# Addendum 1

## Services Work Order

### References

|  |  |
| --- | --- |
| Orasi SOW ID |  |
| Services Work Authorization Contact |  |

### Engagement Activities

The activities for this engagement include the following. As the engagement progresses, new activities may develop or activities may be taken away if deemed appropriate for the success of the engagement. Any activity changes may require a change order if they alter the scope of work at the discretion of the Orasi Consultant performing the work. Activity changes need to be mutually agreed by the Customer and Orasi. If the swap is deemed equal or less work, an email from the Customer requesting the swap and a reply will suffice for the change. Any added scope will require a change request to be executed by Orasi and the Customer.

Some of these activities can be conducted onsite and/or remotely. Any remote work will require authorization and it will be the responsibility of Customer to provide the Orasi consultant with remote access capabilities.

The activities for this engagement include the following.

* Goal and Scenario Planning
* Performance test plan creation
* Performance test script development
* Performance test scenario building
* Performance test executions
* Summary Analysis

The two (2) business processes in scope for this performance testing effort are yet to be determined.

Test scenarios in scope for this performance testing effort are listed below:

* Load – 60% of standard load
* Load – 80% of standard load
* Stress – 120% of standard load

The number of virtual users for each Load Test will be up to 5,000 virtual users, or as limited by current University of Missouri HPE Performance Center licensing.

### Performance Lifecycle Milestones

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Performance Lifecycle Phase** | **Activity / Task** | **Deliverable** | **Estimated Duration**  **(hours)** | **Resources** |
| Discovery & | * Information Gathering * Finalize the scope * Define monitored metrics * Create test case for defined business processes and scenarios * Define test plan, loads to be used, etc. * Generate Performance test plan | * Performance Test Plan * Test Case Definition | 16 | Sr. Performance Engineer |
|  |
| Planning |
| Script & Test Scenario Development | * Creation of two (2) Business Process scripts where a business process cannot exceed 10 web pages or 20 clicks. * Creation of up to three (3) test scenarios. * Development and deployment of HPE SiteScope system monitoring | * Up to two (2) test scripts developed * Test Scenario Creation (x3) | 72 | Sr. Performance Engineer & Rural Performance Engineer |
|  |
|  |
| Execution | * Performance Tests – Three (3) performance test executions. | * Executed Tests * Test Results | 24 | Sr. Performance Engineer |
|  |
| Reporting | * Analysis * Reporting | * Summary Analysis Report | 8 | Sr. Performance Engineer |
|  |  | **Total Hours 120** | |  |

|  |  |
| --- | --- |
|  |  |
| 1. | Test Plan (soft copy). |
| 2. | Business process definition of two (2) tested business processes (soft copy). |
| 3. | PeopleSoft script development of two (2) distinct business processes (soft copy). |
| 4. | Execution of three (3) performance test scenarios. |
| 5. | Test Analysis and Reporting (soft copy). |
|  |  |

### Deliverables

### Engagement Specific Customer Responsibilities / Assumptions

1. HPE LoadRunner is available for use to support this engagement and covered by a current support contract by HPE or certified provider.
2. Provide access to SMEs to guide Orasi’s consultant into the creation of a performance test optimized test case.
3. All data models in the application database(s) are in place, the GUI for each application is in a stable state, and business rules are complete and available to the Orasi team as needed prior and during the engagement.
4. Environment that is being used for test development and performance testing is dedicated to performance team. The environment should be stable and any code release changes should be on a published schedule.
5. Customer to provide all Master data for testing the full load & performance test. This quantity of data would be determined in the engagement, but often is 100’s or 1000’s of data to simulate a day in the life of production. Master data is data a system is populated with after conversion such as vendor numbers, product SKU’s, factory IDs, employee numbers, login ID’s, etc.

### Estimated Engagement Costs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Role | Resource Count | Hours | Rate / Hour | Total |
| Sr. Performance Engineer | 1 | 120 | $190 | $22,800.00 |
| *Total* | 1 | 120 |  | $22,800.00 |

\*Travel and expenses will be invoiced separately, as actuals.

Important Notice

The estimated engagement costs are dependent upon the assumptions documented above and the customer meeting the responsibilities described in this document. Delays, impediments, and rework caused by inaccurate information or failure to meet customer responsibilities will result in additional engagement costs or reduced scope of deliverables.