



OSEHRA

Open Source Electronic Health Record Agent

Functional Testing for Initial Certification

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1 Introduction

1.1 Initial Certification Assumptions

Because the VistA version with which OSEHRA is starting has been in use for a significant length of time and has been thoroughly tested by the Veteran's Administration (VA), the Custodial Agent (CA) has made the assumption that it is not necessary to test every possible function in every extant module. Initially, the goal is ensuring that no harm has been done to the received version so exercising the core capabilities of the system is sufficient to attest to functional integrity. As prerequisites to functional testing, the following configuration tasks must be performed in PuTTY, the 'roll and scroll' utility:

1. Add a hospital location and clinic to VistA
2. Register 3 patients to the clinic
3. Create a Doctor Provider user with an electronic signature
4. Create a Nurse provider user
5. Create a Text Integration Utilities (TIU) Notes Template

1.2 Initial Certification Procedures

Note that the establishment of a discrete set of known database data is in keeping with accepted practices in Healthcare application certification, such as those used by CCHIT. Even though the capabilities of the system are exercised by inputting the minimum test data, the process is not considered part of certification. Obviously, if the minimum data set cannot be achieved, then the system is not considered functional, but achieving it is considered part of system configuration. The critical core functionality is represented by the following items:

1. Create a patient visit
2. Add/Edit Vital Signs
3. Add/Edit/Delete Allergies
4. Add/Edit/Delete Problems/diagnoses
5. Add/Edit/Discontinue Medications
6. Create a Lab order
7. Order Lab
8. Verify/certify lab order
9. Add note to patient using TIU Template

2 Functional Testing Parameters:

2.1 Prerequisite Data Set for Functional Testing

2.1.1 Add a hospital location and clinic to VistA

Login to PuTTY as an Administrator or Clinical Application Coordinator (CAC)

If you are planning to use the VistA applications such as Registration, Scheduling etc. you need to add new Institution to the INSTITUTION File. Go back to the VISTA> prompt and "SET XUMF=1" then "D Q^DI". Select Option #1 and edit File #4. Edit the field STATION NUMBER. For Station Number, you must enter the same number as the Site Number when you initialized FileMan. (See Start FileMan and Begin Setting Up Vista section.)

```
VISTA>S XUMF=1 D Q^DI
```

```
VA FileMan 22.0
```

```
Select OPTION: 1 ENTER OR EDIT FILE ENTRIES
```

```
INPUT TO WHAT FILE: NEW PERSON// 4 INSTITUTION (27 entries)
```

```
EDIT WHICH FIELD: ALL// STATION NUMBER
```

```
THEN EDIT FIELD:
```

```
Select INSTITUTION NAME: VISTA HEALTH CARE
```

```
Are you adding 'VISTA HEALTH CARE' as a new INSTITUTION (the 28TH)? No// Y  
(Yes)
```

```
STATION NUMBER: 6100
```

```
Select INSTITUTION NAME:
```

```
79.
```

Add a Medical Center Division.

Select File #40.8 and edit fields FACILITY NUMBER and INSTITUTION FILE POINTER. Enter the Institution STATION NUMBER for FACILITY NUMBER and the name of the Institution in INSTITUTION FILE POINTER.

```
Select OPTION: 1 ENTER OR EDIT FILE ENTRIES
```

```
INPUT TO WHAT FILE: INSTITUTION// 40.8 MEDICAL CENTER DIVISION (1 entry)
```

```
EDIT WHICH FIELD: ALL// FACILITY NUMBER
```

THEN EDIT FIELD: INSTITUTION FILE POINTER

THEN EDIT FIELD:

Select MEDICAL CENTER DIVISION NAME: **VISTA MEDICAL CENTER**

Are you adding 'VISTA MEDICAL CENTER' as

a new MEDICAL CENTER DIVISION (the 2ND)? No// **Y** (Yes)

MEDICAL CENTER DIVISION NUM: 2//

MEDICAL CENTER DIVISION FACILITY NUMBER: **6100A**

FACILITY NUMBER: 6100A//

INSTITUTION FILE POINTER: VISTA HEALTH CARE 6100

Select MEDICAL CENTER DIVISION NAME:

2.1.2 Create a Laboratory Order

Navigate to the Quick Order Menu

1. Select QUICK ORDER NAME: **LRZ STREP TEST**
Are you adding 'LRZ STREP TEST' as a new ORDER DIALOG? No// **Y**
TYPE OF QUICK ORDER: **LAB** LABORATORY
NAME: LRZ STREP TEST//
DISPLAY TEXT: **Strep Test**
VERIFY ORDER: **Y** YES
DESCRIPTION: **Throat swab for Streptococcus**
ENTRY ACTION:

Lab Test: STREP

Collected By: SP Send Patient to lab

| | |
|----|------------------------|
| SP | Send patient to lab |
| WC | Ward collect & deliver |
| LC | Lab blood team |

Collection sample: BLOOD// **SWAB**

Collection Date/Time: **TODAY**

How often: **ONCE** Once

Lab Test: Strep Test
Collected By: Send Patient to lab
Collection sample: SWAB
Specimen: SWAB
Collection Date/Time: TODAY
How often: ONCE

(P)lace, (E)dit, or (C)ancel this quick order? PLACE//
Auto-accept this order? NO//

2.1.3 Register patients to the clinic

If not already logged in, login to PuTTY as an Administrator or Clinical Application Coordinator (CAC), select the ADT Manager Menu, REGistration Menu, and REGister a Patient menu to reach the prompt:

Select Patient Name:

Enter the names of the test patients. Continue to follow the system prompts to enter the data for the following test patients:

1. Name: David J Carter Jr.
Gender: M
Birthdate: 03/02/2001
SSAN: 000000111
Non-Veteran
Race: B
Address: 834 Ocean Vista Avenue, Apt. 202, Santa Monica CA 90401
Telephone: 310-555-2233
NOK: David J Carter Sr
Relationship: Father
2. Name: David J Carter Sr.
Gender: M
Birthdate: 09 March 1943
SSAN: 000000112
Veteran
Race: **B**
Address: 834 Ocean Vista Avenue, Apt. 202, Santa Monica CA 90401
Home Telephone: 310-555-2233
Work Telephone: 310-555-9876
3. Name: Agatha Bloom
Gender: F
Birthdate: 26 February 1982
SSAN: 000000113
Non-Veteran

Race: D
Address: 742 Evergreen Terrace, Springfield IL 62701
Telephone: 217-555-4242
Cell Phone: 217-555-9643

2.1.4 Create Provider users

If not already logged in, login to PuTTY as an Administrator or CAC. Select User Management from the CORE menu and add the following Providers:

1. Name: Dr. Robert Alexander
SSAN: 000000222
Address: 456 Anytime Lane, Annapolis MD 21405
Phone: 410-555-0151
Specialty: Primary Care
Access Code: testdoc1
Verify Code: passW0rd! (Change to **1Doctor!** on first login)
Permissions: full access to all clinical functions.
2. Name: Ms. Mary Smith, RN
SSAN: 000000223
Address: 1234 Elm Street, Anytown USA 03546
Phone: 555-555-1212
Access Code: testrn1
Verify Code: passW0rd! (Change to **1Nurse!** on first login)
Permissions: access to all clinical functions and TIU Functions

Log OFF as Administrator or CAC and Login to PuTTY as Dr. Alexander to input an electronic signature code:

Select Kernel Option: **USER'S Toolbox**

Select User's Toolbox Option: **ELEctronic Signature code Edit**

INITIAL: RA//

SIGNATURE BLOCK PRINTED NAME: ROBERT ALEXANDER//

SIGNATURE BLOCK TITLE: MD//

OFFICE PHONE: 4105550151

VOICE PAGER:

DIGITAL PAGER:

Enter Signature Code: **ROBALEX37** (This code must be ALL CAPITAL LETTERS but may be all letters instead of alpha-numeric)

Re-enter Signature code:

Log OFF as Doctor

2.1.5 Create a TIU Template

1. Login to CPRS as Mary Smith
2. Create an Office Visit Note that automatically populates with
 - Patient Name
 - DOB, age
 - latest vitals
 - current meds
 - active problems and allergies
 - visit diagnoses
 - comments free-text field

2.2 Functional Testing Procedures

2.2.1 Create a patient visit using a previously registered patient

1. Login to CPRS as Mary Smith
2. Select Patient David Carter Jr.
3. Create a visit "Now" at the defined Clinic

2.2.2 Enter Vitals (Add)

1. On the Patient Cover Sheet for your patient, click any text in the Vitals pane. The Vitals User dialog appears.
2. Click the Enter Vitals button on the upper left of the screen. The Vitals Input dialog appears.
3. If necessary, click the Date/Time icon at the top of the screen and enter the appropriate date and time.
4. Enter appropriate vitals listed in the dialog (e.g., temperature, blood pressure, pain pulse, ox, etc.).
5. Select any applicable qualifiers from the Qualifiers drop-down menus. When you have finished entering vitals, click the Save button.
 - BP 140/90
 - Height 58"
 - Weight 80 lbs
 - Temperature 98.6 (F)
 - Pulse 124
 - Respiratory rate 30
 - Pain level = 0

6. After you click Save, vitals you entered appear along with the other most recent vitals entered in the pane at the bottom of the Vitals Input dialog. Abnormal values appear in red.
7. Calculate and display body mass index.
8. Click the Exit button or the Windows close button to return to the Cover Sheet.
9. The latest vitals display on the Patient Cover Sheet.

2.2.3 Edit Vitals

1. On the Patient Cover Sheet for your patient, click any text in the Vitals pane. The Vitals User dialog appears.
2. Click the Entered in Error button located at the top left of the dialog. The Entered in Error dialog appears.
3. Highlight the vital you need to edit.
B/P
4. Click the appropriate option button in the Reason pane at the bottom of the dialog. Note: You can choose from these reasons: Incorrect Date/Time, Incorrect Reading, Incorrect Patient, Invalid Record.
5. Click the Mark as Incorrect Reading button. A confirmation dialog appears.
6. Click Yes to confirm and process the change.
7. You are returned to the Vitals User dialog where you can see that the vital is marked "Entered in error."
8. Enter the correct vitals.
B/P: 120/60

2.2.4 Add Problems

On Problems tab, enter presenting symptoms in the Chief Complaint:
sore throat,
ear pain
mild difficulty breathing

2.2.5 Add Allergies

1. Add Penicillin to the list of allergies
specify the type of adverse reaction as "swelling"

2. Add “peanuts” to the list of allergies.
Specify type of allergic or adverse reaction to peanuts to be “hives”

Log off as Mary Smith, RN.

Log on as Richard Alexander, MD

2.2.6 Add/Edit/Delete Diagnoses

1. Select Problems Tab
Enter diagnosis of mild bronchitis due to allergies
Add to Problem list
2. Add another diagnosis: otitis media
3. Reselect diagnosis, change to mild bronchitis due to viral infection
4. Delete diagnosis of otitis media, “entered in error”

2.2.7 Edit/Discontinue Medications

NOTE: it is necessary to have a medications file installed in VistA prior to being able to work with either over-the-counter (OTC) or prescription medications.

1. Enter OTC medications;
Children’s Tylenol for 3 days
Benadryl for 10 days
2. Enter prescription:
Search for Albuterol from list of medications.
Search for Proventil from list of medications and select.
Prescribe Proventil, 1 puff every four hours as needed for wheezing.
3. Attempt to Enter prescription
Amoxicillin 250 mg/5ml, 15ml, 4 times a day
Adverse reaction warning will be displayed
4. Enter prescription
Vitamin B6 at ½ of one 50 mg tablet daily for six months (enter stop date or duration).
5. Sign all prescriptions with electronic signature

2.2.8 Edit/Delete Allergies

1. Delete penicillin as an allergy
use “entered in error” as the reason for deletion
2. Change peanut allergy reaction to “anaphylaxis”

2.2.9 Edit/Discontinue Medications

1. Discontinue Benadryl, with the reason that ailment is viral, not allergy
2. Change Proventil Prescription:
2 puffs every four hours as needed for wheezing.
Sign order.

2.2.10 Order Lab

1. Select Orders Tab
2. Order a Strep test
3. Sign order with electronic signature

2.2.11 Verify/certify lab order

NOTE: the results of the test must be input via the PuTTY utility

1. Input results of Lab test in PuTTY.
2. In CPRS Select Lab Tab
3. Ensure that the results of the Strep test appear

2.2.12 Add note to patient using TIU Template

1. Select Notes Tab
2. Select Office Visit note template
3. Verify that the automatically populated fields are correct
4. Add text to Comments field: Upper respiratory viral infection with mild bronchitis, avoid strenuous activity until lungs clear. Use inhaler as needed.
5. Save Note without signature
6. Reopen Note: add additional comment: Strep Test performed to rule out.
7. Save/SIGN note
8. Reopen Note to append, add Comment: Strep Test negative
9. Save/SIGN appended note.

Log out.



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(GIT commit _____)

Date: _____

Appendix A. Functional Testing Checklist

| Functional Testing Procedures | | | | |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------|-------|
| Test # | Description | Desired Outcome | Pass/Fail | Notes |
| Create a patient visit using a previously registered patient | | | | |
| 1 a | Login to CPRS as Mary Smith | Select Patient screen appears, showing the name of the provider at the top | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 1 b | Click Patient David Carter Jr. | Patient's demographic data appear, allowing confirmation of correct selection. | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 1 c | Select Patient David Carter Jr. | Patient's name, ID, DOB and age are displayed on the CPRS header frame | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 1 dc | Create a visit "Now" at the defined Clinic Click "Visit not Selected" in CPRS Header Frame | Visit Dialog opens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 1 e | Select the Clinic, Provider, and click Create visit Now | Dialog closes and visit information appear in the CPRS header frame | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Enter Vitals (Add) | | | | |
| 2 a | On the Patient Cover Sheet for your patient, click any text in the Vitals pane. | The Vitals User dialog appears. | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 2 b | Click the Enter Vitals button on the upper left of the screen. | The Vitals Input dialog appears. | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 2 c | If necessary, click the Date/Time icon at the top of the screen and enter the appropriate date and time. | Current Date and time are entered | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |



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| Functional Testing Procedures | | | | |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|
| Test # | Description | Desired Outcome | Pass/Fail | Notes |
| 2 d | Enter appropriate vitals listed in the dialog BP 140/90 Height 58” Weight 80 lbs Temperature 98.6 (F) Pulse 124 Respiratory rate 30 Pain level = 0 Click the Save button | After you click Save, vitals you entered appear along with the other most recent vitals entered in the pane at the bottom of the Vitals Input dialog. Abnormal values appear in red | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 2 e | Calculate and display body mass index. | Automatically done in CPRS, displayed in the vitals pane | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 2 f | Click the Exit button or the Windows close button | Return to the CPRS Cover Sheet, the latest vitals display on the Patient Cover Sheet | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Edit Vitals | | | | |
| 3 a | On the Patient Cover Sheet for your patient, click any text in the Vitals pane | The Vitals User dialog appears | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 3 b | Click the Entered in Error button located at the top left of the dialog | The Entered in Error dialog appears | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 3 c | Highlight the vital you need to edit. B/P | Edit Option dialog appears | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 3 d | Click the Mark as Incorrect Reading button | A confirmation dialog appears | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |



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(GIT commit _____)

Date: _____

| Functional Testing Procedures | | | | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|
| Test # | Description | Desired Outcome | Pass/Fail | Notes |
| 3 e | Click Yes to confirm and process the change. | You are returned to the Vitals User dialog where you can see that the vital is marked "Entered in error" | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 3 f | Enter the correct vitals. B/P: 120/60 Click the Save button | After clicking Save, corrected BP entered appear along with the other most recent vitals entered in the pane at the bottom of the Vitals Input dialog | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Add Problems/Diagnoses | | | | |
| 4 a | Add in the Problem List panel | Dialog opens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 4 b | Select Lexicon radio button and enter Mild sore throat for 2 weeks (enter appropriate date) Click Save | Dialog closes and new entry appears in the Problem List | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 4 c | Repeat 4 b process for: ear pain mild difficulty breathing | Dialog closes and new entries appears in the Problem List | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Add Allergies | | | | |
| 5 a | Click on the Adverse Reactions Pane heading on the CPRS Patient Cover Sheet | Dialog box for Adding/editing adverse reactions appears | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 5 b | Add Penicillin to the list of allergies specify the type of adverse reaction as "swelling" Click Save | New entry appears in the Adverse Reactions Pane and "A" is displayed in the Warnings area of the CPRS header | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |



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| Functional Testing Procedures | | | | |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------|-------|
| Test # | Description | Desired Outcome | Pass/Fail | Notes |
| 5 c | Add “peanuts” to the list of allergies. Specify type of allergic or adverse reaction to peanuts to be “hives” Click Save | New entry appears in the Adverse Reactions Pane | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Change User | | | | |
| 6 a | Log off as Mary Smith, RN. | CPRS closes | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 6 b | Open CPRS, log on as Richard Alexander, MD | Select Patient screen appears, showing the name of the provider at the top | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Add/Edit/Delete Diagnoses | | | | |
| 7 a | Select Problems Tab Enter diagnosis of mild bronchitis due to allergies Add to Problem list | Diagnosis is added | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 7 b | Add another diagnosis: otitis media | Diagnosis is added | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 7 c | Reselect diagnosis, change to mild bronchitis due to viral infection | Displayed diagnosis is changed | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 7 d | Delete diagnosis of otitis media, “entered in error” | Diagnosis is deleted | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Add Medications | | | | |
| 8 a | Select Medications Tab | Medications management display appears. | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |



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| Functional Testing Procedures | | | | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|
| Test # | Description | Desired Outcome | Pass/Fail | Notes |
| 8 b | In Non-VA Medications pane, right click to display options | List of available Medications dialog appears | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 8 c | Select the following from the list of available medications: Children's Tylenol for 3 days Benadryl for 10 days | Medications appear in active Home Medications list | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 8 d | Enter prescription: Search for Albuterol from list of medications. Search for Proventil from list of medications and select. Prescribe Proventil, 1 puff every four hours as needed for wheezing. Click OK | Order for Proventil will appears in Prescription Medication list, designated as requiring signature | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 8 e | Attempt to Enter prescription Amoxicillin 250 mg/5ml, 15ml, 4 times a day | Adverse reaction warning showing allergy to Penicillin will be displayed | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 8 f | Cancel order for Amoxicillin | Dialog closes, no change to prescribed medication list | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 8 g | Enter prescription Vitamin B6 at ½ of one 50 mg tablet daily for six months (enter stop date or duration). | Order for Vitamin B6 appears in prescription medication list, designated as requiring signature | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 8 h | Select and Sign all prescriptions with electronic signature | Signature required designation is removed from prescriptions | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |



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| Functional Testing Procedures | | | | |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|
| Test # | Description | Desired Outcome | Pass/Fail | Notes |
| Edit/Delete Allergies | | | | |
| 9 a | Delete penicillin as an allergy use “entered in error” as the reason for deletion | Removed from adverse reaction list, remains in history as entered in error | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 9 b | Change peanut allergy reaction to “anaphylaxis” | Change is visible in detail when specific allergy is selected from the adverse reaction pane | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Edit/Discontinue Medications – Requires Pass of Steps 8 a through 8 h | | | | |
| 10 a | Discontinue Benadryl, with the reason that ailment is viral, not allergy | Benadryl is noted as discontinued on the medications page, does not appear on the active medications list in the Cover Sheet | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 10 b | Change Proventil Prescription: 2 puffs every four hours as needed for wheezing. Sign order. | Detail changes in prescription medication pane | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Order Lab | | | | |
| 11 a | Select Orders Tab | Orders display opens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 11 b | Click Add Order | Order Dialog opens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 11 c | Enter an order for an immediate strep test | Dialog allows user to search for and select the correct test and time parameters | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |



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| Functional Testing Procedures | | | | |
|----------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------|-------|
| Test # | Description | Desired Outcome | Pass/Fail | Notes |
| 11 d | Click OK | Electronic Signature request is displayed | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 11 e | Sign order with electronic signature | Order is accepted and appears in the orders list | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Verify/certify lab order - Requires Pass for steps 11 a through 11 e | | | | |
| 12 a | Open PuTTY window, Log on as CAC or administrator | Logon is successful, EVE menu is displayed | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 12 b | Navigate to Lab results routine | System prompts user to enter lab results | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 12 c | Enter Strep Test Results "Negative" Accession result | results of the Strep test are input and accessioned | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 12 d | "Enter" until user is logged off of PuTTY | Successful Logoff | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 12 e | Return to CPRS and Select Lab Tab | Lab test entry for Strep Test is listed | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 12 f | Click Strep Test entry | results of the Strep test appear | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Add note to patient using TIU Template | | | | |
| 13 a | Select Notes Tab | Notes page is displayed | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 b | Click "Templates" dropdown Select Office Visit note template | Available notes templates are displayed | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 c | Select Office Visit note template | Template opens pre-populated with patient data | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |



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| Functional Testing Procedures | | | | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|
| Test # | Description | Desired Outcome | Pass/Fail | Notes |
| 13 d | Verify that the automatically populated fields are correct | All data reflect the most recently entered information in each category | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 e | Click in the Comments field, Add text: "Upper respiratory viral infection with mild bronchitis, avoid strenuous activity until lungs clear. Use inhaler as needed." | Text is input into the note | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 f | Click Save | Dialog for saving note appears, with a signature query | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 g | Click Save without signature | Note is saved, dated note icon appears in Notes list at left, it is designated as not signed | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 h | Click saved Note: | Note opens for editing. It is possible to change existing information in the note | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 i | Select Action Make Addendum Add additional comment: "Strep Test performed to rule out." | Additional text appears in note with previous comments | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 j | Click Save Note | Dialog for saving note appears, with a signature query | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 k | Click SIGN Note Now | Electronic signature dialog opens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 l | Save signature | Note is saved, dated note icon in Notes list at left, it is designated as signed | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |



System Designation: _____
(GIT commit _____)

Date: _____

| Functional Testing Procedures | | | | |
|-------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|
| Test # | Description | Desired Outcome | Pass/Fail | Notes |
| 13 m | Click saved Note: | Note opens for review. It is not possible to change existing information in the note. | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 n | Reopen Note to append, add Comment: Strep Test negative | Addendum dialog opens for entry | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 o | Save/SIGN appended note. | Dialog closes, original note shows an addendum | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| 13 p | Log out. | CPRS closes | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |