning of the solution be flexible, then the partition configured for this purpose will have not more than 1/60th, or 1 unit of measure where no further division is possible, of the overall total CPU, disk and memory intended for the operation of Oracle databases within the solution. This is based on benchmark requirements to support the current quantity of database instances in use at UCL with equal resources.  The instance shall be started successfully with 5Gb of SGA  memory | An empty database shall successfully be created using Oracle  DBCA with Oracle default tablespaces and schemas  An SQL\*Plus session shall be successfully opened to the new  database  The Oracle Net Listener starts successfully  A remote session shall successfully be established to the database | T. Ester |  |
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## Sign-off Criteria

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| --- | --- | --- |
| Sign-off Criteria | | |
| Item | Acceptance Criteria | Responsibility |
| 1. | All stage 1 Acceptance Criteria signed off as complete | U.Ser Senior |
| 2. | All stage 2 Acceptance Criteria signed off as complete | U.Ser Senior |

# MILESTONES

|  |  |
| --- | --- |
| Date | Milestone |
| Not Known | Contract Awarded |
| Not Known | Installation Start Date |
| Not Known | Installation Completion Date |
| Not Known | Start of Acceptance Testing |
| Not Known | Vendor Sign off (to be agreed) |

# RISK AND CONTINGENCIES

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| --- | --- | --- |
| Identifier | Risk | Contingency |
| 1. | UCL resources unavailable to undertake testing | 1. Publish schedules as early as possible to identify any resource shortfall.  2. Ensure a back-up resource is identified and available during the required test period. |
| 2. | Delay in hardware installation | 1. Ensure that test resources are informed of expected UAT dates on a regular basis – schedule published on SharePoint.  2. Ensure Tenderer fully aware of UCL testing schedule. |

# SIGN OFF

Required signatures for sign off UAT Test Plan (this document).

|  |  |  |
| --- | --- | --- |
| Name | Title/Responsibility | Signature |
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