**Medtronic MITG**

**Research & Development**

**System End to End Test Procedures for Emprint Ablation Visualization Application**

**Gateway Device Management Platform v4.0**

**RE00031461 Rev B**

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| Author(s) – Refer to SDA W for approvals | | |
| Mirror Wang: InsigmaUS [Manual approval] | | |
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| --- |
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# Introduction

This document is the End to End Test procedure for Emprint Ablation Visualization Application - Gateway project. It is the overarching test document that governs the end to end test effort. It calls out the specific tests that will be performed. These test procedures contain the test steps and PASS/ FAIL criteria.

## Scope & Test Phase

This end to end test procedure document tests the user scenarios for the Emprint Ablation Visualization Application Remote Software Product. The test is based on product users, their characteristics and use cases.

Here the expected components installation of The Emprint Ablation Visualization Application and the Common Client application are installed in the same laptop.

## Reference Documents

1. R0030891 System Requirements Specification (SRS) Gateway
2. R0023257 SW Design Document Gateway
3. R0026601 System Architecture Document Gateway
4. R0065711 SW Development Plan Gateway
5. R0031481 Protocol\_Usability\_Gateway
6. R0030938 Use Case Diagrams Gateway
7. R0037810 Web UI User Guide
8. QD08330 AddUser WI

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

## Emprint Ablation Visualization Application / Gateway Roles and Permissions

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Role (Ablation)** | Device | Reports | Alert | Admin | User Mgt | HW | SW | Document | Feature | Configuration Management | Device Access Privilege | | | | |
|
| Entitle to install SW | Install Latest Version SW Only | Access Limited Release SW | Entitle to install Feature License | Access Limited Release Feature License |
| Yes/No | Yes/No | View/Edit/No | View/No | View/Edit/No | View/Edit/No | View/Edit/No | View/Edit/No | View/Edit/No | View/Edit/No | Yes/No | Yes/No | Yes/No | Yes/No | Yes/No |
| Biomed | Yes | Yes | Edit | No | No | No | No | No | No | No | Yes | Yes | No | Yes | No |
| CoT Admin | Yes | Yes | Edit | Yes | Edit | Edit | Edit | No | Edit | Edit | Yes | No | Yes | Yes | Yes |
| Development Mgr/Eng | Yes | Yes | Edit | No | View | View | View | No | View | View | Yes | No | Yes | Yes | Yes |
| Distributor | Yes | Yes | Edit | No | No | No | No | No | No | No | Yes | Yes | No | Yes | No |
| Field Service | Yes | Yes | Edit | No | No | No | No | No | No | No | Yes | No | No | Yes | No |
| Manufacturing | Yes | No | Edit | No | No | No | No | No | No | No | Yes | No | Yes | Yes | Yes |
| Marketing | Yes | Yes | Edit | No | View | No | No | No | No | No | Yes | No | No | Yes | No |
| Quality & Reliability | Yes | Yes | Edit | No | No | View | View | No | View | View | Yes | No | Yes | Yes | Yes |
| Sales Rep | Yes | Yes | Edit | No | View | No | No | No | No | No | Yes | No | No | Yes | No |
| Technical Support | Yes | Yes | Edit | Yes | Edit | View | View | No | View | View | No | No | No | No | No |

Note:

1) Admin for Emprint Ablation Visualization Application is equivalent to CoT Admin.

2) Limited Release identifies software not released for production distribution.

3) Limit Access pertains to a user-id that does not have an associated training record in the DMP. This allows create device, update country, & log upload.

## Test Configurations

### Hardware Configurations

Emprint Ablation Visualization Application end to end test is planned to be executed on Terremark QA servers. Server information will be captured during testing execution.

Server information such as IP Address, CPU, Memory and HDD, etc. will be captured during end to end testing.

Testing computers information such as Module, CPU, Memory and HDD will be captured during end to end testing

All the medical devices information such as Module, Serial Number will be captured during integration testing.

All Gateway server version 4.0 deliverables should run on servers hosted by Terremark.

### Software Configurations

### Server Software Configurations

Server Software Configurations will be captured in the End to End test report.

### Agent Software Configurations

Agent Software Configurations will be captured in the End to End test report.

### Client Software Configurations

Client Software Configurations will be captured in the End to End test report

### Device Software

1. Emprint Ablation Visualization Application v1.4.0.3
2. Emprint Ablation Visualization Application v1.4.0.4

## Test Tools

Gateway Device Management Platform version 4.0 with Emprint Ablation Visualization Application end to end testing will be conducted using the following tools:

* Emprint CSP Service ­version: \_\_ **1.0**\_\_\_\_
* Common Client version 1.0

# Test Procedures

The end-to-end test procedures are created based on below mentioned roles within Gateway system.

* Class of Trade administrator
* Biomedical Engineering Technician
* Field Service Technician
* Development Management
* Technical Support User

### Test Procedure List

|  |  |  |
| --- | --- | --- |
| **EMPRINT ABLATION VISUALIZATION APPLICATION** | | |
| **#** | **Test Procedure** | **Description** |
| 1 | CreateTechnicalSupportUserTestProcedure | This test procedure is to verify that Global User Admin can create Technical Support user account successfully and Technical Support user can create other Emprint Ablation Visualization Application users. |
| 2 | CreateCoTAdminUserTestProcedure | This test procedure is to verify that Technical Support user can create Ablation CoT Admin user account successfully and CoT admin can manage Catalog pages and subscribe all the email notifications. |
| 3 | CreateBiomedUserTestProcedure | This test procedure is to verify that Technical Support user can create Biomed user account successfully and add Certified training record for Biomed user. |
| 4 | CreateFieldServiceUserTestProcedure | This test procedure is to verify that Technical Support user can create Field Service user account successfully and Field Service user can manage device (create device and upgrade device software). |
| 5 | CreateDevelopmentMgrUserTestProcedure | This test procedure is to verify that Technical Support user can create Development Management user account successfully. |
| 6 | CatalogManageFor\_Emprint\_Procedure\_Planning\_Application\_TestProcedure | This test procedure is to verify that CoT admin user can create the HW/SW/Features/Doc on Web server. |
| 7 | DeviceManageFor\_Emprint\_Procedure\_Planning\_Application\_TestProcedure | This test procedure is to verify that Field Service User can change password on client and then create device/ upgrade for Emprint Ablation Visualization Application; Field Service User and COT admin user can check the received email; |
| 8 | CheckSoftwareDiscrepancyFor\_Emprint\_Procedure\_Planning\_Application\_TestProcedure | This test procedure is to verify that COT admin user can receive the discrepancy email notification. |
| 9 | ServerDownloadUploadStatusFor\_Emprint\_ Procedure\_Planning\_Application\_TestProcedure | This test procedure is to verify the log upload status, software package download status and server status from Common Client with Gateway Agent running. |
| 10 | DeviceManageDisconnectModeFor\_Emprint\_Procedure\_Planning\_Application\_TestProcedure | This test procedure is to verify that Field Service User can create new device/ upload log file and upgrade software successfully in disconnect mode. |

## Test Procedures Detail

### Test Preparation

* Following user should exist on Gateway QA server (The users need to be created before test execution if the users don’t exist.):

|  |  |  |  |
| --- | --- | --- | --- |
| **User Name** | **Email** | **Password**(Password is auto-generated) | **Roles** |
| Admin Global | [global.admin@covidien.com](mailto:global.admin@covidien.com) | Record Password:  \_\_\_\_ \_\_\_\_\_\_ | Tech Support User |

* Roles and Permissions in section 1.3 shall exist on Gateway QA server (The roles and permissions need to be set up before test execution if they do not exist.)

### User Management

|  |
| --- |
| **Test Procedure –** **CreateTechnicalSupportUserTestProcedure** |
| **Test Purpose:**  1. To verify the Technical Support user for Emprint Ablation Visualization Application can be created successfully.  2. To verify the permission of Technical Support user whether meets the required access policy  3. To verify the Emprint Ablation Visualization Application Technical Support user can changes his password on the Web UI through ‘Forgot Password’ link in received email.  **Pre-condition:**  1. “Admin Global” user exists on Web Server |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Step#** | **Test Steps** | **Expected Result** | **Actual Result** | **Defect Id** |
| 1 | Login web UI as “Admin Global” user. | It goes to home screen. | PASS/FAIL |  |
| 2 | Switch to “Users” page and then click 'CREATE NEW USER' button. | It goes to “Create New User” page. | PASS/FAIL |  |
| 3 | Enter following fields:  Is the new user a Medtronic employee: Yes  First name: \_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Last name: \_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Country: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Language: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Password: [press ‘Auto Generate’ button to generate a password] |  | PASS/FAIL |  |
| 4 | Assign following permission to the user: Role: Emprint Ablation Visualization Application’s Technical Support and set it as default role Device Access: Entitle to Install SW Then click ‘SAVE’ button. | The Emprint Ablation Visualization Application’s Technical Support user is created successfully. | PASS/FAIL |  |
| 5 | Sign in user’s email address with created “Emprint Ablation Visualization Application” Technical Support user to check received email. | 1. There are two emails for “New User Register” in user email inbox. | PASS/FAIL |  |
| 1. One Email is providing the Gateway Web Server URL associated with the user’s Email Address as the user name. | PASS/FAIL |  |
| 1. Another Email has following information provided:    1. Link to reset password.    2. Inform user that can change password using the “Forgot Password” link on login screen. | PASS/FAIL |  |
| 6 | Click the link in e-mail:  Enter following fields in Web UI:  New Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Confirm Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Then click “Submit” button. | There is a message “Your password reset successfully”. | PASS/FAIL |  |
| 7 | Logout Web UI and then login again with “Emprint Ablation Visualization Application” Technical Support user created above. | 1. It goes to home page with “Emprint Ablation Visualization Application” in Class of Trade field. | PASS/FAIL |  |
| 2. Only “Emprint Ablation Visualization Application” exists in Class of Trade field. | PASS/FAIL |  |
| 8 | Go through each page of the web site. | 1. User page is visible to “Emprint Ablation Visualization Application” Technical Support user, and ‘CREATE NEW USER’ button on ‘Users’ page is clickable. | PASS/FAIL |  |
| 2. Device/Report/ SW /HW /Document /Configuration pages are visible to “Emprint Ablation Visualization Application” Technical Support user. | PASS/FAIL |  |
| 9 | Log out Web UI with Technical Support user. | User log out and it goes back to login screen. | PASS/FAIL |  |
| 10 | Click the link of “Forgot Password” on login screen. | It goes to “Reset your Password” page. | PASS/FAIL |  |
| 11 | Enter following fields:  Username (email address): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (This will be captured during execution.)  Enter Security Code: [Enter the random dynamic code on the screen]  Then click ‘Submit’ button once it is activated. | It goes to login screen. | PASS/FAIL |  |
| 12 | Go back to “Emprint Ablation Visualization Application” Technical Support user email address to check received email. | 1. There is an email for “Forgot Password Reset” in email inbox. | PASS/FAIL |  |
| 2. The email contains a link to reset password. | PASS/FAIL |  |
| 13 | Click the link for resetting password in the email to go to “Reset your Password” page and then enter the following fields:  New Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Confirm Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Then click ‘Submit’ button. | It goes to login screen. | PASS/FAIL |  |
| 14 | Login Web UI with the “Emprint Ablation Visualization Application” Technical Support user with the new password. | 1. It goes to home page with “Emprint Ablation Visualization Application” in Class of Trade field. | PASS/FAIL |  |
| 2. Only “Emprint Ablation Visualization Application” exists in Class of Trade field. | PASS/FAIL |  |
| 15 | Log out Web UI by Technical Support user. | User logout successfully and it goes to login page. | PASS/FAIL |  |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | |
| **Tester Signature:** | | **Test Execution Date:** | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Procedure –** **CreateCoTAdminUserTestProcedure** | | | | | | | | | | |
| **Test Purpose:**  1. To verify the CoT admin user can be created successfully by Technical Support user.  2. To verify the CoT admin user can subscribe alert email and have correct access in Web UI based on assigned CoT Admin role.  **Pre-condition:**  1. Technical Support user has been created in section 2.2.1 Test Preparation.  2. Site admin has enabled following Alert Event:  Upgrade Attempt: Successful  Upgrade Attempt: Device Failed to Apply Upgrade  3. Login the Emprint Planning Laptop with Admin Credentials: Username – **Administrator**, Password – **CovAdm1n!** | | | | | | | | | | |
| **Step#** | | | **Test Steps** | **Expected Result** | | | **Actual Result** | | | **Defect Id / Notes** |
| 1 | | | Login web UI as Technical Support user. (Refer to Pre-condition 1) | 1. It goes to home page with “Ablation” in Class of Trade field. | | | PASS/FAIL | | |  |
| 2. Only “Ablation” exists in Class of Trade field. | | | PASS/FAIL | | |  |
| 2 | | | Switch to “Users” page and then click ‘CREATE NEW USER’ button. | It goes to “Create New User” page. | | | PASS/FAIL | | |  |
| 3 | | | Enter following fields: Is the new user a Medtronic employee: **Yes** First name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Last name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Country: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Language: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Password: [Auto generated by system]  Click on the “Auto Generate” Password button |  | | | PASS/FAIL | | |  |
| 4 | | | Assign following permission to the user: Role: Ablation CoT admin and set it as default role  Device Access: Entitle to Install SW, Access Limited Release SW.  Click on theSAVE Button | The role and Device Access privilege set successfully for CoT admin user. | | | PASS/FAIL | | |  |
| 5 | | | Sign in user email address with created CoT admin user to check received email. | 1. There are two emails for “New User Register” in user email inbox. | | | PASS/FAIL | | |  |
| 2. One Email is providing the Gateway Web Server URL associated with the user’s Email Address as the user name. | | | PASS/FAIL | | |  |
| 3. Another Email has following information provided:  a. Link to reset password.  b. Inform user that can change password using the “Forgot Password” link on login screen. | | | PASS/FAIL | | |  |
| 6 | | | Click the link in e-mail:  Enter following fields in Web UI:  New Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Confirm Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Then click “Submit” button. | There is a message “Your password reset successfully”. | | | PASS/FAIL | | |  |
| 7 | | | Logout Web UI and then login with “Ablation” CoT admin user created above. | 1. It goes to home page with “Ablation” in Class of Trade field. | | | PASS/FAIL | | |  |
| 2. Only “Ablation” exists in Class of Trade field. | | | PASS/FAIL | | |  |
| 8 | | | Go through each page of the web site. | 1. Devices/Reports/User Management pages are visible to CoT admin user and user only has ‘view only’ permission to User Management page. | | | PASS/FAIL | | |  |
| 2. SW Catalog/HW Catalog/Document Catalog/Configuration Management pages are visible to CoT admin user and user has ‘View & Edit’ permission to these pages. | | | PASS/FAIL | | |  |
| 9 | | | Go to Alerts page to subscribe following Alert Event:  Upgrade Attempt: Successful  Upgrade Attempt: Device Failed to Apply Upgrade. | Alert are subscribed successfully. | | | PASS/FAIL | | | FAIL |
| 10 | | | Log out Web UI by CoT admin user. | User logout successfully and it goes to login page. | | | PASS/FAIL | | |  |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | | | | | | | |
| **Tester Signature:** | | | | | **Test Execution Date:** | | | | | |
| **Test Procedure –** **Create****BiomedUserTestProcedure** | | | | | | | | | | |
| **Test Purpose:**  To Verify that Biomed user (non-medtronic user) can be created by Ablation Technical Support user. This Biomed user is expected to have following assignment:   1. Assign ‘None’ installation privilege 2. With certified training record assigned for Emprint Client and Emprint Ablation Visualization Application.   **Pre-condition:**  1. Technical Support user has been created in section 2.2.1 Test Preparation.  2. Login the Emprint Planning Laptop with Admin Credentials: Username – **Administrator**, Password – **CovAdm1n!** | | | | | | | | | | |
| **Step#** | | | **Test Steps** | **Expected Result** | | **Actual Result** | | **Defect Id** | | |
| 1 | | | Login web UI as Ablation Technical Support user (Refer to Pre-condition 1) | 1. It goes to home page with “Ablation” in Class of Trade field. | | PASS/FAIL | |  | | |
| 2. Only “Ablation” exists in Class of Trade field. | | PASS/FAIL | |  | | |
| 2 | | | Switch to “Users” page and then click ‘CREATE NEW USER’ button. | It goes to “Create New User” page. | | PASS/FAIL | |  | | |
| 3 | | | Enter following fields: Is the new user a Medtronic employee: No  First name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Last name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Country: \_\_\_\_\_\_\_\_\_\_\_ Language: \_\_\_\_\_\_\_\_\_\_\_ Password: [press ‘Auto Generate’ button to generate a password]  Customer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (This will be captured during execution) |  | | PASS/FAIL | |  | | |
| 4 | | | Assign following permission to the user: Role: Ablation Biomed and set it as default role Device Access: none  Then click ‘SAVE’ button. | 1. The Ablation biomed user is created successfully. | | PASS/FAIL | |  | | |
| 2. It goes back to “Users” page. | | PASS/FAIL | |  | | |
| 5 | | | Click the name link of created Biomed user on “Users” page. | It goes to “View User ” page. | | PASS/FAIL | |  | | |
| 6 | | | Click 'EDIT' button. | It goes to 'Edit User' page. | | PASS/FAIL | |  | | |
| 7 | | | Add following training record: Class of Trade: Ablation Device type: *Emprint Ablation Visualization Application*  Trainer user ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Date of Training: (A date before current date) Status: Certified Then click 'SAVE' button. | The training record for Biomed user is added successfully. | | PASS/FAIL | |  | | |
| 8 | | | Sign in user email address with “Ablation” Biomed user to check received email. | 1. There are two emails for “New User Register” in user email inbox. | | PASS/FAIL | |  | | |
| 2. One Email is providing the Gateway Web Server URL associated with the user’s Email Address as the user name. | | PASS/FAIL | |  | | |
| 3. Another Email has following information provided:  a. Link to reset password.  b. Inform user that can change password using the “Forgot Password” link on login screen. | | PASS/FAIL | |  | | |
| 9 | | | Click the link in e-mail:  Enter following fields in Web UI:  New Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Confirm Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Then click “Submit” button. | There is a message “Your password reset successfully”. | | PASS/FAIL | |  | | |
| 10 | | | Logout Web UI and then login with “Ablation” Biomed user created above. | 1. It goes to home page with “Ablation” in Class of Trade field. | | PASS/FAIL | |  | | |
| 2. Only “Ablation” exists in Class of Trade field. | | PASS/FAIL | |  | | |
| 11 | | | Go through each page of the web site | 1. Only Report page and Device page are visible to Biomed user. | | PASS/FAIL | |  | | |
| 2. Biomed user has no permission to User Management, Hardware Catalog, Software Catalog, Document Catalog and Configuration Management page. | | PASS/FAIL | |  | | |
| 12 | | | Log out Web UI by Biomed user. | User logout successfully and it goes to login page. | | PASS/FAIL | |  | | |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | | | | | | | |
| **Tester Signature:** | | | | | **Test Execution Date:** | | | | | |
| **Test Procedure –** **CreateFieldServiceUserTestProcedure** | | | | | | | | | | |
| **Test Purpose:**  To verify that Field Service user can be created by Ablation Technical Support user. This Field Service User is expected to have following assignment:   1. Assign with “Entitle ti Install SW” Device Access 2. With certified training record assigned for Ablation Device Types ( Emprint Ablation Visualization Application) 3. Have following Email Notification subscribed: Device update/ Fail to upgrade device/ Change Password   **Pre-condition:**   1. Technical Support user has been created in section 2.2.1 Test Preparation. 2. Site admin has enabled following Alert Event:   Upgrade Attempt: Successful  Upgrade Attempt: Device Failed to Apply Upgrade   1. Login the Emprint Planning Laptop with Admin Credentials: Username – **Administrator**, Password – **CovAdm1n!** | | | | | | | | | | |
| **Step#** | **Test Steps** | | | **Expected Result** | | **Actual Result** | | **Defect Id** | | |
| 1 | Login web UI as Ablation Technical Support user. (Refer to pre-condition 1)  ***Path : https://rssqa.covidien.com*** | | | 1. It goes to home page with “Ablation” in Class of Trade field. | | PASS/FAIL | |  | | |
| 2. Only “Ablation” exists in Class of Trade field. | | PASS/FAIL | |  | | |
| 2 | Switch to Admin – “User Management” page and then click ‘Add New’ button. | | | It goes to “Add a New User” page. | | PASS/FAIL | |  | | |
| 3 | Enter following fields:  Is the new user a Covidien employee: Yes  First name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This can be captured during execution)  Last name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This can be captured during execution)  Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Country: \_\_\_\_\_\_\_\_\_\_\_  Language: \_\_\_\_\_\_\_\_\_\_\_  Password: [press ‘Auto Generate’ button to generate a password]  Business Unit: Surgical Solutions  Then click Next button. | | | It goes to “Add Roles and User Permissions” page. | | PASS/FAIL | |  | | |
| 4 | Assign following permission to the user: Field Service Role for Ablation and set it as default role  Device Access: All production versions   Then click ‘Create New User’ button. | | | 1. The Ablation Field Service user is created successfully. | | PASS/FAIL | |  | | |
| 2. It goes to “Users” page. | | PASS/FAIL | |  | | |
| 5 | Click the name link of created Field Service user on “Users” page. | | | It goes to “Edit User Information” page. | | PASS/FAIL | |  | | |
| 6 | Click 'Training Records' button. | | | It goes to 'Manage Training Records' page. | | PASS/FAIL | |  | | |
| 7 | Click ‘Add Training Record’ button and enter following fields in the pop-up windows:  Class of Trade: Ablation  Device type: *Emprint Ablation Visualization Application*   Trainer user ID: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This](mailto:ebd.admin@covidien.com) will be captured during execution)  Date of Training: (A date before current date) Status: Certified  Then click 'Add record' button. | | | The training record for Field Service user is added successfully. | | PASS/FAIL | |  | | |
| 8 | Sign in user email address with “Ablation” Field Service user to check received email. | | | 1. There are two emails for “New User Register” in the Field Service user email inbox. | | PASS/FAIL | |  | | |
| 2. One Email is providing the Gateway Web Server URL associated with the user’s Email Address as the user name. | | PASS/FAIL | |  | | |
| 3. Another Email has following information provided:  a. Link to reset password.  b. Inform user that can change password using the “Forgot Password” link on login screen. | | PASS/FAIL | |  | | |
| 9 | Click the link in e-mail:  Enter following fields in Web UI:  New Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Confirm Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Then click “Submit” button. | | | There is a message “Your password reset successfully”. | | PASS/FAIL | |  | | |
| 10 | Logout Web UI and then login Web UI with “Ablation” Field Service user created above | | | 1. It goes to home page with “Ablation” in Class of Trade field. | | PASS/FAIL | |  | | |
| 2. Only “Ablation” exists in Class of Trade field. | | PASS/FAIL | |  | | |
| 11 | Go through each page of the web site. | | | 1. Device/ Reports pages are visible to “Ablation” Field Service user. | | PASS/FAIL | |  | | |
| 2. User Management/HW Catalog/ SW Catalog/ Document Catalog/Configuration Management pages are not visible to “Ablation” Field Service user. | | PASS/FAIL | |  | | |
| 11 | Go to Alerts page to subscribe following Alert Event:  Upgrade Attempt: Successful  Upgrade Attempt: Device Failed to Apply Upgrade | | | The Alerts are subscribed successfully. | | PASS/FAIL | |  | | |
| 12 | Log out Web UI by Field Service user. | | | User logout successfully and it goes to login page. | | PASS/FAIL | |  | | |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | | | | | | | |
| **Tester Signature:** | | | | | **Test Execution Date:** | | | | | |
|  | | | | | | | | | | |
|  | | | | | | | | | | |
| **Test Procedure –** **Create****DevelopmentMgrUserTestProcedure** | | | | | | | | | | |
| **Test Purpose:**  1. To Verify that Development Mgr user can be created by Technical Support user in Web UI. The Development Mgr user is expected to have following assignment:   1. Assign “Entitle to Install SW, Access Limited Release SW” Device Access privilege for Ablation Device types ( Emprint Ablation Visualization Application ) 2. Assign Certified training record for Ablation Device Types (Emprint Ablation Visualization Application)   **Pre-condition:** 1. Technical Support user has been created in section 2.2.1 Test Preparation.  2. Login the Emprint Planning Laptop with Admin Credentials: Username – **Administrator**, Password – **CovAdm1n!** | | | | | | | | | | |
| **Step#** | | **Test Steps** | | **Expected Result** | | **Actual Result** | | | **Defect Id** | |
| 1 | | Login web UI as Ablation Technical Support user. (Refer to Pre-condition 1) | | 1. It goes to home page with “Ablation” in Class of Trade field. | | PASS/FAIL | | |  | |
| 2. Only “Ablation” exists in Class of Trade field. | | PASS/FAIL | | |  | |
| 2 | | Switch to “Users” page and then click ‘CREATE NEW USER’ button. | | It goes to “Create New User” page. | | PASS/FAIL | | |  | |
| 3 | | Enter following fields:  Is the new user a Medtronic employee: Yes  First name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Last name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Country: \_\_\_\_\_\_\_\_\_\_\_  Language: \_\_\_\_\_\_\_\_\_\_\_  Password: [press ‘Auto Generate’ button to generate a password] | |  | | PASS/FAIL | | |  | |
| 4 | | Assign following permission to the user: Development Mgr Role for Emprint Ablation Visualization Application and set it as default role Device Access: Entitle to Install SW, Access Limited Release SW Then click ‘SAVE’ button | | 1. The Ablation Development Mgr user is created successfully. | | PASS/FAIL | | |  | |
| 2. It goes to “Users” page. | | PASS/FAIL | | |  | |
| 5 | | Click the name link of Development Mgr user on “Users” page. | | It goes to “View User ” page. | | PASS/FAIL | | |  | |
| 6 | | Click 'EDIT' button. | | It goes to 'Edit User' page. | | PASS/FAIL | | |  | |
| 7 | | Add following training record: Class of Trade: Ablation Device type: *Emprint Ablation Visualization Application* Trainer user ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (This will be captured during execution)  Date of Training: (A date before current date)  Status: Certified  Then click 'SAVE' button. | | The training record for Development Mgr user is added successfully. | | PASS/FAIL | | |  | |
| 8 | | Sign in user email address with “Ablation” Development Mgr user to check received email. | | 1. There are two emails for “New User Register” in user email box. | | PASS/FAIL | | |  | |
| 2. One Email is providing the Gateway Web Server URL associated with the user’s Email Address as the user name. | | PASS/FAIL | | |  | |
| 3. Another Email has following information provided:  a. Link to reset password.  b. Inform user that can change password using the “Forgot Password” link on login screen. | | PASS/FAIL | | |  | |
| 9 | | Click the link in e-mail:  Enter following fields in Web UI:  New Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Confirm Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Then click “Submit” button. | | There is a message “Your password reset successfully”. | | PASS/FAIL | | |  | |
| 10 | | Logout Web UI and then login Web UI with “Ablation” Development Mgr user created above. | | 1. It goes to home page with “Ablation” in Class of Trade field. | | PASS/FAIL | | |  | |
| 2. Only “Ablation” exists in Class of Trade field. | | PASS/FAIL | | |  | |
| 11 | | Go through each page of the web site | | 1. Device/ reports pages are visible to “Ablation” Development Mgr user. | | PASS/FAIL | | |  | |
| 2. User Management/ Hardware catalog / Software catalog/ Document Catalog/ Configuration Management pages are visible to “Ablation” Development Mgr user and user only has ’view only’ permission to these pages. | | PASS/FAIL | | |  | |
| 12 | | Log out Web UI by Development Mgr user. | | User logout successfully and it goes to login page. | | PASS/FAIL | | |  | |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | | | | | | | |
| **Tester Signature:** | | | | | **Test Execution Date:** | | | | | |

### Emprint Ablation Visualization Application

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Procedure –** **CatalogManageFor\_Emprint\_Procedure\_Planning\_Application\_TestProcedure** | | | | | | | | | | | | |
| **Test Purpose:**  To Verify Hardware, Software, Named Configuration and document for Emprint Ablation Visualization Application can be created in Web UI successfully by Ablation CoT Admin user.    **Pre-condition:** 1. CoT Admin user for Ablation Class of Trade has been created in [CreateCoTAdminUserTestProcedure] test procedure  2. Login the Emprint Ablation Visualization Laptop with Admin Credentials: Username – **Administrator**, Password – **CovAdm1n!** | | | | | | | | | | | | |
| **Step#** | | **Test Steps** | | **Expected Result** | | | | | **Actual Result** | | | **Defect Id** |
| 1 | | Login web UI as Ablation CoT Admin user (Refer to Pre-condition 1) | | 1. It goes to home page with selection option to choose “Ablation” in Class of Trade field. | | | | | PASS/FAIL | | |  |
| 2. After selecting the Class of Trade the home page should load with corresponding Class of Trade details | | | | | PASS/FAIL | | |  |
| 2 | | Switch to “Hardware” page and click 'CREATE NEW HARDWARE' button. | | It goes to “Create New Hardware” page | | | | | PASS/FAIL | | |  |
| 3 | | Enter following fields: Device type: Emprint Ablation Visualization Application Hardware name: EMPRINT\_HW Part #:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Revision: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Hardware Type: \_\_*Mother Board*\_\_ Then click ‘SAVE’ button | | The hardware for Emprint Ablation Visualization Application device is created successfully. | | | | | PASS/FAIL | | |  |
| 4 | | Switch to “Configuration” page and click ‘CREATE NEW CONFIG’ button.  Device Type: Emprint Ablation Visualization Application  Name: \_\_\_\_\_\_\_\_\_\_\_  Description: *Emprint Device*  Configuration Status: *In production*  Click button: *MAKE HARDWARE CONFIG*  Select the above created Hardware “*Emprint\_HW*” and “*6800*” from Hardware Items  Then click ‘SAVE’ button | | The Named Hardware configuration is created successfully | | | | | PASS/FAIL | | |  |
| 5 | | Switch to “Software” page and click 'CREATE NEW SOFTWARE' button. | | It goes to “Create New Software” page. | | | | | PASS/FAIL | | |  |
| 6 | | Enter following fields:  Device type: *Emprint Ablation Visualization Application* Software name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Software Part #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Software Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Software Language: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Software Type: *Software Bundle*  Software Status: *In production* Software package:\_\_\_\_\_\_  Comparison Order: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Then click ‘**SAVE’** button | | Software of Emprint Ablation Visualization Application device is created successfully. | | | | | PASS/FAIL | | |  |
|  | | Switch to “Features” page and click 'CREATE NEW FEATURE' button. | | It goes to “Create New Feature” page. | | | | | PASS/FAIL | | |  |
|  | | Switch to “Configuration” page and click ‘CREATE NEW CONFIGURATION’ button.  Device Type: *Emprint Ablation Visualization Application*  Configuration Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Configuration Description: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Configuration Status: *In production*  Click Button: *MAKE FEATURE CONFIG*  Select the above created Feature to “Feature items”  Then click ‘SAVE’ button | | 1. The Named Software configuration is created successfully | | | | | PASS/FAIL | | |  |
| 7 | | Repeat the step 5 and step 6 to create other software bundles (v\_\_\_\_\_\_\_\_\_, v\_\_\_\_\_\_\_\_\_\_) | | The software bundles of Emprint Ablation Visualization Application devices are created successfully. | | | | | PASS/FAIL | | |  |
| 8 | | Check the software 'Available' field. | | The values of 'Available' field is 'Yes' for all new created software | | | | | PASS/FAIL | | |  |
| 9 | | Click the software ‘\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_’ link to go to “View Software” page, and then click 'EDIT' button. | | It goes to “Edit Software” page. | | | | | PASS/FAIL | | |  |
| 10 | | Add following country exclusion:  Country: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Then click 'SAVE' button. | | The country exception for software is added successfully. | | | | | PASS/FAIL | | |  |
| 11 | | Switch to “Configuration” page and click ‘CREATE NEW CONFIGURATION’ button.  Device Type: *Emprint Ablation Visualization Application*  Configuration Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Configuration Description: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Configuration Status: *In production*  Click Button: *MAKE SOFTWARE CONFIG*  Select the above created Software bundle to “Software items”  Then click ‘SAVE’ button  (Make sure that each Named Software configuration can only contain one software bundle for Emprint Ablation Visualization Application.) | | 1. The Named Software configuration is created successfully  2. The Country Exclusion of the device country is displayed correctly set above. | | | | | PASS/FAIL | | |  |
| 12 | | Switch to “Configuration” page and click ‘CREATE NEW CONFIG’ button.  Device Type: *Emprint Ablation Visualization Application*  Configuration Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Configuration Description: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Configuration Status: *In production*  Click Button: *MAKE SYSTEM CONFIG*  Select the above created Hardware configuration, Software configuration  Then click ‘SAVE’ button | | 1. The Named system configuration is created successfully  2. The Regulatory Exclusion of the device country is displayed correctly set above | | | | | PASS/FAIL | | |  |
| 13 | | Switch to “Document” page and click 'CREATE NEW DOCUMENT' button. | | It goes to “Create New Document ” page. | | | | | PASS/FAIL | | |  |
| 14 | | Enter following fields: Device type: *Emprint Ablation Visualization Application* Document title: \_\_\_\_\_\_\_\_\_\_\_\_ Part #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Document Type: *Service manual* Document file: \_\_\_\_\_\_\_\_\_\_ (A PDF file, which can be opened.) Language: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Select the software which created in step6 “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_” from “Software items”  Then click 'SAVE' button. | | The document is created successfully. | | | | | PASS/FAIL | | |  |
| 15 | | Log out Web UI by Ablation CoT Admin user. | | User logout successfully and it goes to login page. | | | | | PASS/FAIL | | |  |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | | | | | | | | | |
| **Tester Signature:** | | | | | | **Test Execution Date:** | | | | | | |
| **Test Procedure –** **DeviceManageFor\_Emprint\_Procedure\_Planning\_Application\_TestProcedure** | | | | | | | | | | | | |
| **Test Purpose:**   1. To verifyField Service user can change his password via Common Client in connect mode. 2. To verify Field Service user can create device and upgrade software. 3. To verify CoT Admin user can receive subscribed Email Notification.   **Pre-conditions:**   1. The agent and Emprint CSP Service and Common Client has been installed in laptop, but there is no user who has logged in Common Client (No user profile exists in LoginFile.xml; if user info exists in this file, delete this file). 2. New Emprint Ablation Visualization Application device has never been registered in server and its configuration:   Hardware: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Software: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Serial number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record it during execution)   1. Field Service User has been created in [CreateFieldServiceUserTestProcedure] test procedure to create/upgrade device, change password and receive Email. 2. CoT Admin user has been created in [CreateCoTAdminUserTestProcedure] test procedure to check received Email. 3. Users in pre-condition 3 and 4 have subscribed all information alert events. 4. Login the Emprint Ablation Visualization Laptop with Admin Credentials: Username – **Administrator**, Password – **CovAdm1n!** | | | | | | | | | | | | |
| **Step#** | | | **Test Steps** | | **Expected Result** | | | | **Actual Result** | | | **Defect Id** |
| 1 | | | Go to agent cache folder to check the software packages before login Common Client. | | There is no package in Agent cache folder. | | | | PASS/FAIL | | |  |
| 2 | | | Launch Common client. | | 1. Common Client is opened and it goes to login screen. | | | | PASS/FAIL | | |  |
| 2. There are buttons “Forgot Password?” and “REQUEST ID” on the bottom of login screen. | | | | PASS/FAIL | | |  |
| 3 | | | Click the “Forgot Password” button on the login screen. | | On clicking the Forgot Password button it redirects to GDMP web UI Forgot Password page | | | | PASS/FAIL | | |  |
| 4 | | | Enter following fields:  User Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[Record the Field Service User Name](Refer to Pre-condition 1)  Current Password: [password in his email generated automatically]  New Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Confirm New Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_( This will be captured during execution)  Then click Submit button. | | There is a message to tell user that change password successfully. | | | | PASS/FAIL | | |  |
| 5 | | | Sign in user email address with Field Service user to check received email. | | There is an email for “Changed Password Info” indicating that user’s password has been changed successfully. | | | | PASS/FAIL | | |  |
| 6 | | | Login Common Client with Field Service user(Refer to Pre-condition 3) | | 1. Field Service user login Common Client successfully. | | | | PASS/FAIL | | |  |
| 2. "Preparation Settings" screen appears. | | | | PASS/FAIL | | |  |
| 7 | | | Select Country & "Emprint Ablation Visualization Application" device on Prep Screen and then click ‘Apply’ button. | | 1. It should be able to show the “Downloading Software Packages progress bar” & “Downloading Feature License Files” progress. | | | | PASS/FAIL | | |  |
| 2. After successful downloading of the Software packages and Feature licenses it should show “Preparation complete! Press Close button to close the preparation.”. Then Press Close button. | | | | PASS/FAIL | | |  |
| 3. It goes to Devices List page of Common Client | | | | PASS/FAIL | | |  |
| 4. Device Serial number is displayed in the Devices List page of Common Client. | | | | PASS/FAIL | | |  |
| 5. Emprint Ablation Visualization Application related packages are downloaded at first priority. | | | | PASS/FAIL | | |  |
| 8 | | | After launching the “Devices List” page it should display the list of connected devices | | Once the device is connected in the Common Client UI should display the status message like “Sync running configuration in progress... [2017-03-23 17:51:19]” to indicate the synchronization of the device running configuration.  Once completed it should display the status message as “Sync running configuration completed![2017-03-23 17:51:43]” | | | | PASS/FAIL | | |  |
|  | | | Click on “View Running Configuration” button | | It should display the running configuration of the device with the details like Type,Name,Part Number,Revision,SerialNumber | | | | PASS/FAIL | | |  |
|  | | | Click on “Retrieve Log” button | | It should display the status message like “Retrieve log in progress...[2017-03-23 17:57:58]” once after successfully retrieving the logs it should display the status message like “Retrieve log completed![2017-03-23 17:58:18]“ | | | | PASS/FAIL | | |  |
|  | | | Click on “View Saved Log” button | | It should show View Saved Log pop-up window with list of the retrieved logs.  It should also display the recently retrieved log in the list.  After selecting a log to view in the drop down, it should display the details like “Log Date, File Type, Content”…etc. Log file should be readable with pagination. | | | | PASS/FAIL | | |  |
|  | | | Click on “Schedule Log Retrieval” | | It should show the “Schedule Log Retrieval” pop-up with Device serial number.  To schedule the log retrieval select the Frequency to “Daily/Weekly/Monthly” and “Run Every” to “No of times it has to run” and Time to the date time in 24hr format and “Starting Date” to “schedule starting date”.  Click “CREATE SCHEDULE” button then the Status message should show like  “Schedule log retrieval completed![2017-03-23 18:10:04]” | | | | PASS/FAIL | | |  |
|  | | | Click on “Update Latest Software” button | | The status message looks like “Update device software package in progress...[2017-03-23 18:12:05]”and after sometime you should be able to view the “Emprint Ablation Visualization Application Setup” installer started.  Click on Next then it should show “EMPRINT™ SOFTWARE  END-USER LICENSE AGREEMENT”.  Scroll down and click on “I agree”.  Next it should display “Choose Install Location” window. Click on “Install” button. It should show the “Installing” window with progress bar. Once installation is finished it should show “Completing Emprint Ablation Visualization Application Setup” window. Click on “Finish” then it the status message should show like “Update device software package completed!...[2017-03-23 19:42:05]” | | | | PASS/FAIL | | |  |
| 9 | | | After Acquiring package progress finished, check the Software Update Screen | | Software Update button visible | | | | PASS/FAIL | | |  |
| 10 | | | Click on the Software Update on the screen. | | Selection list is shown on Software Upgrade screen ( if any multiple versions are available) and press Update button | | | | PASS/FAIL | | |  |
| 11 | | | Go to agent cache folder to check the software packages. | | 1. Related Emprint Ablation Visualization Application software packages are downloaded in cache folder. (Check the cacheindex.xml file with downloaded software listed.) | | | | PASS/FAIL | | |  |
| 12 | | | Go back to Emprint Ablation Visualization Application Remote screen and then select \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ software from available software list to upgrade. | | The selected software package has been decrypted and extracted in Agent‘s Cache folder automatically.  Success of software update message prompts in Emprint Ablation Visualization Application Remote Screen. | | | | PASS/FAIL | | |  |
| 13 | | | Go to agent cache folder to check the software packages. | | The decrypted software package was deleted. | | | | PASS/FAIL | | |  |
| 14 | | | Sign in user email address with “Ablation” CoT Admin user to check the received email. | | 1. There are three notification emails in the email box:  mail title: 'New device record created', ‘Upgrade Attempt: Successful’ and 'Device configuration updated' with correct user name and serial number. | | | | PASS/FAIL | | |  |
| 2. The ‘Device configuration update’ email includes Device Info (HW and SW components). | | | | PASS/FAIL | | |  |
| 15 | | | Sign in user email address with “Ablation” Field Service user to check received email. | | 1. There is an Alert email in the Field Service user email box: ‘Upgrade Attempt: Successful’ with correct user name and serial number. | | | | PASS/FAIL | | |  |
| 2. The ‘Upgrade Attempt: Successful’ email includes the new software information. | | | | PASS/FAIL | | |  |
| 16 | | | Login Web UI as “Ablation” Field Service user (Refer to Pre-Condition 1) | | 1. It goes to home page with “Ablation” in Class of Trade field. | | | | PASS/FAIL | | |  |
| 2. The Class of Trade field is only “Ablation” can be selected. | | | | PASS/FAIL | | |  |
| 17 | | | Click Device tab on top right of home page and then search device by serial number:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record the Serial Number during execution) | | Device is found. | | | | PASS/FAIL | | |  |
| 18 | | | Click the serial number link. | | 1. It goes to “Service History” page. | | | | PASS/FAIL | | |  |
| 2. All the service history list as below:  Log Retrieval  Device Connection  Upgrade – Pass  Device Discovery  Configuration Update | | | | PASS/FAIL | | |  |
| 19 | | | Click ‘Configuration’ tab to check the device configuration. | | The Emprint Ablation Visualization Application device configuration shows correctly with the updated configuration. | | | | PASS/FAIL | | |  |
| 20 | | | Click ‘Logs’ tab to check the uploaded log files. | | 1. All the device log and event log list correctly. | | | | PASS/FAIL | | |  |
| 2. Post-upgrade log lists correctly. | | | | PASS/FAIL | | |  |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | | | | | | | | | |
| **Tester Signature:** | | | | | | **Test Execution Date:** | | | | | | |
| **Test Procedure – CheckSoftwareDiscrepancyFor\_Emprint\_Procedure\_Planning\_Application\_TestProcedure** | | | | | | | | | | | | |
| **Test Purpose:**  To Verify COT Admin user should be notified if the device current software version is not match the version in server.  To Verify Device’s software version will replace the software information in the server.  **Pre-condition:**   1. Device configuration:   Serial number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record the serial number during execution)  Current software installed in device is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   1. Device information registered on server :   In server, Software in Emprint Ablation Visualization Application Software Package\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   1. All software within Emprint Ablation Visualization Application device have been downloaded into local cache 2. Field Service user has been created in [CreateFieldServiceUserTestProcedure] test procedure. 3. Emprint Ablation Visualization Application (Ablation) Admin user has been created in [CreateCoTAdminUserTestProcedure] 4. Login the Emprint Ablation Visualization Laptop with Admin Credentials: Username – **Administrator**, Password – **CovAdm1n!** | | | | | | | | | | | | |
| **Step#** | **Test Steps** | | | | **Expected Result** | | | | **Actual Result** | | | **Defect Id** |
| 1 | launch and login Common Client with Field Service user | | | | 1. Field Service user login Common Client successfully. | | | | PASS/FAIL | | |  |
| 2. "Preparation Settings" screen appears. | | | | PASS/FAIL | | |  |
| 2 | Check "Emprint Ablation Visualization Application" on "Preparation Settings" screen and then click ‘Apply’ button. | | | | 1. It goes to Emprint Ablation Visualization Application Remote Software System screen. | | | | PASS/FAIL | | |  |
| 2. Device Log file uploaded automatically. | | | | PASS/FAIL | | |  |
| 3 | After log file uploaded completely then expand the serial number link on the screen and then click “Software Update” label. | | | | 1. It goes to “Software Update” screen and Acquire Package progress displays. | | | | PASS/FAIL | | |  |
| 4 | Log out Common Client by pressing logout button. | | | | 1. User log out Common Client successfully. | | | | PASS/FAIL | | |  |
| 2. Common Client goes to login screen. | | | | PASS/FAIL | | |  |
| 5 | Login Web UI with Field Service user (Refer to Pre-condition 4) | | | | It goes to home page. | | | | PASS/FAIL | | |  |
| 6 | Switch to Devices page and then search the device by serial number: \_\_\_\_\_\_\_\_\_\_\_\_. | | | | Device is searched out. | | | | PASS/FAIL | | |  |
| 7 | Click the ‘Component Discrepancy List’ tab to check the software discrepancy record. | | | | The Component Discrepancy record for the Emprint Ablation Visualization Application device shows Expected Version as the version in Pre-condition 2 and Discrepancy Version as the version in Pre-condition 1. | | | | PASS/FAIL | | |  |
| 8 | Sign in user email address with Ablation Admin user to check the received email. | | | | There is a notification email in user email inbox:  Device configuration changed  with correct user name and device serial number. | | | | PASS/FAIL | | |  |
| 9 | Logout Web UI and then login as “Ablation” Field Service user | | | | 1. It goes to home page with “Ablation” in Class of Trade field. | | | | PASS/FAIL | | |  |
| 2. The Class of Trade field is only “Ablation” can be selected. | | | | PASS/FAIL | | |  |
| 10 | Switch to report page and select 'Component Discrepancy Report', enter following fields: Device type: Emprint Ablation Visualization Application  Customer name:  Device serial number: \_\_\_\_\_\_\_\_\_\_\_\_\_  Then click 'View Report' button. | | | | The Component Discrepancy record for the Emprint Ablation Visualization Application device shows Expected Version as the version in Pre-condition 2 and Discrepancy Version as the version in Pre-condition 1. | | | | PASS/FAIL | | |  |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | | | | | | | | | |
| **Tester Signature:** | | | | | | **Test Execution Date:** | | | | | | |
| **Test Procedure – ServerDownloadUploadStatusFor\_Emprint\_Procedure\_Planning\_Application\_TestProcedure** | | | | | | | | | | | | |
| **Test Purpose:**  To verify the Log Upload status can be viewed from Common Client.  To verify Download Status can be viewed from Common Client.  **Pre-condition:**  1. Device has not been registered in server  2. All software within Emprint Ablation Visualization Application device have been downloaded into local cache  3. CoT admin User has been created in [CreateCoTAdminUserTestProcedure]  4. Login the Emprint Ablation Visualization Laptop with Admin Credentials: Username – **Administrator**, Password – **CovAdm1n!** | | | | | | | | | | | | |
| **Step#** | **Test Steps** | | | | **Expected Result** | | **Actual Result** | | | **Defect Id** | | |
| 1 | Login Common Client with CoT admin User (Refer to Pre-condition 3) | | | | 1. CoT Admin User login Emprint Client successfully. 2. "Preparation Settings" screen appears. | | PASS/FAIL | | |  | | |
| 2 | Check "Emprint Ablation Visualization Application" on "Preparation Settings" screen and then click ‘Apply’ button. | | | | 1. It goes to Emprint Ablation Visualization Application Remote Software System screen.  2. Sync Running Configuration should start automatically. | | PASS/FAIL | | |  | | |
| 3 | Click on “Retrieve Log” button | | | | It should display the status message like “Retrieve log in progress...[2017-03-23 17:57:58]” once after successfully retrieving the logs it should display the status message like “Retrieve log completed![2017-03-23 17:58:18]“ | | PASS/FAIL | | |  | | |
| ~~4~~ | ~~Click Server link in the left panel of Common Client.~~ | | | | ~~Server Session Information screen displayed.~~ | | ~~PASS/FAIL~~ | | |  | | |
| 5 | Click on “Update Latest Software” button | | | | The status message looks like “Update device software package in progress...[2017-03-23 18:12:05]”and after sometime you should be able to view the “Emprint Ablation Visualization Application Setup” installer started.  Click on Next then it should show “EMPRINT™ SOFTWARE  END-USER LICENSE AGREEMENT”.  Scroll down and click on “I agree”.  Next it should display “Choose Install Location” window. Click on “Install” button. It should show the “Installing” window with progress bar. Once installation is finished it should show “Completing Emprint Ablation Visualization Application Setup” window. Click on “Finish” then it the status message should show like “Update device software package completed!...[2017-03-23 19:42:05]” | | PASS/FAIL | | |  | | |
| 6 | After Software update is finished, check the View Running Configuration | | | | Latest updated Software Details like version number, Part Number should be updated. | | PASS/FAIL | | |  | | |
| ~~7~~ | ~~Select “Emprint Ablation Visualization Application” device type and click Go button.~~ | | | | ~~“Download session details” will display with correct package download status.~~ | | ~~PASS/FAIL~~ | | |  | | |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | | | | | | | | | |
| **Tester Signature:** | | | | | | **Test Execution Date:** | | | | | | |
|  | | | | | | | | | | | | |
| **Test Procedure –** **DeviceManageDisconnectModeFor\_Emprint\_Procedure\_Planning\_Application\_TestProcedure** | | | | | | | | | | | | |
| **Test Purpose:**  To Verify that Field Service user can register a new device and then upgrade software in disconnect mode, and device info can be send to server after network is enabled.  **Pre-condition:**   1. The device is not registered in server:   Serial number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record the serial number during execution)  Current software installed in device is \_\_\_\_\_\_\_\_\_\_\_   1. All software for Emprint Ablation Visualization Application device has been downloaded into local cache folder. 2. Field Service user has been created in [CreateFieldServiceUserTestProcedure] test procedure. 3. Emprint Ablation Visualization Application (Ablation) admin user has been created in [CreateCoTAdminUserTestProcedure] test procedure. 4. Login the Emprint Planning Laptop with Admin Credentials: Username – **Administrator**, Password – **CovAdm1n!** | | | | | | | | | | | | |
| **Step#** | **Test Steps** | | | | **Expected Result** | | | **Actual Result** | | | **Defect Id** | |
| 1 | Disconnect the laptop network. | | | | The laptop network is not available. | | | PASS/FAIL | | |  | |
| 2 | Login Common Client with Field Service user | | | | 1. Field Service user login Common Client successfully. | | | PASS/FAIL | | |  | |
| 2. "Preparation Settings" screen appears. | | | PASS/FAIL | | |  | |
| 3 | Check "Emprint Ablation Visualization Application" on "Preparation Settings" screen and then click ‘Apply’ button. | | | | 1. It goes to Emprint Ablation Visualization Application Remote Software System screen. | | | PASS/FAIL | | |  | |
| 2. Device log file uploaded automatically | | | PASS/FAIL | | |  | |
| 4 | After log file uploaded completely then expand the serial number link on the screen and then click “Software Update” label | | | | 1. It goes to “Software Update” screen and Acquire Package progress displays. | | | PASS/FAIL | | |  | |
| 5 | Check Software update radio button on the screen. | | | | The available software versions in the selection list are shown on Software Upgrade screen. | | | PASS/FAIL | | |  | |
| 6 | Select \_\_\_\_\_\_\_\_\_\_\_ from available software list to upgrade software. | | | | Software installed completely message appears on Emprint Ablation Visualization Application Remote screen. | | | PASS/FAIL | | |  | |
| 7 | After software upgraded completely, and then log out Emprint Ablation Visualization Application Remote Screen by pressing logout button. | | | | User logout Emprint Ablation Visualization Application Remote Screen successfully and enters to login screen. | | | PASS/FAIL | | |  | |
| 8 | Enable laptop network and check the agent service. | | | | The agent service is running correctly. | | | PASS/FAIL | | |  | |
| 9 | After 10 min go to agent’s MailBox folder (C:\Program Files\Covidien\GDMPAgent\runtime\MailBox\encryptedLogs) folder to check the uploaded log files. | | | | The log files are stored in this folder. | | | PASS/FAIL | | |  | |
| 10 | Check the log files uploaded above storing in server (The server storage folder is C:/var/log/agent/laptop agent) | | | | The log files are stored in server. | | | PASS/FAIL | | |  | |
| 11 | Sign in user email address with “Ablation” Admin user to check the received email. | | | | 1. There are three notification emails in the admin user email inbox:  mail title: 'New device record created ‘,’Upgrade attempt: Successful’ and 'Device Configuration updated' with correct user name and serial number. | | | PASS/FAIL | | |  | |
| 2. The ‘Upgrade attempt: Successful’ email includes Device Info (HW and SW components). | | | PASS/FAIL | | |  | |
| 12 | Sign in user email address with “Ablation” Field Service user to check received email. | | | | 1. There is an Alert email in the Field Service user email box: ’Upgrade attempt: Successful’ with correct user name and serial number. | | | PASS/FAIL | | |  | |
| 2. The ’Upgrade attempt: Successful’ email includes the new software information. | | | PASS/FAIL | | |  | |
| 13 | Login Web UI as “Ablation” Admin user | | | | 1. It goes to home page with “Ablation” in Class of Trade field. | | | PASS/FAIL | | |  | |
| 2. The Class of Trade field is only “Ablation” can be selected. | | | PASS/FAIL | | |  | |
| 14 | Switch to Device page to search the device by serial number, and then check the device configuration and the Service History. | | | | 1. The software in device configuration displays correctly after software is upgraded. | | | PASS/FAIL | | |  | |
| 2. There is an 'Upgrade-Pass' service record display on the top of the list in Service history. | | | PASS/FAIL | | |  | |
| 3. Service History contains  Log retriever Device Connection  Device Discovery  Configuration Update. | | | PASS/FAIL | | |  | |
| 15 | Click the 'Upgrade-Pass' link. | | | | 1. Device configuration detail window popped up. | | | PASS/FAIL | | |  | |
| 2. Configuration before upgrade and after upgrade is correct. | | | PASS/FAIL | | |  | |
| *The blocks below are for test execution purpose only (left blank in Test Procedure document)* | | | | | | | | | | | | |
| **Tester Signature:** | | | | | | **Test Execution Date:** | | | | | | |
|  | | | | | | | | | | | | |

# Test Results

The test results for End to End testing of Emprint Ablation Visualization Application will be summarized in a separate test report document. That document details the execution sequence of test procedures, problems found, test configurations used, and other details. The End to End Test Report will be put into Agile and approved by the appropriate project stakeholders. It is the expectation that the completion of these tests will provide evidence that the system has been fully verified from real use case perspective.