**1. Test Plan Identifier**

**File Name:** 1.0\_VASOP\_tplan\_v1.doc

**Location: Bang**

**2. Document History**

|  |  |  |  |
| --- | --- | --- | --- |
| **REV** | **Author** | **Edits** | **Date** |
| 1.0 |  | Initial Draft |  |
|  |  |  |  |
|  |  |  |  |

**3. Introduction**

VAS (Vidyala Automation Systems) is software product developed by INFIX SOLUTIONS for addressing various software needs of the Hospitals.

This test plan will outline the features to be tested as part of outpatient details in the 1.0 release of VAS.

4. **Features to be Tested**

Medium priority features are features that have been stable and High Priority features are features that have been recently changed.

|  |  |  |
| --- | --- | --- |
| **Feature To be Tested** | **Priority** | **Comments** |
| Registration | High |  |
| Renewal | High |  |
| Lab details |  |  |
| X-ray details |  |  |
| Scan details |  |  |
| Abdominal Report |  |  |
| Obsteric Scan Reports |  |  |

1. **Features NOT to be Tested**

Help Contents will not be tested.

Installation and presentation will not be tested.

Support of the other architectures also will not be tested.

1. **Test Strategy**

The test strategy for VASOP1.0 will include manual testing with automated testing where time/need permits. Automated testing will be used to test the basic Interface objects, keyboard and mouse navigation or any redundant tasks best translated to automation. Automated testing will be limited to a Win-32 platform because of Automation tool limitations.

* Sanity test will include an very short battery of tests to ensure the VASOP1.0 runs/launches and can connect to the back end database. Test execution will happen as individual component testing. These tests will be fully automated.
* Acceptance tests will include a short battery of tests that will only touch major features to ensure VASOP1.0 will operate smoothly at a basic level. These tests will be executed on Windows 98, Windows NT 4, Windows 2000, workstations and servers. The goal will be to automate all of these tests.
* Full Functional tests will include a comprehensive test of all features listed in this document. These tests will be limited to the Windows 2000 workstation client. These test will include automation with time allowing.

**Functionality Testing**

**Registration**

Verify New Registration

Verify Modification of the existing record

Verify Deletion of the existing record.

Verify Searching of existing of records.

Verify Refresh of the Data Fields.

Verify Closing of the registration window.

**Renewal**

Verify Renewal of existing records.

Verify Searching of existing of records.

Verify Refresh of the Data Fields.

Verify Closing of the registration window.

**Lab details**

**X-ray details**

**Scan details**

**Abdominal Report**

**Obsteric Scan Reports**

**Usability Testing**

The usability testing will be accomplished by verifying the information in each window are accurate. Menus, icons and toolbar functionality will be tested as applicable to the navigation and results panes. Multi Window Overlapping will be tested because product supports opening of multiple documents.

6.1.1.0

**Robustness/Reliability Testing**

Test the GUI for correct keyboard and mouse navigation, windows, menus, buttons, etc. These tests will include Keyboard only navigation of VASOP1.0, Mouse only navigation. Correctness and existence of warning/error dialog boxes. The correct/expected functionality of buttons, icons and menus.

**Stress Testing**

Not applicable

**7. Test Deliverables**

Test plan 1.0\_VASOP\_tplan.doc

Test Specification 1.0\_VASOP\_tspec.doc

Test Automation Plan TBD

Test Checklist TBD

Test Logs TBD

Test tools Scripts, Segue SILK Test Tool

**8. Testing Tasks & Resource Needs**

Use of MS ACCESS database.

Write Test Specification.

Write Test Automation plan.

Write Test Checklist.

Setup workspace.

Develop Automation script.

Minimum requirements for platforms:

Intel: Intel ~400mz, with 96mb\* of Ram for NT workstation client.

Intel ~400mz, with 64mb \*of Ram for 98 workstation client.

(\* Automation needs an additional 128MBs to function)

**9. Schedule**

Test Documentation

| Document | Development Time | | Sign-off Date | Dependencies |
| --- | --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |  |
| Test Plan | 2 days |  |  | Functional Spec. Review |
| Test Specifications | 3 days |  |  | Testplan, Functional Spec, Review |
| Test Logs | TBD |  |  |  |
| Test Summary Report | TBD |  |  |  |
| Checklist | TBD |  |  |  |

Test Development

| Deliverable | Development Time | | Dependencies |
| --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |
| Functional Test Suite | 5 |  |  |
| Automation build | 15 |  |  |
|  |  |  |  |

Test Execution

| Test Activity | | Execution Time (Person-Days) | | | Dependencies |
| --- | --- | --- | --- | --- | --- |
|  | | Alpha | Beta | Total |  |
| Acceptance | | 2 Days | 2 Days | 4 Days |  |
| Functional | Functionality | 5 | 4 |  |  |
|  | Usability | All High to Medium testcaces |  |  |
|  | Robustness |  |
|  | Stress |  |
|  | Multi Inst. |  |
| Regression | |  |  |  |  |
| Documentation Review | | 2 | 2 | 2 |  |
| Total Test Cycle | | 8 | 8 | 6 |  |

**10. Issues/Risks and Contingencies**

| RISK | CONTINGENCY | COMMENTS |
| --- | --- | --- |
| Any Automation will need to be created in parallel of testing. | Manual testing | Goal is to add Automation where possible.  Initial setup might be able to be worked on in an earlier stage if time permitting. |
| VB Accessibility Utilities and specs to verify compliance to Accessibility are not available. | Simplistic tests? | Accessibility guidelines are not specified in spec. |
|  |  |  |
|  |  |  |

**11.Approvals**

| POSITION  \* Approval Required | NAME | SIGNATURE | REVIEWED | APPROVED |
| --- | --- | --- | --- | --- |
| Tech Lead |  |  |  |  |
| STAFF ENG, SW |  |  |  |  |
| Project Manager |  |  |  |  |
| Clint Approval |  |  |  |  |

12. **References**

VAS1.0 User Interface Specification

VAS1.0 Functional Specification

VAS1.0 Design Specification