Innovation 873 - Telepathology

User Acceptance

Test Plan



June 2015

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 06/01/2015 | 1.0 | User Acceptance Test Plan Initial Draft | Kalpana Reddy |
| 06/22/2015 | 2.0 | Updated with Comments | Kalpana Reddy |

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# Introduction

The purpose of the Innovation 873 is to provide a Telepathology solution that includes the VistA Imaging Telepathology Applications (VITA) and will interface with Whole Slide Imaging Vendors Systems and Robotics Streaming systems and will develop a method to launch third party vendor viewer. The VistA Imaging Telepathology Applications (VITA) includes the VistA Imaging Telepathology Worklist, VistA Imaging Telepathology Configurator, Report Editor, and Consultative services.

## Test 1: Configurator - Who do I read for tab

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| 1 | Open the configurator application | Verify Connect to window displays | Pass |  |
| 2 | Select database and login with access code: boating1;boating1. | Verify Main window will load the appropriate information such as user name, server address, site abbreviation | Pass |  |
| 3 | Select tab “who do I read for” |  |  |  |
| 4 | Select Add button | Verify Acquisition Site Editor box opens | Pass |  |
| 5 | Select one site from "Select Acquisition Site" drop down list |  |  |  |
| 6 | Select one site from "Select Acquisition Primary Site" drop down list | Verify that "active" check box checked (default) | Pass |  |
| 7 | Select Add button | Verify that site is added in the main window with “Yes” in the Active tab (Verify Remote Acquisition site tab, Primary site tab, active tab) | Pass |  |
| 8 | Repeat steps 4-6 |  |  |  |
| 9 | UnCheck "active" check box |  |  |  |
| 10 | Select Add button | Verify that site is added in the main window with “No” in the Active tab (Verify Remote Acquisition site tab, Primary site tab, active tab) | Pass |  |
| 11 | Select Edit button | Verify Acquisition Site Editor box opens | Pass |  |
| 12 | Check Active check box |  |  |  |
| 13 | Select Update button | Verify that site is added in the main window with "Yes" in the Active tab | Pass |  |
| 14 | Select Edit button | Verify Acquisition Site Editor box opens | Pass |  |
| 15 | Uncheck Active check box |  |  |  |
| 16 | Select Update button | Verify that site is added in the main window with "No" in the Active tab | Pass |  |
| 17 | Repeat steps 4-6 |  |  |  |
| 18 | Select Cancel button | Verify that site is not added in the main window | Pass |  |
| 19 | Select one site from main window |  |  |  |
| 20 | Select remove button | Verify that confirmation windows display with "Are you sure you want to remove "site name" from the list | Pass |  |
| 21 | Select Yes | Verify that site is removed | Pass |  |
| 22 | Repeat Steps 19 - 20 |  |  |  |
| 23 | Select No | Verify that site is not removed | Pass |  |

## Test 2: Configurator - Who reads for me tab

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| 1 | Select who reads for me tab |  |  |  |
| 2 | Select add button | Verify that Reading Site Editor box opens | Pass |  |
| 3 | Select one site from "Select Reading Site" drop down list |  |  |  |
| 4 | Select "consultation" type from type drop down list | Verify that "active" check box checked (default) | Pass |  |
| 5 | Select add button | Verify that site is added in the main with Remote Reading Site, Interpretation = No, Consultation = Yes, and active = yes | Pass |  |
| 6 | Repeat Steps 2-3 |  |  |  |
| 7 | Select "Interpretation" type from type drop down list |  |  |  |
| 8 | Uncheck "active" check box |  |  |  |
| 9 | Select add button | Verify that site is added in the main with Remote Reading Site, Interpretation = Yes, Consultation = No, and active = No | Pass |  |
| 10 | Select one site Interpretation = Yes and Consultation = No, Active = No |  |  |  |
| 11 | Select Edit button | Verify that Reading Site Editor box opens | Pass |  |
| 12 | Select "Consultation" type from type drop down list and Check Active check box |  |  |  |
| 13 | Select Update button | Verify that site is updated with Correct status Interpretation = No and Consultation = Yes, Active = Yes | Pass |  |
| 14 | Select one site from Main window |  |  |  |
| 15 | Select Remove | Verify that confirmation windows display with "Are you sure you want to remove "site name" from the list | Pass |  |
| 16 | Select Yes | Verify that site is removed | Pass |  |
| 17 | Repeat Steps 14 - 15 |  |  |  |
| 18 | Select No | Verify that site is not removed | Pass |  |

## Test 3: Configurator – My report template tab

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select SP template |  |  |  |
| 2 | Select the desired fields to display in the SP report |  |  |  |
| 3 | Select Brief clinical history, preoperative diagnosis, operative findings as required fields |  |  |  |
| 4 | Try to change Gross Description from required to regular field | Verify that required field Gross Description is not changed. | Pass |  |
| 5 | Select Save button |  |  |  |
| 6 | Select SP report | Verify all desired fields, required fields with asterisk displayed in SP report | Pass |  |
| 7 | Select EM template |  |  |  |
| 8 | Repeat steps 2 - 5 |  |  |  |
| 9 | Select EM report | Verify all desired fields, required fields with asterisk displayed in EM report | Pass |  |
| 10 | Select CY template |  |  |  |
| 11 | Repeat steps 2 - 5 |  |  |  |
| 12 | Select CY report | Verify all desired fields, required fields with asterisk displayed in CY report | Pass |  |
| 13 | Select SP template |  |  |  |
| 14 | Change the order in which the fields appear on the report and select Save button |  |  |  |
| 15 | Select SP report | Verify that fields are displayed in which the order chosen | Pass |  |
| 16 | Repeat steps 13 – 15 for CY/EM reports |  |  |  |

## Test 4: Configurator – Other tab

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select Other tab |  |  |  |
| 2 | Change the Report Editor lock duration minutes setting to a value other than the 30 that is there and then select the Reset button | Verify a confirmation box is displayed (are you sure?) | Pass |  |
| 3 | Select Yes | Verify that new value is saved | Pass |  |
| 4 | Repeat step 2 |  |  |  |
| 5 | Select **No** | Verify it restores the value to 30 | Pass |  |
| 6 | Change the Worklist timeout setting to a value to 10 and then select the Reset button | Verify a confirmation box is displayed (are you sure?) | Pass |  |
| 7 | Select Yes | Verify that new value is saved | Pass |  |
| 8 | Repeat step 6 |  |  |  |
| 9 | Select **No** | Verify it restores the value to default | Pass |  |
| 10 | Change the Readlist Retention setting to a value to 45 and then select the Reset button | Verify a confirmation box is displayed (are you sure?) | Pass |  |
| 11 | Select Yes | Verify that new value is saved | Pass |  |
| 12 | Repeat step 10 |  |  |  |
| 13 | Select **No** | Verify it restores the value to default | Pass |  |
| 14 | Try to change the fields to something other than number or out of range and click Save | Verify that information box is displayed: “The value you entered is not a valid number” | Pass |  |
| 15 | Select Ok | Verify that no values are saved | Pass |  |
|  |  |  |  |  |

## Test 5: Worklist – Reserve/Un-Reserve Case

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Open the Worklist application | Verify Connect to window displays | Pass |  |
| 2 | Select database and login with access code: boating1;boating1. | Verify that unread tab, patient name tab and read tabs display | Pass |  |
| 3 | Select Unread tab |  |  | |
| 4 | Select one patient |  |  |  |
| 5 | Select Reserve case button | Verify user initials will appear under Reserved column | Pass |  |
| 6 | Select another case with initials under reserved column |  |  |  |
| 7 | Select Un-reserve case button | Verify user initials will disappear under Reserved column | Pass |  |

## Test 6: Worklist – Worklist Filter

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select settings->Filter Settings | Verify Filter edits opens | Pass |  |
| 2 | Select new and enter name in the Name field | Verify all fields are enabled | Pass |  |
| 3 | Select appropriate fields and fill out information |  |  |  |
|  |  |  |  |  |

## Test 7: Worklist – Edit Report

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select in-progress patient case from unread tab in the worklist |  | -- |  |
| 2 | Select Edit report | Verify Patient Name, Patient ID, Date Specimen was Received, Date Completed, Submitted By, Pathologist, Resident/Technician, Accession Number, and Practitioner | Pass |  |
| 3 | Select Edit beside Pathologist field |  | -- |  |
| 4 | Enter any 2 characters in the search user box | Verify that drop down box display all user names containing those 2 characters. | Pass |  |
| 5 | Select one name and select Ok | Verify that new Pathologist name is displayed | Pass |  |
| 6 | Select Edit beside Resident/Technician field |  |  |  |
| 7 | Enter any 2 characters in the search user box | Verify that drop down box display all user names containing those 2 characters. | Pass |  |
| 8 | Select one name and select Ok | Verify that new Resident/  Technician name is displayed | Pass |  |
| 9 | Select Edit beside Practitioner field |  |  |  |
| 10 | Enter any 2 characters in the search user box | Verify that drop down box display all user names containing those 2 characters. | Pass |  |
| 11 | Select one name and select Ok | Verify that new Practitioner name is displayed | Pass |  |
| 12 | Enter notes in Brief clinical history, preoperative diagnosis, operative findings, postoperative diagnosis, gross description, microscopic description, frozen section and surgical pathology diagnosis fields |  |  |  |
| 13 | Select Save |  |  |  |
| 14 | Select Complete button | Verify Date Completed field updated with today’s date | Pass |  |

## Test 8: Worklist – Supplementary Report

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select Edit Report and select supplementary tab |  |  |  |
| 2 | Select supplementary report date as last week’s date |  |  |  |
| 3 | Enter data and select new | Verify that report display on the right side of the screen | Pass |  |
| 6 | Select Verify | Verify that E-Signature box opens up | Pass |  |
| 7 | Enter E-verify code and select verify | Verify the confirmation window opens up with "Do you want to send to additional recipient or mail groups? | Pass |  |
| 8 | Select Yes | Verify that additional email box pop up | Pass |  |

## Test 9: Worklist – View Report

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select in-progress patient case from read tab in the worklist |  |  |  |
| 2 | Select View report | Verify the report is displayed with Patient Name, Patient ID, Date Specimen was received, Date Completed, submitted by, Pathologist, Resident/Technician, Accession Number and Practitioner | Pass |  |

## Test 10: Worklist - Notes

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select any case in the unread list | Verify Notes button becomes active | Pass |  |
| 2 | Select Notes button and add notes |  | -- |  |
| 3 | Select Add button | Verify information about who made entry and when note was added | Pass |  |
| 4 | Close Notes window | Verify Notes column entry changes from No to Yes | Pass |  |

## Test 11: Worklist – Consultation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| 1 | Select one unread case from worksite |  | -- |  |
| 2 | Select Consultation | Verify that Consultation window pop up with correct Accession number, Patient name and Patient ID | Pass |  |
| 3 | select site= ANN ARBOR and select Request button | Verify that Consult status = PEND:ANN (ANN is site name) displayed | Pass |  |

## Test 12: Worklist – Coding

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select Edit report and coding tab | Verify SNOMED tab is default | Pass |  |
| 2 | Enter any 2 characters in the look up name and select search | Verify drop down list appears with all codes containing above 2 characters | Pass |  |
| 3 | Select one code and add | Verify that code is added and display on the left side | Pass |  |
| 4 | Select CPT |  | -- |  |
| 5 | Enter any 2 characters in the look up name and select search | Verify drop down list appears with all locations containing above 2 characters | Pass |  |
| 6 | Select one CPT location |  |  |  |
| 7 | Enter CPT code (For 88307 CPT CODE and multiplying factor is 5, Enter 88000\*5 in the box) and select add | Verify the following message displayed: "The following CPT code(s) are entered successfully & tracked. 88307 TISSUE EXMA BY PATHOLOGIST" | Pass |  |
| 8 | Select Ok | Verify that CPT code is added and display in the main window and Verify Date Entered, Multiply Factor, Code & Description and User | Pass |  |

## Test 13: Worklist – Health Summary

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select Health Summary button | Verify Health Summary list open | Pass |  |
| 2 | Select any available report and click view health summary | Verify summary report is shown | Pass |  |

## Test 14: Worklist – View Images

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select one case from Unread list with non-zero images |  | -- |  |
| 2 | Select View images | Verify that Aperio ImageScope v12.1.0.5029 image view launcher displayed | Pass |  |
| 3 | Select Open Image from File menu | Verify that Image opens and verify patient ID, name, accession number on the top of the screen | Pass |  |
| 4 | Select Exit from file menu | Verify Aperio Image Launcher is closed | Pass |  |