**Medtronic MITG**

**Research & Development**

**System Installation Qualification and Post Deployment Readiness Check Plan & Procedures**

**Production and QA-Prod**

**Gateway Device Management Platform v3.3, Build 3.3.4.1**

**RE00075353 Rev B**

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| Issue Date: Refer to Agile | | | Page 1 of Page 1 of 34 |
|  | | | |
| Revision History: | | | |
| Revision | SDA | Description | |
| A | RC072029 | Initial Release | |
| B | RC073680 | Removed invalid test cases, added alert cleanup, web code check, references | |

|  |
| --- |
| Author(s): Refer to Agile for approvals |
| Chip Atkinson - QA Engineer |
| **Approvals: Refer to Agile for approvals** |
| Maureen Richard- R&D HI&M |
| Cliff Schorr – QA, PMR |
| Ted Regan – R&D , HI&M |

**Table of Contents**

1 Introduction 3

2 Reference 3

3 Dependencies 3

4 Scope 4

5 Testing Targets 4

5.1 Versions under test 4

6 Test Configurations 5

6.1 Software configuration 5

6.2 Hardware configuration 5

6.2.1 PRODUCTION Servers 5

6.2.2 QA-PROD Servers 6

6.2.3 Laptop 6

7 Test Procedures 6

7.1 Platform Checks 6

7.1.1 Server OS Version check 6

7.1.2 Server Software Version Check 7

7.1.3 Java Verification: 7

7.1.4 Configuration file verification 9

7.2 WebUI 9

7.2.1 Initial checks 9

7.2.2 Agent 10

7.2.3 Clients 11

7.2.4 Pre-test setup 13

7.2.5 Agent and client testing 13

7.2.6 Post-test clean-up 24

7.2.7 Device independent testing 25

8 Test Results 33

# Introduction

This document provides a plan and procedures for the Installation Qualification and Post Deployment Check Readiness performed on the PRODUCTION or QA-PROD System for the GDMP v3.3 Production and QA-Prod Deployment.

# Reference

1. Server Install and Configure Guide Gateway; R0043209

Note: Unless specified with a version number, all documents will be referenced by their latest approved version in Agile.

# Dependencies

1. Successful testing depends on the following items:
   1. Access to devices:
      1. SCD 700
      2. PB980
      3. LS-10
      4. FT-10
      5. Emprint client
      6. Signia stapler
   2. Vlex client installation file to support Signia stapler

# Scope

The scope of this document verifies:

1. Server Installation and configuration is correct.
2. Agent can be installed and started successfully.
3. All functions and features of the GDMP User Interface work correctly.
4. All device clients can be installed, started, and operate successfully.
5. Verify GATEWAY-4894 did not introduce any defects  
   (GATEWAY-4894 Intermittant Stall/Slowdown on PROD v3.3.4 WebUI and App Servers.)
6. Data comparison will not be performed as there was no data migration and no schema change. (Database configuration files will be compared however)

# Testing Targets

This document is aimed at testing in both the PRODUCTION and the QA-PROD environments.

## Versions under test

| **Servers** | **Version** |
| --- | --- |
| Web Server | 3.3.4 |
| Application Server | 3.3.4.1 |

|  |  |
| --- | --- |
| **Agents** | **Version** |
| Agent | 3.1.4 |
| VLEX 3.1.5 bundled\* | 3.1.3 (Bundled with VLEX 3.1.5) |
| VLEX 3.2 bundled\*\* | 3.3.4 (Bundled with VLEX 3.2) |

\*Signia will not be tested with agent 3.1.3, bundled with VLEX 3.1.5

\*\*Only Signia will be tested with agent 3.3.4, bundled with VLEX 3.2

|  |  |
| --- | --- |
| **Client Software** | **Version** |
| VLEX Client | 3.1.5 |
| VLEX Client | 3.2 **RC6** |
| SCDU Client | 1.0.3 |
| Emprint Client | 1.1 |
| ESS Client | 1.06 |

# Test Configurations

## Software configuration

|  |  |
| --- | --- |
| **Client Software** | **Version** |
| Google Chrome | v53.0.2785.116m (or latest version) |
| SCDU Configuration file | v5.0 |
| Java | v6 (JDK 1.6) |
| JRE | 1.6.0\_u33 |
| Apache | 2.2.31-1 |
| Apache tomcat | 7.0.29 |
| php | 5.3.3 |
| Drupal | 6.26 |
| MySQL | 5.1.52 |

Server Software Configuration is captured in section 6.2.1 and 6.2.2

Agent OS Configurations: Windows 7 64-bit

Client Software Configurations: Windows 7 64-bit

## Hardware configuration

This section lists all hardware required to execute the Installation Qualification Testing part of this document. All servers are located in cloud servers which are hosted by Terremark.

### PRODUCTION Servers

The table below lists the hardware configuration of the Terremark rss.covidien.com and rss-app.covidien.com servers.

|  | **Web Server1** | **Web Server2** | **App Server1** | **App Server2** | **DB Server1** | **DB Server2** |
| --- | --- | --- | --- | --- | --- | --- |
| Operating System | RHEL 6.8 | RHEL 6.8 | RHEL 6.8 | RHEL 6.8 | RHEL 6.8 | RHEL 6.8 |
| System type | Linux | Linux | Linux | Linux | Linux | Linux |
| Memory | 8G | 8G | 16G | 3G | 24G | 24G |
| CPU | 2 | 2 | 4 | 1 | 16 | 16 |
| Model | Intel(R) Xeon(R) CPU X5570  @ 2.93GHz | Intel(R) Xeon(R) CPU X5570  @ 2.93GHz | Intel(R) Xeon(R) CPU X5570  @ 2.93GHz | Intel(R) Xeon(R) CPU X5570  @ 2.93GHz | Intel(R) Xeon(R) CPU X5570  @ 2.93GHz | Intel(R) Xeon(R) CPU X5570  @ 2.93GHz |
| Serial Number | N/A: VM | N/A: VM | N/A: VM | N/A: VM | N/A: VM | N/A: VM |
| Asset | N/A | N/A | N/A | N/A | N/A | N/A |
| Physical Location | Terremark Farm RSSPROD (11476801) | Terremark  Farm RSSPROD (11476801) | Terremark Farm RSSPROD (11770801) | Terremark Farm RSSPROD (11476801) | Terremark Farm RSSPROD (11476801) | Terremark Farm RSSPROD (11476801) |
| IP address | 10.106.111.13 | 10.106.111.14 | 10.106.111.15 | 10.106.111.16 | 10.106.111.144 | 10.106.111.142 |

### QA-PROD Servers

The table below lists the hardware configuration of Terremark RSSQAPROD Server:

|  | **Server** |
| --- | --- |
| Operating System | RHEL 6.8 |
| System type | Linux |
| Memory | 24G |
| CPU | 2 |
| Model | Intel(R) Xeon(R) CPU X5570  @ 2.93GHz |
| Serial Number | N/A: VM |
| Asset | N/A |
| Physical Location | Terremark Farm RSSQAPROD (1766101) |

### Laptop

The table below lists the hardware configuration of Windows 7 64bit OS laptop that agent was installed on:

|  |  |
| --- | --- |
| **Items** | **Laptop 1 – Windows 7** |
| Operation System | Windows 7 |
| System type | Laptop |
| Network | Wireless and wired |
| Memory | 8G |
| CPU | Intel Core i5-4301U @2ghz |
| Model | Elite book folio 9480 |
| Serial | 5CG610155C |
| Asset | N/A |
| Physical Location | Boulder |

# Test Procedures

## Platform Checks

### Server OS Version check

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| ServerOSPlatformVersionCheckTestProcedure | This test procedure is to verify that the correct versions of the OS platform are installed on Gateway Servers.  Result is 'PASS' if actual version is the same as expected version. Expected OS software version is listed in section 6.2 |  |  |

### Server Software Version Check

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| ServerSoftwareVersionCheckTestProcedure | This test procedure is to verify that the correct versions of the different system software components are installed on Gateway Servers.  Result is 'PASS' if actual version is the same as expected version. Expected software versions are listed in section 6.1  Verify and record the following software components:   * JRE (Java Runtime Environment) * Apache * Apache tomcat * PHP * Drupal * MySQL |  |  |

### Java Verification:

#### Java version verification

| **Test Procedure Name** | **Description** | **Result** | **Initials,date** |
| --- | --- | --- | --- |
| Java version verification | This test procedure verifies that the jar files used in formal testing are the same as those deployed.   1. ~~Verify that the manifest shows it was built with java 6.  cat /opt/tomcat/webapps/covidien/META-INF/MANIFEST.MF~~   ~~The output should contain Build-Jdk: 1.6.0\_33~~   1. Verify that the class files have a major version of 50, representing java 6. For example, if the class file is ComGUID$ComGuidId.class, the command would be javap -verbose $(basename ComGUID$ComGuidId.class .class) | grep major |  |  |

#### War & Jar comparison

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Java build version | Verify the build version of the classes and web application:  ~~cat /opt/tomcat/webapps/covidien/META-INF/MANIFEST.MF~~  cd /opt/tomcat/webapps/covidien/WEB-INF/classes/com/covidien/server    for file in \*.class; do  echo -n "$file: "  javap -verbose $(basename $file .class) | grep major  done | column -t  Expect to see a major version of 50  cd /opt/tomcat/work/Catalina/localhost  for file in $(find -L $(pwd) -name "\*.class"); do  cd $(dirname $file)  echo -n "$file: "  javap -verbose $(basename $file .class)| grep major  done| column -t  Expect to see major version of 50 |  |  |
| WAR comparison | Verify that WAR files to be deployed contain the same files as deployed in QA for Patch Test. |  |  |

#### Database Verification

### Configuration file verification

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Configuration file verification | Verify that the configuration files (/etc/my.cnf) are the same between the new server and the existing server. I.e. new production and production |  |  |

## WebUI

### Initial checks

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Server Version Check | Check server version:   * Open <https://rssqaprod.covidien.com> or <https://rss.covidien.com> in a browser * Verify the server version on the login page shows 3.3.4.1 |  |  |
| Login check | Check a successful login to Device Management UI:   * Login to Device Management UI as administrator  Username: -------------------------Passsword: ------------------------- * Verify Home page displays correctly |  |  |

### Agent

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Agent download version | * Download and verify that the agent from the client download page is that shown in section 5 of this document. * Verify other agent versions are NOT available via the downloads page or through modified URL |  |  |
| Remove existing agent | Remove any existing agent installation |  |  |
| Install agent | Install agent, verify it is running |  |  |
| Agent points to production | Verify that downloaded agent points to production server |  |  |
| Connection tool displays correct server | Verify that connection tool correctly displays the server to which the agent is connecting. |  |  |

### Clients

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Client download versions | Download, install, and verify that the following clients available for download from the client download page match those in section 5.1   * ESS * SCDU * Emprint |  |  |
| Download page check | * Check client download page: * Login to Device Management UI * Click on ‘Download Covidien Client Applications’ link * Verify that the client download page displays properly * Verify that ESS Software is available to be downloaded with downloading link provided. * Verify that SCDU Software is available to be downloaded with downloading link provided. * Verify that the Emprint client software is available to be downloaded with downloading link provided |  |  |
| Installation of clients | Check installation of client (ESS, SCDU, Emprint Client):   * Install client (ESS, SCDU, VLEX Client, Emprint Client) * Verify that client (ESS, SCDU, VLEX, Emprint Client) is installed successfully |  |  |

### Pre-test setup

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Subscribe to email alerts | For each device type tested, FT10, LS10, SCD700, PB980, Signia, Emprint, subscribe yourself to alerts. |  |  |

### Agent and client testing

**Pre-conditions:**

Computer User has Admin Access.

Agent installation file has been ready under a folder.

Vlex Client installation file has been ready under a folder.

User has been created in the server for Vessel Sealing Class of Trade with permission to install software. (Record User Name. E.g. : rose.ni@medtronic.com )

Subscribe to email alerts for Software Update Successful for all vlex devices (FT10, LS10, Signia)

#### VLEX (3.1.5)

NOTE: VLEX 3.1.5 client is available for download from <http://www.medtronic.com/covidien/support/valleylab-exchange>

##### Bundled Agent (3.1.3)

###### Install, verify version number

| **Test Steps** | **Expected Result** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Remove previously installed agent | No "Device Managment Agent" folder found in C:\Program Files\Covidien |  |  |
| Install VLEX 3.1.5 | VLEX client shortcut on desktop |  |  |
| View file "C:\Program Files\Covidien\Device Management Agent\resource\conf.properties" | Tail end of configuration file should show version number:  AGENTVERSION = 3.1.3 |  |  |
| Go to  Windows Start Menu->All Programs | Valleylab Exchange folder exists |  |  |
| Go to windows Services | Verify Device Management Agent Service and Device Management Agent Boot Loader service is running |  |  |
| **QAProd:** Launch Remapper and point the server to Production or QA-Prod Server, click Remapper button.  **Production:** The agent from production should automatically point to production without intervention | Agent started successfully and point to Prod or QA-Prod server. (check connection check in agent log file) |  |  |
| Launch Vlex Client and login with user in Pre-condition 4. | Verify that User can successfully login Vlex Client with Server connection status as connected. |  |  |

###### Device testing

FT10

| **Test Steps** | **Expected Result** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Launch VLEX and login with user:  Username: \_\_\_\_\_\_\_\_  Password: \_\_\_\_\_\_\_\_ | User connected to client |  |  |
| Update FT10 software | Software updates successfully |  |  |
| View Service History tab | Verify that data under "Service History" page is correct. |  |  |
| View HW/SW configuration tab | Updated version appears |  |  |
| View Log Viewer tab, verify logs for upgrade appear. | Logs pertaining to upgrade appear. If device has previously been seen by system, historical logs appear as well. The following log files are available for FT10:   * FT10: \*.html.gz, \*.dat.gz (Both types viewable and downloadable) * The FT10 may have RFIDLog.\* files but they should not be viewable nor downloadable. * Verify that log files can be successfully opened, viewed and downloaded. |  |  |
| View Reports, Verify each relevant report shows update | Reports show update activity, reflect current values |  |  |
| Check Alerts in email | Alerts sent to email |  |  |

LS10

| **Test Steps** | **Expected Result** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Launch VLEX and login with user:  Username: \_\_\_\_\_\_\_\_  Password: \_\_\_\_\_\_\_\_ | User connected to client |  |  |
| Update LS10 software | Software updates successfully |  |  |
| View Service History tab | Verify that data under "Service History" page is correct. |  |  |
| View HW/SW configuration tab | Updated version appears |  |  |
| View Log Viewer tab, verify logs for upgrade appear. | Logs pertaining to upgrade appear. If device has previously been seen by system, historical logs appear as well. The following log files are available for LS10:   * LS10: \*.html.gz (viewable and downloadable) * Verify that log files can be successfully opened, viewed and downloaded. |  |  |
| View Reports, Verify each relevant report shows update | Reports show update activity, reflect current values |  |  |
| Check Alerts in email | Alerts sent to email |  |  |

Signia

Signia is not supported with agent 3.1.3 and won't be tested.

#### VLEX (3.2)

##### Bundled Agent (3.3.4)

###### Install, verify version number

| **Test Steps** | **Expected Result** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Remove previously installed agent | No "Device Managment Agent" folder found in C:\Program Files\Covidien |  |  |
| Install VLEX 3.2 | VLEX client shortcut on desktop |  |  |
| View file "C:\Program Files\Covidien\Device Management Agent\resource\conf.properties" | Tail end of configuration file should show version number:  AGENTVERSION = 3.3.4 |  |  |
| Go to  Windows Start Menu->All Programs | Valleylab Exchange folder exists |  |  |
| Go to windows Services | Verify Device Management Agent Service and Device Management Agent Boot Loader service is running |  |  |
| **QAProd:** Launch Remapper and point the server to Production or QA-Prod Server, click Remapper button.  **Production:** The agent from production should automatically point to production without intervention | Agent started successfully and point to Prod or QA-Prod server. (check connection check in agent log file) |  |  |
| Launch Vlex Client and login with user in Pre-condition 4. | Verify that User can successfully login Vlex Client with Server connection status as connected. |  |  |

###### Device testing

Signia

| **Test Steps** | **Expected Result** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Launch VLEX and login with user:  Username: \_\_\_\_\_\_\_\_  Password: \_\_\_\_\_\_\_\_ | User connected to client |  |  |
| Update Signia software *NOTE: At this time signia software cannot be updated because it is a new device and there are no configurations, alert configurations, or released packages in the production system.* | Software updates successfully |  |  |
| View Service History tab | Verify that data under "Service History" page is correct. |  |  |
| View HW/SW configuration tab | Updated version appears |  |  |
| View Log Viewer tab, verify logs for upgrade appear. | Logs pertaining to upgrade appear. If device has previously been seen by system, historical logs appear as well. The following log files are available for Stapling:   * Stapling: \*.html.gz (viewable and downloadable), \*.bin.gz (downloadable only) * Verify that log files can be successfully opened, viewed and downloaded. |  |  |
| View Reports, Verify each relevant report shows update | Reports show update activity, reflect current values |  |  |
| Check Alerts in email | Alerts sent to email |  |  |

#### Download Agent and supported clients

* Remove the agent used for VLEX testing
* Install the agent downloaded from the client downloads page
* Verify version of agent by looking at the tail end of the agent configuration file.  
  Version should be 3.1.4

#### ESS/PB980

| **Test Steps** | **Expected Result** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Launch ESS and login with user:  Username: \_\_\_\_\_\_\_\_  Password: \_\_\_\_\_\_\_\_ | User connected to client |  |  |
| Update PB980 software | Software updates successfully |  |  |
| View Service History tab | Verify that data under "Service History" page is correct. |  |  |
| View HW/SW configuration tab | Updated version appears |  |  |
| View Log Viewer tab, verify logs for upgrade appear. | Logs pertaining to upgrade appear. If device has previously been seen by system, historical logs appear as well. The following log files are available for Ventilation:   * Ventilation: \*.log.html.gz, log.xml.gz (Both types downloadable and viewable) * Verify that log files can be successfully opened, viewed and downloaded. |  |  |
| View Reports, Verify each relevant report shows update | Reports show update activity, reflect current values |  |  |
| Check Alerts in email | Alerts sent to email |  |  |

#### SCD 700

| **Test Steps** | **Expected Results** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Launch SCDU and login with user:  Username: \_\_\_\_\_\_\_\_  Password: \_\_\_\_\_\_\_\_ | User connected to client |  |  |
| Update SCD700 software | Software updates successfully |  |  |
| View Service History tab | Verify that data under "Service History" page is correct. |  |  |
| View HW/SW configuration tab | Updated version appears |  |  |
| View Log tab | Verify no errors. (Logs not supported by SCD700) |  |  |
| View Reports, Verify each relevant report shows update | Reports show update activity, reflect current values |  |  |
| Check Alerts in email | Alerts sent to email |  |  |

#### Emprint client

| **Test Steps** | **Expected Results** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Launch Emprint client and login with user:  Username: \_\_\_\_\_\_\_\_  Password: \_\_\_\_\_\_\_\_ | User connected to client |  |  |
| Update Emprint software | Software updates successfully |  |  |
| View Service History tab | Verify that data under "Service History" page is correct. |  |  |
| View HW/SW configuration tab | Updated version appears |  |  |
| View Log Viewer tab, verify logs for upgrade appear. | Logs pertaining to upgrade appear. If device has previously been seen by system, historical logs appear as well. The following log files are available for Ablation:   * Ablation: \*.html.gz (Downloadable and viewable) * Verify that log files can be successfully opened, viewed and downloaded. |  |  |
| View Reports, Verify each relevant report shows update | Reports show update activity, reflect current values |  |  |
| Check Alerts in email | Alerts sent to email |  |  |

### Post-test clean-up

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Unsubscribe to email alerts | For each device type tested, FT10, LS10, SCD700, PB980, Signia, Emprint, remove the earlier subscriptions to alerts. |  |  |

### Device independent testing

#### Request User ID

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Self-registration | * Check function of self-registration via “Request a User ID” link on Home Page: * Open <https://rss.covidien.com> or https://rssqaprod.covidien.com in a web browser * Click on “Request a User ID” link * Verify that “Approving Manager” list is displaying correctly |  |  |

#### Forgot Password

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Forgot password | * Check function of “Forgot Password” on Home Page: * Open <https://rss.covidien.com> or <https://rssqaprod.covidien.com> in Internet Explorer * Click on “Forgot Password?” link * Verify user can receive forget password email and the link navigates correctly |  |  |

#### Software Bundle Status

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Check Bundle Status | * Check Software Bundle status is updated to ‘Yes’: QAProd: * Verify when a new Software Bundle is created on server, the status of the Software package is updated to 'Yes' after 10 mins. * Verify when a new business rule is created on server, the status of the Software package is updated to 'Yes' after 10 mins. * Verify that user could not create a same version business rule on server. Production: * We cannot upload files to production. Therefore go to the infrastructure CoT and add the test packages there. * Verify that the package is updated to 'Yes' after 10 min. * Archive package after they go to 'Yes' |  |  |

#### Devices Page

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Check Devices Page | * Check “Devices” page: * Click "Devices" tab on the top right of the window * Verify ‘Compression’ displays in Class of Trade dropdown list   + Verify 'SCD 700' appears in device type dropdown list   + Verify 'SCD Client' appears in device type dropdown list * Verify ‘Ventilation’ displays in Class of Trade dropdown list   + Verify 'PB980\_Ventilator' appears in device type dropdown list   + Verify 'VTS Client' appears in device type dropdown list * Verify 'Ablation' displays in Class of Trade dropdown list   + Verify 'Emprint Procedure Planning Application' appears in device type dropdown list   + Verify 'Emprint Client' appears in device type dropdown list. * Verify ‘Vessel Sealing’ displays in Class of Trade dropdown list   + Verify 'VLEX Client' appears in device type dropdown list   + Verify ‘ValleyLab LS10’ appears in Device Type dropdown list   + Verify ‘ValleyLab FT10’ displays in Device Type dropdown list * Verify 'Infrastructure' displays in Class of Trade dropdown list   + Verify 'Administrative\_Agent' appears in Device Type dropdown list. * Verify 'Stapling' displays in Class of Trade dropdown list   + Verify 'SigniaTMStapler' appears in Device Type dropdown list |  |  |

#### Reports Page

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Check “Reports” page | * Click "Reports" tab on the top right of the window * Select one of the Class of Trade, check the page refreshes * Check all characters and buttons display correctly |  |  |

#### User Management Page

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Check "User Management" page | * Click "Admin" tab on the top right of the window * Check "User Management" page displays as default * Verify that there is no user named ‘anon.ymous@covidien.com’ in users list. * Click Add new button * Check it goes to “Add a New User” page * Click Cancel button * Check it returns to “User Management” Page |  |  |

#### Hardware Catalog Page

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Check "Hardware Catalog" page | * Click " Hardware Catalog " tab * Click “Add New Hardware” button * Check it goes to “Add New Hardware to Catalog” page * Click Cancel button * Check it returns to “Hardware Catalog” Page |  |  |

#### Software Catalog page

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Check "Software Catalog" page | * Click " Software Catalog " tab * Only add software to Infrastructure CoT * Click “Add New Software” button * Check it goes to “Add New Software to Catalog” page * Check add software to server successfully * Check archive software which has added to server |  |  |

#### Document Catalog page

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Check "Document Catalog" page | * Click "Document Catalog" tab * Click “Add New Document” button * Check it goes to “Add New Document to Catalog” page * Add a new document associated to an existing software * Check it returns to “Document Catalog” Page |  |  |

#### Configuration Management page

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Check "Configuration Management" page | * Click "Configuration Management" tab * Click “Add a New Configuration” button * Check it goes to “Add a New Configuration” page * Click Cancel button * Check it returns to “Configuration Management” Page |  |  |

#### Log out link

| **Test Procedure Name** | **Description** | **Result** | **Initials, date** |
| --- | --- | --- | --- |
| Check Logout link | * Click “Logout” * Verify user logout successfully |  |  |

# Test Results

The test results will be summarized in a separate test report document. That document details the execution results, problems found, test configurations used and articulates a final recommendation on whether or not the GDMP system 3.3 should be released for production use. The test results will be submitted and approved in Agile system.