**Medtronic HI&M**

**Research & Development**

**System End to End Test Procedures SCD 700**

**Gateway Device Management Portal**

**R0037808 Rev E**

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| Issue Date: Refer to Agile | | | Page 1 of 38 |
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| B | W0037854 | Updates for Gateway v2.0 | |
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| D | RC007785 | Updates test procedures per design change in GATEWAY-2707: Change Device Type to SCD 700 for SCDU update. | |
| E | RC084487 | Updates to align procedure with SCD700 controller HW/SW and SCDU 2.0 | |
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| Author(s) – Refer to Agile for approvals | | | |
| Laura Keith – Vascular Therapies | | | |
|  | | | |

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| --- |
| **Approvals -** Refer to Agile for approvals |
| Cliff Schorr – QA, PMR |
| Maureen Richard –Product Owner |
| Ashwini Pandey – MI Program Manager |
|  |

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# Introduction

This document is the End to End Test procedure for 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 requirements document for the SCD 700 Device Management Platform. The test is based on product users, their characteristics and use cases. The trace matrix between User Requirement Document (URD) [1] and test procedures is listed in 3.2 in this document.

## Reference Documents

1. VT ref: 058-034-MAN-13 Grand Robin RSS\_User\_Requirements\_Document
2. VT ref: 058-047-MAN-13\_Grand\_Robin\_Rework\_Procedure
3. VT ref: 058-068-MAN-13 Grand Robin Software Updater for Kendall SCD700 – Configurable Elements
4. R0030891 System Requirements Specification (SRS) Gateway
5. R0023257 SW Design Document Gateway
6. R0026601 System Architecture Document Gateway
7. R0049903 SW Development Plan Gateway
8. R0031481 Protocol\_Usability\_Gateway
9. R0030938 Use Case Diagrams Gateway
10. R0037810 Web UI User Guide
11. QD08330 AddUser WI

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

## Users / User Permissions

### SCD Updater (SCDU) Users/ User Characteristics

| Application Users | | |
| --- | --- | --- |
| *Title* | *Decision Authority* | *Role in Use Case* |
| Covidien Sales Representative | * Impacted Party | * Maintain hospital service agreements * Train hospital Biomeds * Updates Software |
| Covidien Application Support | * Impacted Party | * Aids in troubleshooting field issues with upgrades |
| Covidien Class of Trade Administrator | * Impacted Party | * Track & report controller hardware version software configuration statistics * Remote Service Application System administrator |
| Covidien Service Center Technicians and Managers | * Impacted Party | * Services medical equipment in the service center |
| Covidien System Administrators | * Impacted Party | * Configures Software download package distribution rules * Administers users and associated privileges. |
| DME | * Impacted Party | * Updates system |
| Biomedical Engineering Technician (Biomed) | * Impacted Party | * Installs, updates, and maintains system * Maintain/service medical equipment in the hospital * Accept equipment into institution |
| Customer Complaint Analyst and Quality Assurance | * Impacted | * Access to service record information |

### Gateway Roles and Permissions

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Role (Compression)** | Upgrade Devices | View Reports | User | Catalog Management | | | | In Testing Access  (Device Software) |
| Management | HW Catalog | SW Catalog | Document Catalog | Configuration Management |
| All/Latest/None | Yes/No | View/Edit/No | View/Edit/No | View/Edit/No | View/Edit/No | View/Edit/No | Yes/No |
| Application Support | All | Yes | View | View | View | View | View | No |
| Biomed | Latest | Yes | No | No | No | No | No | No |
| CoT Administrator | All | Yes | View | Edit | Edit | Edit | Edit | No |
| Marketing | All | Yes | View | No | No | No | No | No |
| Quality Assurance | All | Yes | No | View | View | View | View | Yes |
| R&D | All | Yes | View (All) | View (All) | View (All) | View (All) | View (All) | Yes |
| Edit (Test Systems) | Edit (Test Systems) | Edit (Test Systems) | Edit (Test Systems) | Edit (Test Systems) |
| Sales Representative | All | Yes | View | No | No | No | No | No |
| Service Center Technician or Manager | All | Yes | View | View | View | View | View | No |
| User Administrator | None | Yes | View&Edit | View | View | View | View | No |

\*Non-Covidien users can only see reports associated with their account

# Test Directions

The following instructions are for the testers who are executing these procedures.

## Recording Test Results

Refer to [7] SW Development Plan Gateway

## Redlines & Deviations

Deviations to how the test is run will be noted for all cases. Deviations that do not affect the intent of the test are allowed. Examples include typographical errors, skipping steps that are not required, or rewording the test when the implementation of the software has changed. In the electronic Test Results modules, the category of deviation is entered along with the description of the change. Deviations can also include steps that need to added, in order to complete the test procedure.

## Test Configurations

All Gateway server version 3.0 deliverables run on servers hosted by Terremark.

* Web server 01:

Hostname (IP Address):

CPU:

Memory:

Harddisk:

* Web server 02:

Hostname (IP Address):

CPU:

Memory:

Harddisk:

* Application server:

Hostname (IP Address):

CPU:

Memory:

Harddisk:

* Database server:

Hostname (IP Address):

CPU:

Memory:

Harddisk:

All Gateway agent version 3.0 deliverables run on Windows 7 64bit Platforms.

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

Note: The End to End testing will be performed on laptops. No testing will be performed on PC workstation but the test results with laptops are applicable to desktops since Gateway Agent and client application function depends on the Operating System and software environment.

* SCD 700 Controller 1

Module: Kendall SCD 700 Controller Hardware Revision 1

* SCD 700 Controller 2

Module: Kendall SCD 700 Controller Hardware Revision 0

Note: Controllers are production controllers which were manufactured by Shanghai Manufacturing Facility. Since production release, these controllers have not been disassembled. These controllers may have software modifications but all software modifications are recorded in device history tracker sheet. The software modifications associated with this testing will be recorded in the Appendix A tracker sheet. The resulting tracker sheet will be attached to the report.

### Software Configurations

All v3.0 Gateway servers run on Redhat (v6.2), and test server run on the same configuration.

* JDK – v1.6.0\_33
* Apache - v2.2.23
* Apache tomcat – v7.0.29
* PHP - v5.3.3
* Drupal – v6.26
* Mod SSL – v2.2.23
* MySQL - v5.1.52

All Gateway v3.0 agents run on Windows 7 64bit Operation System

* Internet Explorer 8.0

All Software Updater for Kendall SCD 700 Controller Updater (SCDU) deliverables will run on Windows 7 operating system 64 bit in this end to end testing.

SCD 700 Sequential Compression Controller Software (Device software):

* Version: 01.08.01 filename:raven\_01-08-01.bin
* Version: 01.11.02 filename:GrandRobin\_01-11-02.bin
* Version: 01.12.00 filename:raven\_01-12-00.bin
* Version: 02.01.00 filename:raven\_02-01-00.bin

SCDU configuration file

* SCDU configuration file 6.0
* SCDU configuration file 5.0

### Test Tools

Gateway Device Management Platform v3.0 end to end testing will be conducted using the following tools:

* Software updater for Kendall SCD 700 Controller(SCDU) ­version: 1.0.3
* Software updater for Kendall SCD 700 Controller(SCDU) ­version: 2.0.0

Note: All tests will be executed with SCDU v2.0.0 unless otherwise noted.

# Test Procedures

The end to end test procedures are created based on 6 roles within Gateway system.

* Site administrator
* User admin
* System administrator (Class of Trade administrator)
* Service Center Technician
* Biomedical Engineering Technician
* Quality Assurance Engineering

## Test Procedure Trace

Following is the trace matrix between User Requirement Document [1] and end to end test procedures:

| URD ID# | User Requirement | Test Procedure(s) |
| --- | --- | --- |
| URD 01 | The system shall provide a means for administrator to set new accounts when provided with signed  record of training from authorized trainer including sales representative | CreateCompressionBiomedUserTestProcedure  CreateCompressionServiceCenterTechnicianUsersTestProcedure  CheckCompressionCoTAdminUserTestProcedure  CheckGlobalUserAdminTestProcedure  CheckInfrastructureCoTAdminUserTestProcedure |
| URD 02 | The user profile for non-Covidien employees shall include user name, email address, facility account  number and country | CreateCompressionBiomedUserTestProcedure  CreateCompressionEmailSubscriberUserTestProcedure |
| URD 03 | The updater shall default to country associated with user profile. Covidien personnel will be allowed to modify country. | CreateCompressionServiceCenterTechnicianUsersTestProcedure  CreateCompressionBiomedUserTestProcedure  DeviceManageTestProcedureForSCD700  DownloadMissingSoftwareTestProcedureForSCD700  UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700 SoftwareDiscrepancyCheckTestProcedureForSCD700  AttemptToUpgradeSoftwareWithoutPrivilegeTestProcedureForSCD700  ModifiedUserPrivilegeAndUpgradeTestProcedureForSCD700  CrossDevicesAndLaptopTestProcedureForSCD700 |
| URD 04 | Evidence of training shall be stored in a secure and retrievable location. The training record shall include trainer name, training date, device type and for non-  Covidien users, account number. | CreateCompressionBiomedUserTestProcedure  CreateCompressionServiceCenterTechnicianUsersTestProcedure  CreateCompressionQAUserTestProcedure  CheckAgentAdminTestProcedure |
| URD 05 | The system shall provide a controlled means for users to download and install updated versions of  the back end agent when an initial version of back end agent already exists on the PC. | UpdateAgentTestProcedure  CreateAgentAndAgentRuleTestProcedure |
| URD 06 | The system shall provide a controlled means for users to download and install updated versions of the SCD updater application when an initial version of updater already exists on the PC. | CreateUpdaterAndClientRuleTestProcedure  UpdateSCD700UpdaterTestProcedure |
| URD 07 | The system shall provide the appropriate software releases based upon current device software and hardware version information | CatalogManageTestProcedureForSCD700  DeviceManageTestProcedureForSCD700 |
| URD 08 | The system shall allow administrative users to build the rules for controlling the behavior of the system with respect to determining which software  packages are allowed for specific device configuration, country, etc. | CreateUpdaterAndClientRuleTestProcedure  UpdateSCD700UpdaterTestProcedure  CatalogManageTestProcedureForSCD700  DeviceManageTestProcedureForSCD700  SoftwareDiscrepancyCheckTestProcedureForSCD700  DownloadMissingSoftwareTestProcedureForSCD700ModifiedUserPrivilegeAndUpgradeTestProcedureForSCD700  AttemptToUpgradeSoftwareWithoutPrivilegeTestProcedureForSCD700 |
| URD 09 | The system shall only provide software to devices in the countries for which regulatory approval has been received. | DownloadMissingSoftwareTestProcedureForSCD700  ModifiedUserPrivilegeAndUpgradeTestProcedureForSCD700 |
| URD 10 | The system shall allow for three levels of software installation privileges  Software installation not permitted  Upgrade to latest version only  Install any compatible software version | CreateCompressionServiceCenterTechnicianUsersTestProcedure  CreateCompressionBiomedUserTestProcedure  CreateCompressionQAUserTestProcedure  ModifiedUserPrivilegeAndUpgradeTestProcedureForSCD700 |
| URD 11 | The system shall support assigning software installation privileges to users | CreateCompressionServiceCenterTechnicianUsersTestProcedure  CreateCompressionBiomedUserTestProcedure  CreateCompressionQAUserTestProcedure  ModifiedUserPrivilegeAndUpgradeTestProcedureForSCD700 |
| URD 13 | The system shall be able to report the hardware and software revision information of the devices in the field that have had software upgrades/installations. | DeviceManageTestProcedureForSCD700  UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700 |
| URD 14 | The system shall compare the hw/sw rev info on file with the information on the device, and flag any  discrepancies to Covidien users. | SoftwareDiscrepancyCheckTestProcedureForSCD700 |
| URD 15 | The system shall allow administrators to filter discrepancy notifications information | SoftwareDiscrepancyCheckTestProcedureForSCD700 |
| URD 16 | The system shall allow Covidien users to flag hardware/software discrepancies between gateway and device hw/sw and accept the device hw/sw information | SoftwareDiscrepancyCheckTestProcedureForSCD700 |
| URD 17 | The SCD updater shall automatically pull device hardware and software configuration information from devices prior to software upgrade for storage in the system. | DeviceManageTestProcedureForSCD700 |
| URD 18 | The SCD updater shall automatically pull device hardware and software configuration information from devices after software upgrades for storage in the system. | DeviceManageTestProcedureForSCD700  UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700  ModifiedUserPrivilegeAndUpgradeTestProcedureForSCD700 |
| URD 19 | The system post upgrade information shall include device serial number, date of SW installation,  account number, pre-installation sw/hw configuration, post update sw/hw configuration, record of success or failure and username. | DeviceManageTestProcedureForSCD700  UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700  ModifiedUserPrivilegeAndUpgradeTestProcedureForSCD700  ConfigureDeviceAvailabilityTestProcedure |
| URD 20 | The updater shall notify user if software installation was successful or failed | DeviceManageTestProcedureForSCD700  UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700  CreateCompressionEmailSubscriberUserTestProcedure |
| URD 28 | The system shall track dependencies between hardware configuration and software versions | CatalogManageTestProcedureForSCD700 |
| URD 29 | The agent shall retrieve and store all current software revisions, rules for applying software  updates and application business rules | DeviceManageTestProcedureForSCD700  UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700  ModifiedUserPrivilegeAndUpgradeTestProcedureForSCD700  CheckAgentAdminTestProcedure  CreateAgentAndAgentRuleTestProcedure |
| URD 30 | The system shall allow users to install previously cached software without having previously entered serial numbers in disconnected preparation. | DownloadMissingSoftwareTestProcedureForSCD700 UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700 |
| URD 32 | The system shall store device software in encrypted file. Unencrypted software files shall be deleted immediately after use. | DeviceManageTestProcedureForSCD700  UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700 |
| URD 33 | The system shall provide Biomed users, sales representatives and other third party users with a means for retrieving manuals | CatalogManageTestProcedureForSCD700  DeviceManageTestProcedureForSCD700 |
| URD 34 | The system shall allow users the ability to upload cached information automatically when network connectivity is available | UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700 |
| URD 37 | The system shall provide Covidien users with Device configuration reports by device | DownloadMissingSoftwareTestProcedureForSCD700  DeviceManageTestProcedureForSCD700 |
| URD 49 | The system shall allow a single use to logged into multiple sessions of the SCD updater across multiple personal computers.  The SCD updater will allow only one session per personal computer. | CrossDevicesAndLaptopTestProcedureForSCD700  UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700  UpdateSCD700UpdaterTestProcedure |

## Test Procedure Detail

### Test Preparation

Following user should exist on Gateway test 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:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Ventilation: User Admin Infrastructure: User Admin  Vessel Sealing: Technical Support Compression: User Admin |
| Admin System3 | com.admin@covidien.com | Record Password:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Compression: CoT Admin |
| Admin System4 | [inf.admin@covidien.com](mailto:inf.admin@covidien.com) | Record Password:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Infrastructure: CoT Admin |

### Gateway Related

| **Test Procedure** | **Description** | **#** | **Steps** | | **Expected Result** | **Actual Result** | **Defect Id** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ConfigureDeviceAvailabilityTestProcedure | User scenario: The system is just set up and site admin shall configure device availability for further service | 1 | Log in Web UI as site admin with following credential:  Account: admin  Password: admin123 | | It enters to home screen | PASS/FAIL |  |
| 2 | Click Content management -- Content -- List from the top menu | | The content page display | PASS/FAIL |  |
| 3 | Select radio button as 'type' and the second drop down list as 'Device Type' in 'show only items where' section and click Filter button | | The list of system device types shows | PASS/FAIL |  |
| 4 | Click 'edit' link of SCD700 device type | | It goes to edit SCD700 device type page | PASS/FAIL |  |
| 5 | Check the default selection of 'Max Download Level' Combo Box | | The 'All production versions' is selected from 'Max Download Level' selection | PASS/FAIL |  |
| 6 | Back to device types list page and Click 'edit' link of Administrative\_agent device type | | It goes to edit Administrative\_agent device type page | PASS/FAIL |  |
| 7 | Check the default selection of 'Max Download Level' Combo Box | | The 'All production versions' is selected from 'Max Download Level' selection | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | |
| CheckGlobalUserAdminTestProcedure | Pre-condition: 1. The current available product lines are:  Ventilation Compression Infrastructure Vessel Sealing  User scenario:  1. Global user admin has been created, so check if he is user admin for all class of trade | 1 | Login web UI as site admin with following credentials:  Account: admin  Password: admin123 | | It enters to home screen | PASS/FAIL |  |
| 2 | Click admin link | | It goes to user management page | PASS/FAIL |  |
| 3 | Search the global user admin by name 'Admin Global' | | The user is searched out | PASS/FAIL |  |
| 4 | Click the global user admin name | | It goes to edit user page | PASS/FAIL |  |
| 5 | Check following fields:  First name: Admin   Last name: Global  Email address:global.admin@covidien.com  Language: English  Business Unit: Surgical Solutions  Country: United States | | All fields are entered correctly | PASS/FAIL |  |
| 6 | Click 'Manage Access' button to go to edit user role and permission page, and then check following fields:  User admin role for Ventilation and set it as default  User admin role for Compression   User admin role for Infrastructure   User admin role for Vessel Sealing   Device Access for all device type are 'None' | | The global user admin role and Device Access is correct | PASS/FAIL |  |
| 7 | Login web UI as the global admin user. (“Admin Global” user) | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression , infrastructure and Vessel Sealing | PASS/FAIL |  |
| 8 | Go through each page of web site | | 1. Report and device page can be viewed | PASS/FAIL |  |
| 2.Catalog pages are viewed only to global admin user | PASS/FAIL |  |
| 3.User management page is viewed and Editable to global admin user | PASS/FAIL |  |
| 9 | Switch the options in the 'Class of trade' field | | The user management page refreshes according to the class of trade | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | |
| CheckCompressionCoTAdminUserTestProcedure | Use scenario:  Compression CoT admin user has been created, and then checks its role and privilege | 1 | Login web UI as “Admin Global” user. | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field as default | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure and Vessel Sealing | PASS/FAIL |  |
| 2 | Switch to Admin - Users page, change the class of trade to 'Compression' and then search the compression CoT admin by name 'Admin System3' | | The compression CoT admin is searched out | PASS/FAIL |  |
| 3 | Click the compression CoT admin name link | | It goes to edit user page | PASS/FAIL |  |
| 4 | Check following fields:  First name: Admin  Last name: System3  Email: com.admin@covidien.com   Country: United States  Language: English  Business Unit: Vascular Therapies | | All fields are entered correctly | PASS/FAIL |  |
| 5 | Click 'Manage Access' button to check permission of the user:  Role: Compression CoT admin  Device Access: All Production versions | | The compression CoT admin role and Device Access are correct | PASS/FAIL |  |
| 6 | Click 'Device Type Privileges' tab to check device type privilege:  Device Type: SCD700  Privilege: Trainer  Authorized: Yes | | The device type privilege of compression CoT admin is correct | PASS/FAIL |  |
| 7 | Login web UI as Compression CoT admin user. (“Admin System3” user) | | 1. It enters to home page with 'Compression' in Class of Trade field | PASS/FAIL |  |
| 2. Only 'Compression' exists in the Class of Trade field | PASS/FAIL |  |
| 8 | Go through each page of the web site | | 1.User management page is viewed only to compression CoT admin | PASS/FAIL |  |
| 2.Catalog pages can be viewed and edited | PASS/FAIL |  |
| 3.Report and device page can be viewed | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | |
| CheckInfrastructureCoTAdminUserTestProcedure | User scenario:   Infrastructure CoT admin has been created, so check its role and privilege | 1 | Login web UI as “Admin Global” user. | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field as default | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure and Vessel Sealing | PASS/FAIL |  |
| 2 | Switch to Admin - Users page, change the class of trade to 'Infrastructure' and then search the Infrastructure CoT admin by name 'Admin System4' | | The infrastructure CoT admin user is searched out | PASS/FAIL |  |
| 3 | Click the infrastructure CoT admin name link | | It goes to edit user page | PASS/FAIL |  |
| 4 | Check following fields:   First name: Admin  Last name: System4  Email: inf.admin@covidien.com   Country: United States  Language: English  Business Unit: Administrative | | All fields are entered correctly | PASS/FAIL |  |
| 5 | Click 'Manage Access' button to check following permission of the user:  Role: infrastructure CoT admin  Device Access: All Production versions | | The infrastructure CoT admin role and Device Access is correct | PASS/FAIL |  |
| 6 | Click 'Device Type Privileges' tab to check device type privileges:   Device Type: Administrative\_Agent  Privilege: Trainer  Authorized: Yes | | The device type privilege of infrastructure CoT admin is correct | PASS/FAIL |  |
| 7 | Login web UI as Infrastructure CoT admin user. (“Admin System4”user) | | 1. It enters to home page with 'Infrastructure' in Class of Trade field | PASS/FAIL |  |
| 2. Only 'Infrastructure' exists in the Class of Trade field | PASS/FAIL |  |
| 8 | Go through each page of the web site | | 1. Report and device page can be viewed | PASS/FAIL |  |
| 2.Catalog pages can be viewed and edited | PASS/FAIL |  |
| 3. User management page is viewed only to Infrastructure CoT admin | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | |
| CheckAgentAdminTestProcedure | User scenario:  1. The agent admin has been created for downloading new version agent, so check its role and privilege 2. The agent admin is default 'CoT admin' role for all class of trade, with training records for all device types and "All Production Versions" device access for all device type | 1 | Login web UI as “Admin Global” user. | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field as default | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure and Vessel Sealing | PASS/FAIL |  |
| 2 | Switch to Admin - Users management page to search the agent admin user by name 'agent admin' | | The agent admin is searched out | PASS/FAIL |  |
| 3 | Click the agent admin name | | It goes to edit user page | PASS/FAIL |  |
| 4 | Check following fields:   First name: agent  Last name: admin  Email: GWagent.admin@covidien.com   Country: United States  Language: English  Business Unit: Administrative | | All fields are entered correctly | PASS/FAIL |  |
| 5 | Click 'Manage Access' button to check following permission of the user:   Role: CoT admin for each class of trade and Infrastructure is the default role  Device Access: ' All production versions' for each device type | | The agent admin role and Device Access are correct | PASS/FAIL |  |
| 6 | Go back to edit agent admin page and click 'Training Records' button | | It goes to 'Manage Training Records' page | PASS/FAIL |  |
| 7 | Check the agent admin training records:  Class of Trade: Compression  Device type: SCD700  Trainer user ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record this during execution)   Date of Training: (A date before current date)  Status: Certified  Class of Trade: Compression   Status: Certified  Class of Trade: Ventilation  Device type: PB980\_Ventilator  Trainer user ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record this during execution)   Date of Training: (A date before current date)  Status: Certified  Class of Trade: Ventilation  Device type: VTS Client  Trainer user ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record this during execution)   Date of Training: (A date before current date)  Status: Certified  Class of Trade: Vessel Sealing  Device type: VLLS10  Trainer user ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record this during execution)   Date of Training: (A date before current date)  Status: Certified  Class of Trade: Vessel Sealing  Device type: VLEX Client  Trainer user ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record this during execution)   Date of Training: (A date before current date)  Status: Certified  Class of Trade: Infrastructure   Device type: Administrative\_Agent  Trainer user ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record this during execution)   Date of Training: (A date before current date)  Status: Certified | | The training records of agent admin are added correctly | PASS/FAIL |  |
| 8 | Login with web UI as agent admin user:   Email: GWagent.admin@covidien.com   Password: GWadmin@123 | | 1. It goes to home screen with 'Infrastructure' in Class of Trade field. | PASS/FAIL |  |
| 2. The other options of '‘Class of Trade'’ field are: Compression, Ventilation and Vessel Sealing | PASS/FAIL |  |
| 9 | Go through each page with different Classes of Trades | | 1. User management page is viewed only to agent admin in all class of trades  2. Report and device page can be viewed  3. Catalog pages can be viewed and edited | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | |
| CreateAgentAndAgentRuleTestProcedure | User scenario: Infrastructure CoT admin creates agent software and agent rule file in web UI | 1 | Login web UI as Infrastructure admin (“Admin System4” user) | | 1. It enters to home page with 'Infrastructure' in Class of Trade field | PASS/FAIL |  |
| 2. Only 'Infrastructure' exists in the class of trade field | PASS/FAIL |  |
| 2 | Switch to Admin - Hardware catalog page and search hardware by device Type 'Administrative\_Agent' | | The hardware of agent would be searched out and the hardware name is 'WINTEL' | PASS/FAIL |  |
| 3 | Click the hardware name link | | It goes to edit hardware page | PASS/FAIL |  |
| 4 | Check the following fields of the hardware: Device Type: Administrative\_Agent  Hardware name: WINTEL Part #: ABC  Revision: 1.0 Hardware Type: Motherboard | | The hardware information is correct | PASS/FAIL |  |
| 5 | Switch to Admin - Software catalog page and click 'Add new software' button | | It goes to create new software page | PASS/FAIL |  |
| 6 | Enter following fields: Device Type: Administrative\_Agent  Software name: Agent Part #: part123 Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Software Language: English Software Description: Agent software  Software Type: Software  Software Status: In production Software package: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Comparison Order: :\_\_\_\_\_\_(This will be captured during execution)  Associate it with the agent hardware 'WINTEL' and then click 'Add New Software’ button | | The current version agent is created successfully | PASS/FAIL |  |
| 7 | Switch to Software catalog page and click 'Add new software' button to create a new version agent Device Type: Administrative\_Agent  Software name: Agent Part #: part123 Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  (Fake Agent version for testing upgrade function) Software Language: English Software Description: Agent software  Software Type: Software  Software Status: In production Software package: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Comparison Order:\_\_\_\_\_\_(This will be captured during execution)  Associate it with the agent hardware 'WINTEL' and then click 'Add New Software’ button | | The new version agent is created successfully | PASS/FAIL |  |
| 8 | Wait for some time (in 5 minutes ) and then check the 'Available' field of the software created above | | The values of 'Available' field changes from 'No' to 'Yes' for Agent software created above | PASS/FAIL |  |
| 9 | Follow 5- 6 to create the agent rule Device Type: Administrative\_Agent  Software name: Agent Rule Part #: part123 Version: 1.0 Software Language: English  Software Description: Agent Rule  Software Type: Business rules Software Status: In production Software package: (An agent rule file)  Comparison Order:\_\_\_\_\_\_(This will be captured during execution) Associate it with the agent hardware 'WINTEL' and then click 'Add New Software’ button | | The agent rule is created successfully | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | |
| UpdateAgentTestProcedure | Use scenario: The new version agent is available in server side, so the agent installed in laptop would be updated to new version automatically   Pre-condition: 1. The agent installed in laptop is available on server: Software information please refer to [CreateAgentAndAgentRuleTestProcedure] test procedure step 6  2.Newer version of Agent software is available on server:  Software information please refer to [CreateAgentAndAgentRuleTestProcedure] test procedure step 7  3.Agent business rule is available on server:  Software information please refer to [CreateAgentAndAgentRuleTestProcedure] test procedure step 9 | 1 | Go to agent folder to check current agent version in META-INI file in la.jar | | The agent version is the same as that in precondition step1 in the META-INI file | PASS/FAIL |  |
| 2 | Connect the laptop network | | The network is available | PASS/FAIL |  |
| 3 | Restart the laptop and go to agent cache folder to check files | | 1. The new version agent would be downloaded with the same size as in Web server | PASS/FAIL |  |
| 2. The downloaded file would be extracted and decrypted automatically | PASS/FAIL |  |
| 4 | Go to Gateway Agent resource folder to check files | | 1. The configuration information in conf.properties file is not changed | PASS/FAIL |  |
| 2. There is a conf\_backup.properties file | PASS/FAIL |  |
| 3. There is a ‘Agentupdate’ file in resource folder which records the agent update time | PASS/FAIL |  |
| 5 | Check the agent version in META-INI file in la.jar | | The agent version is the same as that in precondition step2 in the META-INI file | PASS/FAIL |  |
| 6 | Go to local service Control panel - Administrative tools - Services | | The Gateway Agent Boot Loader Service and Gateway Agent Service are running | PASS/FAIL |  |
| 7 | Go to agent resource- rules folder | | The business rule in precondition step3 exists in the folder | PASS/FAIL |  |
| 8 | Login web UI with global user admin to check the agent upgrade record in User Activity Monitor | | There shall be agent upgrade record and agent rule download record with correct timestamps in user activity monitor page | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | |

### SCD700

| **Test Procedure** | **Description** | **#** | **Steps** | | **Expected Result** | **Actual Result** | | | **Defect Id** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Windows 7 64bit** |
| CreateCompressionServiceCenterTechnicianUsersTestProcedure | Use scenario:  Create Service Center Technician user to provide service with full Device Access and certified training  Pre-condition:  1. The Service Center Technician user information has been provided  2. The email address of Service Center Technician should be valid to check notification email  3. The user creation and training certification process are finished refer to [11] Add User Work Instruction (Training Record Sample on Pulse - <https://pulseconnect.covidien.com/docs/DOC-90662> )  4. Site admin has enabled following Alert Event:  Upgrade Attempt: Successful  Upgrade Attempt: Device Failed to Apply Upgrade | 1 | Login web UI as “Admin Global” user. | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field as default |  | | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure and Vessel Sealing |  | | PASS/FAIL |  |
| 2 | Switch to Admin - Users and click 'Add new' button | | It goes to create new user page |  | | PASS/FAIL |  |
| 3 | Check whether Pre-condition 3 is finished. | | The Pre-condition 3 is finished successfully. |  | | PASS/FAIL |  |
| 4 | Enter following fields:  Is the new user a Covidien 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: United States  Language: English  Password: Auto Generate  Business Unit: Vascular Therapies  Then click Next button | | It will goes to 'Add Roles and User Permissions' page |  | | PASS/FAIL |  |
| 5 | Assign following permission to the user:  Service Center Technician Role for Compression and set it as default role  Device Access: All production versions   Then click 'Create New user' button | | The compression Service Center Technician user is created successfully |  | | PASS/FAIL |  |
| 6 | Sign in the created Service Center Technician Role user personal email address 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 is providing the Gateway Web Server URL to let the user reset the password |  | | PASS/FAIL |  |
| 7 | Select 'Compression' in Class of Trade field and then click the Service Center Technician user link | | It goes to edit user page |  | | PASS/FAIL |  |
| 8 | Click 'Training Records' button | | It goes to 'Manage Training Records' page |  | | PASS/FAIL |  |
| 9 | Click 'Add training record' button and enter following fields in the pop-up windows:  Class of Trade: Compression  Device Type: SCD700  Trainer user ID: from the PDF file   Date of Training: from the PDF file  Status: Certified  Then click 'Add record' button | | The training record for Service Center Technician user is added successfully |  | | PASS/FAIL |  |
| 10 | Login web UI as Compression Service Center Technician user created above. | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'Compression' exists in class of trade field |  | | PASS/FAIL |  |
| 11 | Go through each page of the web site | | Device and reports pages/Hardware, Software, Document, Configuration pages /User management page are visible to compression Service Center Technician user |  | | PASS/FAIL |  |
| 12 | Go to user profile page and change to new password:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record the password during execution) | | Password is changed successfully |  | | PASS/FAIL |  |
| 13 | Go to Alerts page to subscribe following Alert Event:  Upgrade Attempt: Successful  Upgrade Attempt: Device Failed to Apply Upgrade | | The email notifications are subscribed successfully |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| CreateCompressionBiomedUserTestProcedure | Use scenario:  Create Biomed user who is non-covidien user with limited Device Access   Pre-condition: 1. The biomed user information has been provided  2. For test purpose, set the device access of Biomed user to ‘None’  3. The user creation and training certification is finished refer to [11] Add User Work Instruction (Training Record Sample on Pulse - <https://pulseconnect.covidien.com/docs/DOC-90662> ) | 1 | Login web UI as “Admin Global” user. | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field as default |  | | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure, Vessel sealing |  | | PASS/FAIL |  |
| 2 | Switch to Admin - Users and click 'Add new' button | | It goes to create new user page |  | | PASS/FAIL |  |
| 3 | Check whether Pre-condition 3 is finished. | | The Pre-condition 3 is finished successfully. |  | | PASS/FAIL |  |
| 4 | Enter following fields:  Is the new user a Covidien employee: No  First name: Biomed   Last name: Compression  Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Country: Singapore  Language: English  Password: Auto Generate  Customer Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Customer Account Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Then click Next button | | It will goes to 'Add Roles and User Permissions' page |  | | PASS/FAIL |  |
| 5 | Assign following permission to the user:  Biomed Role for Compression and set it as default  Device Access: None  Then click 'Create New user' button | | The compression biomed user is created successfully |  | | PASS/FAIL |  |
| 6 | Sign in the created Biomed Role user personal email address 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 is providing the Gateway Web Server URL to let the user reset the password.: |  | | PASS/FAIL |  |
| 7 | Select 'Compression' in Class of Trade field and then click the Biomed user link | | It goes to edit user page |  | | PASS/FAIL |  |
| 8 | Click 'Training Records' button | | It goes to 'Manage Training Records' page |  | | PASS/FAIL |  |
| 9 | Click 'Add training record' button and enter following fields in the pop-up windows:  Class of Trade: Compression  Device Type: SCD700  Trainer user ID: from the PDF file  Date of Training: from the PDF file  Status: Certified  Then click 'Add record' button | | The training record for Service Center Technician user is added successfully |  | | PASS/FAIL |  |
| 10 | Login web UI as Compression Biomed user created above. | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'Compression' exists in the Class of Trade field |  | | PASS/FAIL |  |
| 11 | Go through each page of the web site | | Only Report page and device page is visible to compression biomed user |  | | PASS/FAIL |  |
| 2. Biomed user has not permission to user management, hardware, software, document, configuration catalog page |  | | PASS/FAIL |  |
| 12 | Go to user profile page and change to new password:  Test@123 | | Password is changed successfully |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| CreateCompressionEmailSubscriberUserTestProcedure | Use scenario:  1. Create Email subscriber user with compression CoT admin role to view report and subscribe all email notifications  Pre-condition:  1. The email address of this email subscriber user should be valid.  2. Site admin has enabled following Alert Event:  Upgrade Attempt: Successful  Upgrade Attempt: Device Failed to Apply Upgrade | 1 | Login web UI as global user admin (“Admin Global” user) | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field as default |  | | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure and Vessel sealing |  | | PASS/FAIL |  |
| 2 | Switch to Admin - Users and click 'Add new' button | | It goes to create new user page |  | | PASS/FAIL |  |
| 3 | Enter following fields:  Is the new user a Covidien employee: Yes  First name: Subscriber   Last name: Compression  Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)  Country: United States  Language: English  Password: Auto Generate  Business Unit: Vascular Therapies  Then click Next button | | It will goes to 'Add Roles and User Permissions' page |  | | PASS/FAIL |  |
| 4 | Assign following permission to the user:  CoT admin Role for Compression   Device Access: None  Then click 'Create New user' button | | The compression email subscriber user is created successfully |  | | PASS/FAIL |  |
| 6 | Sign in the created Email subscriber user personal email address 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 is providing the Gateway Web Server URL to let the user reset the password.: |  | | PASS/FAIL |  |
| 7 | Login web UI as Compression email subscriber user created above | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'compression' exists in the Class of Trade field. |  | | PASS/FAIL |  |
| 8 | Go through each page of the web site | | 1. User Only has view permission to User management page |  | | PASS/FAIL |  |
| 2. User has view/ edit permission to Hardware, Software, Document, configuration section |  | | PASS/FAIL |  |
| 9 | Go to Alerts page to subscribe following Alert Event:  Upgrade Attempt: Successful  Upgrade Attempt: Device Failed to Apply Upgrade | | The email notifications are subscribed successfully |  | | PASS/FAIL |  |
| 10 | Go to user profile page and change to new password:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record the password during execution) | | Password is changed successfully |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| CreateCompressionQAUserTestProcedure | Use scenario:  QA user is created to download software in 'Limited Release' status  Pre-condition:  1. The user creation and training certification is finished refer to [11] Add User Work Instruction (Training Record Sample on Pulse - <https://pulseconnect.covidien.com/docs/DOC-90662> ) | 1 | Login web UI as global user admin (“Admin Global” user) | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field as default |  | | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure and Vessel Sealing |  | | PASS/FAIL |  |
| 2 | Switch to Admin - Users and click 'Add new' button | | It goes to create new user page |  | | PASS/FAIL |  |
| 3 | Check whether Pre-condition 1 is finished. | | The Pre-condition 1 is finished successfully. |  | | PASS/FAIL |  |
| 4 | Enter following fields:  Is the new user a Covidien employee: Yes  First name: QA   Last name: Compression  Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be generated during execution)  Country: United States  Language: English  Password: Auto Generate  Business Unit: Vascular Therapies  Then click Next button | | It will goes to 'Add Roles and User Permissions' page |  | | PASS/FAIL |  |
| 5 | Assign following permission to the user:  QA Role for Compression   Device Access: All production versions  Then click 'Create New user' button | | The compression QA user is created successfully |  | | PASS/FAIL |  |
| 6 | Sign in the created QA role user personal email address 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 is providing the Gateway Web Server URL to let the user reset the password. |  | | PASS/FAIL |  |
| 7 | Switch the class of trade to 'Compression' and then click the QA user link to go to edit user page, click 'Training Records' button | | It goes to 'Manage Training Records' page |  | | PASS/FAIL |  |
| 8 | Click 'Add training record' button and enter following fields in the pop-up windows:  Class of Trade: Compression  Device Type: SCD700  Trainer user ID: from the PDF file  Date of Training: from the PDF file  Status: Certified  Then click 'Add record' button | | The training record for QA user is added successfully |  | | PASS/FAIL |  |
| 9 | Login web UI as Compression QA user created above | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'compression' exists in the Class of Trade field. |  | | PASS/FAIL |  |
| 10 | Go through each page of the web site | | 1. User management page is not visible to compression QA user |  | | PASS/FAIL |  |
| 2. QA user has only view permission to hardware, software, document, configuration section |  | | PASS/FAIL |  |
| 11 | Go to user profile page and change to new password:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Record the password during execution) | | Password is changed successfully |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| CatalogManageTestProcedureForSCD700 | Use scenario:  1. Create the production hardware and software for the real device, and associate PDF document with them. | 1 | Login web UI as Compression CoT admin (“Admin System3” user) | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'Compression' exists in class of trade |  | | PASS/FAIL |  |
| 2 | Switch to Admin - Hardware catalog page and click 'Add new hardware' button | | It goes to create new hardware page |  | | PASS/FAIL |  |
| 3 | Enter following fields:  Device Type: SCD700  Hardware name: Control Board  Part #: 0  Revision: 0  Description: Schematic 1032554 applies to PCBA part numbers 1029098, 1043040, 1056673  Hardware Type: PCB  Hardware Status: In Production  Then click 'Add New Hardware' button | | The SCD700 v0production hardware is created successfully |  | | PASS/FAIL |  |
| 4 | Click ‘Add new hardware’ button on hardware catalog page | | It goes to create new hardware page |  | | PASS/FAIL |  |
| 5 | Device Type: SCD700  Hardware name: Control Board Part #: 0 Revision: 1  Description: Schematic 1067816 applies to PCBA part number 1062408 Hardware Type: PCB  Hardware Status: In Production Then click 'Add New Hardware' button | | The SCD700 v1 production hardware is created successfully |  | | PASS/FAIL |  |
| 6 | Enter following fields:  Device Type: SCD700  Hardware name: Control Board  Part #: 0  Revision: 2  Description: Schematic 1032554 applies to PCBA part numbers 1029098, 1043040, 1056673  Hardware Type: PCB  Hardware Status: In Production  Then click 'Add New Hardware' button | | The SCD700 v2production hardware is created successfully |  | | PASS/FAIL |  |
| 7 | Enter following fields:  Device Type: SCD700  Hardware name: Control Board  Part #: 0  Revision: 3  Description: Schematic 1032554 applies to PCBA part numbers 1029098, 1043040, 1056673  Hardware Type: PCB  Hardware Status: In Production  Then click 'Add New Hardware' button | | The SCD700 v3 production hardware is created successfully |  | | PASS/FAIL |  |
| 8 | Switch to Admin - Software catalog page and click 'Add new software' button | | It goes to create new software page |  | | PASS/FAIL |  |
| 9 | Enter following fields: Device Type: SCD700  Software name: Control  Part #: 0  Version: 01.12.00 Software Type: Software Bundle Software Status: In production Software Description: RE00028052 USB programmed SW 01.12.00  Software Language: US English Software package: raven\_01-12-00.bin Comparison Order: 3  Associate it with the hardware ‘Control Board\_v1’ and then click 'Add New Software' button | | The lower version of SCD700 production software for hardware v1 is created successfully |  | | PASS/FAIL |  |
| 10 | Switch to Admin > Software catalog page and click 'Add new software' button to create a new version software: Device Type: SCD700  Software name: Control Part #: 0 Version: 02.01.00 Software Description: RE00024837 USB programmed SW 02.01.00 Software Language: US English Software Type: Software Bundle Software Status: In production Software package: raven\_02-01-00.bin Comparison Order: 5  Associate it with the hardware ‘Control Board\_v0, v1, v2 and v3’ and then click 'Add New Software' button | | The higher version of SCD700 production software for all hardware versions is created successfully |  | | PASS/FAIL |  |
| 11 | Switch to Admin > Software catalog page and click 'Add new software' button to create a new version software: Device Type: SCD700  Software name: Control Part #: 0 Version: 01.08.01 Software Description: FS20005450 USB programmed SW 01.08.01 Software Language: US English Software Type: Software Bundle  Software Status: In production Software package: raven\_01-08-01.bin Comparison Order: 1  Associate it with the hardware ‘Control Board\_v0, v2, and v3’ and then click 'Add New Software' button | | The low version of SCD700 production software for hardware v0, v2 and v3 is created successfully |  | | PASS/FAIL |  |
| 12 | Wait for some time (in 5 minutes) and then check 'Available' field for the software created above | | 1. The values of 'Available' field changes from 'No' to 'Yes' for software Control\_01.08.01, Control\_01.12.00, and Control\_02.01.00 |  | | PASS/FAIL |  |
| 13 | Switch to Admin - Document catalog page and click 'Add New Document' button | | It goes to add new document page |  | | PASS/FAIL |  |
| 14 | Enter following fields: Device Type: SCD700   Document name: SCD700 manual Part #: SMF1012-001-GNRC\_OPML Version: A Document Type: Service manual  Description: Operator and Service Manual Document file: Operator and Service Manual.pdf Language: English  Associate it with Control Board\_0, 1,2,3 and Control\_02.01.00  and then click 'Add new document' button | | The document is created successfully |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| CreateUpdaterAndClientRuleTestProcedure | User scenario: Compression CoT admin adds new version SCDU in web UI and set its status as limited release  Pre-condition: The SCDU is in limited release status but able to install | 1 | Login web UI as Compression CoT admin (“Admin System3” user) | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'Compression' exists in class of trade field |  | | PASS/FAIL |  |
| 2 | Switch to Admin - Hardware catalog page and search hardware by device type 'SCD 700' | | The hardware of SCDU would be searched out and the hardware name is 'WINTEL' |  | | PASS/FAIL |  |
| 3 | Click the hardware name link 'WINTEL' | | It goes to edit hardware page |  | | PASS/FAIL |  |
| 4 | Check the following fields of the hardware:  Device Type: SCD 700  Hardware name: WINTEL Part #: ABC  Revision: 5  Hardware Type: Motherboard | | The hardware information is correct |  | | PASS/FAIL |  |
| 5 | Switch to Admin - Software catalog page and click 'Add new software' button | | It goes to create new software page |  | | PASS/FAIL |  |
| 6 | Enter following fields: Device Type: SCD 700  Software name: SCDUInstaller Part #: 0  Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Software Description: SCDU client Software Type: Software  Software Status: In production  Software Language: US English Software package: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Comparison Order: \_\_\_\_\_\_(This will be captured during execution) Associate it with the SCDU hardware 'WINTEL' then click 'Add New Software button' | | The current version SCDU is created successfully |  | | PASS/FAIL |  |
| 7 | Switch to Admin - Software catalog page and click 'Add new software' button to create a new version SCDU  Device Type: SCD 700 Software name: SCDUInstaller Part #: 0 Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Software Description: SCDU client Software Type: Software  Software Language: US English Software Status: Limited Release Software package: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution) Comparison Order: \_\_\_\_\_\_(This will be captured during execution) Associate it with the SCDU hardware 'WINTEL' then click 'Add New Software button' | | The new version SCDU is created successfully |  | | PASS/FAIL |  |
| 8 | Wait for some time (in 5 minutes) and then check the 'Available' field for the software created above | | The values of 'Available' field changes from 'No' to 'Yes' for SCDU software |  | | PASS/FAIL |  |
| 9 | Follow 5- 6 to create the current version of client rule:  Device Type: SCD 700 Software name: SCDUBusinessRules Part #: 0 Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be generated during execution) Software Description: SCDU business rule   Software Type: Business rules Software Language: English  Software Status: In production Software package: SCD700\_Updater.config  Comparison Order: \_\_\_\_\_\_(This will be captured during execution) Associate it with the hardware 'Control Board v0, v1, v2, v3' and then click 'Add New Software button' | | The current version Client rule is created successfully |  | | PASS/FAIL |  |
| 10 | Switch to Admin > Software catalog page and click 'Add new software' button to create a new version of client rule: Device Type: SCD 700  Software name: SCDUBusinessRules Part #: 0 Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be generated during execution) Software Description: SCDU business rule Software Type: Business rules Software Language: English Software Status: In production Software package: SCD700\_Updater.config Comparison Order: \_\_\_\_\_\_(This will be captured during execution) Associate it with the hardware 'Control Board v0, v1, v2, v3' and then click 'Add New Software button' | | The new version of Client rule is created successfully |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| UpdateSCD700UpdaterTestProcedure | User scenario:  Compression QA user tries to download SCDU in 'Limited Release' status and upgrade it.  Pre-condition:   1. Compression QA user has been created in [CreateCompressionQAUserTestProcedure] test procedure | 1 | Connect network with agent running | | The agent is running |  | | PASS/FAIL |  |
| 2 | Launch and login SCDU with compression QA user. (Refer to Pre-condition 1) and accept the software license agreement | | QA user login SCDU successfully |  | | PASS/FAIL |  |
| 3 | Go to agent cache folder to check the software packages | | 1. The new version of SCDU in 'Limited release' status would be downloaded automatically, as the software size is the same as on Web server which is added in CreateUpdaterAndClientRuleTestProcedure |  | | PASS/FAIL |  |
| 2. The new version client business rule would be downloaded, as the software size is the same as on Web server which is added in CreateUpdaterAndClientRuleTestProcedure |  | | PASS/FAIL |  |
| 3. The downloaded SCDU and business rule would be decrypted and extracted automatically |  | | PASS/FAIL |  |
| 4 | Go back to SCDU screen and click 'OK' on the upgrade prompt dialog | | The new version SCDU starts to install |  | | PASS/FAIL |  |
| 5 | Launch SCDU after being upgraded, and then Login with the compression QA user and accept license agreement | | The user login SCDU successfully |  | | PASS/FAIL |  |
| 6 | Go to agent cache folder to check the decrypted packages | | The decrypted file of SCDU installer has been deleted |  | | PASS/FAIL |  |
| 7 | Login web UI with global user admin to check the SCDU upgrade record | | There shall be SCDU upgrade record with correct timestamp in user activity tracking |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| DeviceManageTestProcedureForSCD700 | User scenario:  1. Service Center Technician user creates device and upgrades software, then Email subscriber user would check email notifications and view report  Pre-condition:  1. The agent and SCDU has been installed in laptop, but there is no user who has logged in SCDU (No user profile exists in LoginFile.xml, if user info exists in this file, delete this file)  2. The SCD 700 Controller 1 has never been registered in server and its configuration is Control\_01.12.00 and Control Board\_1  3. The SCD 700 Controller 2) has never been registered in server and its configuration is Control\_01.08.01 and Control Board\_0 or 2 or 3  4. The email address of compression Service Center Technician user is valid. (The user has been created in [CreateCompressionServiceCenterTechnicianUsersTestProcedure] test procedure)  5. Compression CoT Admin user has been created in [CreateCompressionEmailSubscriberUserTestProcedure] test procedure  6. Following Informational Alert has been subscribed for CoT Admin user and the Service Center Technician user:  New Device Record Created  Device Configuration Updated | 1 | Start agent service with network connected. Open Connection Tool on desktop and get the Agent status. | | Agent Status is “Running”. |  | | PASS/FAIL |  |
| 2 | Go to agent cache folder to check the software packages to make sure no software packages are in cache folder | | There is not any package in cache folder |  | | PASS/FAIL |  |
| 3 | Launch and login SCDU with compression Service Center Technician user. (Refer to Pre-condition 4) | | Service Center Technician user login SCDU successfully |  | | PASS/FAIL |  |
| 4 | Accept the software license Agreement | | 1. It goes to Software Updater Home |  | | PASS/FAIL |  |
| 2. Server icon in the upper left of the SCDU is ‘Green’ |  | | PASS/FAIL |  |
| 5 | After all files has been downloaded, click the ‘Next’ button | | It goes to select country screen and the 'United States' is the default country |  | | PASS/FAIL |  |
| 6 | Connect the SCD 700 Controller 1 and laptop using USB cord, select ‘United States’ and then click Next button | | It goes to ‘Update Preparation ’ screen |  | | PASS/FAIL |  |
| 7 | Follow on screen instructions | | It goes to ‘Enter serial number’ screen |  | | PASS/FAIL |  |
| 8 | Enter the connected device serial number in following fields:  Serial Number: Controller 1 serial number   Re-enter Serial Number: Controller 1 serial number  then click 'Next' button | | The device serial number is legal |  | | PASS/FAIL |  |
| 9 | Turn on the controller for pre-Update check | | The pre-update check passes |  | | PASS/FAIL |  |
| 10 | Turn off the controller and then click ‘Next’ button | | It goes to ‘Software Update’ screen |  | | PASS/FAIL |  |
| 11 | Put controller in Upgrade Mode and then click “Next’ button | | 1. ‘Control\_02.01.00’ shows in the available software list after a while and the software field is prepopulated and cannot be changed |  | | PASS/FAIL |  |
| 2. There is a link to view ‘Operator and Service Manual’ document after ‘Need Help’ Link on Software Update screen |  | | PASS/FAIL |  |
| 12 | Go to agent cache folder to check the software packages | | 1. The software packages of 'Control\_01.12.00and 'Control\_02.01.00 are downloaded in cache folder (Check whether the file size is the same as that showing in web UI) |  | | PASS/FAIL |  |
| 2. The PDF document is downloaded in cache folder (Check whether the file size is the same as that showing in web UI) |  | | PASS/FAIL |  |
| 3. The software packages have been decrypted and extracted automatically |  | | PASS/FAIL |  |
| 13 | Go back to SCDU screen and click ‘ ‘Help’ in SCDU screen link | | The document ‘Operator and Service Manual” (Filename: ‘Operator and Service Manual.pdf’) shows in Downloaded Documents list |  | | PASS/FAIL |  |
| 14 | Click the document name link | | The document can be viewed |  | | PASS/FAIL |  |
| 15 | Go back to Software Update screen, click ‘Next” button and then click “Start Update’ to upgrade. | | Completion of software update message prompts in SCDU screen |  | | PASS/FAIL |  |
| 16 | Click ‘Next’ button and turn on the controller to perform Post-update Check and then click 'Next' button on SCDU screen | | Successful update message would prompt in SCDU screen. |  | | PASS/FAIL |  |
| 17 | Log out SCDU | | User log out SCDU successfully |  | | PASS/FAIL |  |
| 18 | Go to agent cache folder to check the software packages | | The decrypted software packages has been deleted |  | | PASS/FAIL |  |
| 19 | Login compression service Center Technician personal email address to check the email | | There are three notification emails in the service Center Technician email box: New device registration  Device Configuration Updated  Upgrade Attempt: Successful  with correct user name and serial number |  | | PASS/FAIL |  |
| 2. The ‘Device Configuration update’ email includes Device Info (HW and SW components) |  | | PASS/FAIL |  |
| 20 | Login with compression Email subscribe user personal email address to check the email received | | 1. There are three notification emails in the Email subscribe user email box: New device registration  Device Configuration Updated  Upgrade Attempt: Successful  with correct user name and serial number |  | | PASS/FAIL |  |
| 2. The ‘Device Configuration Update’ email includes Device Info (HW and SW components) |  | | PASS/FAIL |  |
| 21 | Login web UI as Compression CoT admin with following credentials. (Refer to Pre-condition 4) | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'Compression' exists in the drop down list |  | | PASS/FAIL |  |
| 22 | Switch to device page and search device by serial number controller 1 serial number | | The device is searched out |  | | PASS/FAIL |  |
| 23 | Click the device serial number link | | It goes to device service history page with following records:  Device Discovery  Configuration Update (Hardware Control Board\_v1)  Configuration Update (Control\_v01.12.00)Upgrade – pass (Software ‘Control\_v02.01.00 upgraded successfully) |  | | PASS/FAIL |  |
| 24 | Switch to HW/SW configuration page | | The device configuration is showing as: Control Board\_1 and Control\_02.01.00 and its country is ‘United States’ |  | | PASS/FAIL |  |
| 25 | Click Reports link | | It goes to reports page |  | | PASS/FAIL |  |
| 26 | Select 'Software Upgrade Report' and enter following fields:  Device Type: SCD700  Customer name: UNKNOWN  Date: (The date when the email is received)  Then click 'View Report' button | | 1. The SCD700 device ' controller 1 serial number ' record shows in the software upgrade report details |  | | PASS/FAIL |  |
| 2. The software upgrade status is 'Pass' |  | | PASS/FAIL |  |
| 3. The device previous software version is Control\_01.12.00 and the new version is Control\_02.01.00 |  | | PASS/FAIL |  |
| 27 | Back to report page and select 'Device Current configuration report', enter following fields:  Device Type: SCD700  Customer name: UNKNOWN  Device serial number: Controller 1 serial number  Then click 'View Report' button | | 1. The SCD700 device configuration shows as Control Board\_1 and Control\_02.01.00 |  | | PASS/FAIL |  |
| 28 | Switch to report page and select 'Service Records report', enter following fields:  Device Type: SCD700  Customer name: UNKNOWN  Device serial number: Controller 1 serial number  From Date: (The date when the email is received)  Then click 'View Report' button | | The service records for the SCD700 device shows as:  Device Discovery  Configuration Update (Control\_v01.12.00)  Upgrade – P (Software ‘Control\_v02.01.00 upgraded successfully)  With correct service date and User ID |  | | PASS/FAIL |  |
| 29 | Launch and login SCDU with compression Service Center Technician user. (Refer to Pre-condition 4) | | Center Technician user login SCDU successfully |  | | PASS/FAIL |  |
| 30 | Repeat step 4 to step 5 and connect the laptop with SCD 700 Controller 2, select ‘Singapore’ and then click Next button | | It goes to ‘Update Preparation’ screen |  | | PASS/FAIL |  |
| 31 | Follow the on screen instructions | | It goes to ‘Enter serial number’ screen |  | | PASS/FAIL |  |
| 32 | Enter the connected device serial number in following fields:  Serial Number: Controller 2 serial number   Re-enter Serial Number: Controller 2 serial number  then click 'Next' button | | The device serial number is legal |  | | PASS/FAIL |  |
| 33 | Turn on the controller for pre-Update check, then turn off the controller and click ‘Next’ button | | It goes to “Software Update’ screen |  | | PASS/FAIL |  |
|  | Put the controller in upgrade Mode and then click ‘Next” | | 1. ‘Control\_02.01.00 shows in the available software list after a while and the software field is prepopulated and cannot be changed |  | |  |  |
| 34 | Go to agent cache folder to check the software packages | | The software packages of 'Control\_01.08.01' and 'Control\_02.01.00 have been decrypted and extracted automatically |  | | PASS/FAIL |  |
| 32 | Logout SCDU without upgrade, and go to agent cache folder to check the software packages | | The decrypted software packages of 'Control\_01.08.01' and 'Control\_02.01.00 have been deleted |  | | PASS/FAIL |  |
| 33 | Login web UI as Compression CoT admin with following credentials. (Refer to Pre-condition 5) | | It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 34 | Switch to device page and search device by serial number Controller serial number 2 | | The device is searched out |  | | PASS/FAIL |  |
| 35 | Click the device serial number link and switch to HW/SW Configuration page to check the device hardware and software configuration | | The device configuration is showing as: Control Board\_0,2,or 3 and Control\_01.08.01 and its country is ‘Singapore’ |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| DownloadMissingSoftwareTestProcedureForSCD700 | User scenario:   Compression Service Center Technician user downloads all the software in advance for disconnected mode service    Pre-condition:   1. The Compression Service Center Technician user profile exists in LoginFile.xml file (The user has been created in [CreateCompressionServiceCenterTechnicianUsersTestProcedure] test procedure) 2. The encrypted, compressed software and document packages would be deleted after software expiration date 3. The SCD700 device Controller 2 has already registered on web server 4. Compression CoT Admin user has been created in [CreateCompressionEmailSubscriberUserTestProcedure] test procedure | 1 | Login web UI as Compression CoT admin user. (Refer to Pre-condition 4) | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'Compression' exists in the class of trade field |  | | PASS/FAIL |  |
| 2 | Switch to Admin - Software catalog page and click 'Add new software' button | | It goes to create new software page |  | | PASS/FAIL |  |
| 3 | Enter following fields to create a new version of software  Device Type: SCD700 Software name: Control Part #: 0 Version: 01.11.02 Software Description: FS20005451 USB programmed SW 01.11.02  Software Language: US English Software Type: Software Bundle Software Status: In production Software package: GrandRobin\_01-11-02.bin Comparison Order: 2 Associate it with the hardware Control Board\_0,2,3 and then click 'Add New Software button' | | The middle version of SCD700 production software for hardware v0. V2, v3 is created successfully |  | | PASS/FAIL |  |
| 4 | Click the software Control\_02.01.00 link to go to edit software page, then click 'Regulatory Exception' button | | It goes to 'Manage Regulatory Exceptions' page |  | | PASS/FAIL |  |
| 5 | Click 'Add Exception' button and enter following field in the pop-in window:  Country: Singapore  Then click 'Add exception' button | | The country exception for Control\_02.01.00 is added successfully |  | | PASS/FAIL |  |
| 6 | Login web UI as Compression Service Center Technician user (Refer to pre-condition 1) | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only compression exists in Class of Trade field |  | | PASS/FAIL |  |
| 7 | Switch to device page and search the SCD700 device controller 2 serial number | | The device is searched out |  | | PASS/FAIL |  |
| 8 | Click the serial number link and check the device configuration | | 1. The device configuration shows as Control Board\_0, 2 or 3 and Control\_01.08.01 |  | | PASS/FAIL |  |
|  |  | | PASS/FAIL |  |
| 9 | Go to agent cache folder to check software packages | | The software packages downloaded in DeviceManageTestProcedureForSCD700 still exist in cache folder |  | | PASS/FAIL |  |
| 10 | Adjust the laptop system time to 14 days later | | The system time is modified successfully |  | | PASS/FAIL |  |
| 11 | Go to agent cache folder to check software packages | | The software would be deleted in two hours |  | | PASS/FAIL |  |
| 12 | Restart laptop with network available. Open Connection Tool on desktop and get the Agent status. | | Agent Status is “Running”. |  | | PASS/FAIL |  |
| 13 | Go to agent cache folder to check software packages | | 1. The software Control\_01.08.01, Control\_01.11.02  , Control\_01.12.00, Control\_02.01.00 , and PDF document under SCD700 device type would be downloaded (Check whether the files size are the same as those in web UI ) |  | | PASS/FAIL |  |
| 2. The software packages and document are in encrypted and compressed(The file size is the same as that in server) |  | | PASS/FAIL |  |
|  |  | 14 | The laptop clock is reset to correct time and day | | NA |  | |  |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700 | User scenario:  The Compression Service Center Technician user fails to upgrade software in disconnect mode  Pre-condition:   1. All software packages for SCD700 device have been downloaded in DownloadMissingSoftwareTestProcedure 2. The messages in agent outbox would be sent out after connecting the network for 10 minutes (Agent resend time). 3. Current version of software on SCD700 Controller1 ‘’ is ‘02.01.00 4. The Compression Service Center Technician user has been created in [CreateCompressionServiceCenterTechnicianUsersTestProcedure] test procedure) 5. Compression CoT Admin user has been created in [CreateCompressionEmailSubscriberUserTestProcedure] test procedure | 1 | Disconnect the laptop network and check the agent service | | 1. The agent service is running |  | | PASS/FAIL |  |
| 2 | Launch and login SCDU with Compression Service Center Technician user (Refer to Pre-condition 4) | | Compression Service Center Technician user login SCDU successfully |  | | PASS/FAIL |  |
| 3 | Accept the software license agreement and then click ' Next' button | | 1. It goes to Software Updater Home screen |  | | PASS/FAIL |  |
| 2. Server icon in the upper left of the SCDU is ‘Red’ |  | | PASS/FAIL |  |
| 4 | After all files has been downloaded, click the ‘Next’ button | | It goes to select country screen and the 'United States' is the default country |  | | PASS/FAIL |  |
| 5 | Connect the SCD 700 Controller1 and laptop using USB cord, select ‘United States’ and then click Next button | | It goes to ‘Updater Preparation’ screen |  | | PASS/FAIL |  |
|  | Follow the on screen instructions | | It goes to ‘Enter Serial Number’ screen |  | |  |  |
| 6 | Enter the connected device serial number in following fields:   Serial Number: controller 1 serial number  Re-enter Serial Number: controller 1 serial number  then click ‘Next’ button | | The device serial number is legal |  | | PASS/FAIL |  |
| 7 | Turn on the controller for pre-Update check | | The pre-Update check passes |  | | PASS/FAIL |  |
|  | Turn off the controller and then click ‘Next’ button | | It goes to the “Software Updater’ screen |  | |  |  |
| 8 | Put the controller in Upgrade Mode and then click ‘Next’ button | | 1. Control\_01.12.00 shows in the available software list after a while and the software field is prepopulated and cannot be changed |  | | PASS/FAIL |  |
| 2. There is a link to view ‘Operator and Service Manual’ document after ‘Need Help’ Link on Software Update screen |  | | PASS/FAIL |  |
| 9 | Go to agent cache folder to check the software packages | | The software packages have been decrypted and extracted automatically |  | | PASS/FAIL |  |
| 10 | Go back to SCDU screen and click ‘?Help’ link | | The document ‘scd700 manual’ (Filename: ‘Operator and Service Manual.pdf’) shows in Downloaded Documents list |  | | PASS/FAIL |  |
| 11 | Click the document name link | | The document can be viewed |  | | PASS/FAIL |  |
| 12 | Go back to Software Update screen, select Control\_v01.12.00 from available software list and then click ‘Start Update’ button | | The upgrade progress starts |  | | PASS/FAIL |  |
| 13 | After software installation complete, Click ‘Cancel’ button on SCDU post-update screen, Logout SCDU and then go to agent cache folder to check the software packages | | The decrypted software packages have been deleted |  | | PASS/FAIL |  |
| 14 | Connect the laptop network and check the agent service. Open Connection Tool on desktop and get the Agent status. | | Agent Status is “Running”. |  | | PASS/FAIL |  |
| 15 | Go to agent outbox folder to check the xml messages after the agent resend time  (The default resender time is 10 minutes) | | The messages are sent out (Check the outbox.xml time stamp) |  | | PASS/FAIL |  |
| 16 | Login compression service Center Technician personal email address to check the email | | There is a notification email in the service Center Technician user email box:  ' Upgrade Attempt: Device Failed to Apply Upgrade: ' with correct user name and serial number ‘controller serial number 1 |  | | PASS/FAIL |  |
| 17 | Login web UI as Compression CoT admin. (Refer to pre-condition 5) | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'Compression' exists in the class of trade field |  | | PASS/FAIL |  |
| 18 | Click Reports link | | It goes to reports page |  | | PASS/FAIL |  |
| 19 | Select 'Software Upgrade Report' and enter following fields:  Device Type: SCD700  Customer name: UNKNOWN  From Date: Current Date  Then click 'View Report' button | | 1. This SCD 700 Controller 1 serial number shows in the software upgrade report details |  | | PASS/FAIL |  |
| 2. The latest software upgrade status of controller 1 serial number is 'Fail' |  | | PASS/FAIL |  |
| 3. The device previous software version is Control\_02.01.00 and the new version is Control\_02.01.00 |  | | PASS/FAIL |  |
| 20 | Switch to report page and select 'Service Record report', enter following fields:  Device Type: SCD700  Customer name: UNKNOWN  Device serial number: controller 1  From Date: Current Date  Then click 'View Report' button | | 1. The latest service records for this SCD700 device shows as: Upgrade failed with correct software version |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| SoftwareDiscrepancyCheckTestProcedureForSCD700 | User scenario:  The device is upgraded without sending ACK message to server, when the device connects to server again, the software discrepancy would occur  Pre-condition:  1. In UpgradeSoftwareFailInDisconnectModeTestProcedureForSCD700, the SCD 700 Controller 1 software has been updated to Control\_ 01.12.00 but the software in server is still stored as Control\_ 02.01.00   1. The Compression Service Center Technician user has been created in [CreateCompressionServiceCenterTechnicianUsersTestProcedure] test procedure) 2. Compression CoT Admin user has been created in [CreateCompressionEmailSubscriberUserTestProcedure] test procedure 3. The Informational alert for Alert Event: Device Configuration Changed has been subscribed for the CoT Admin user. | 1 | Connect the laptop network and check the agent service | | The agent service is running |  | | PASS/FAIL |  |
| 2 | Launch and login SCDU with Compression Service Center Technician user (Refer to Pre-condition 2) | | Compression Service Center Technician user login SCDU successfully |  | | PASS/FAIL |  |
| 3 | Accept the software license agreement and then click ' Next' button | | It goes to Software Updater Home screen |  | | PASS/FAIL |  |
| 4 | After all files has been downloaded, click the ‘Next’ button | | It goes to select country screen and the 'United States' is the default country |  | | PASS/FAIL |  |
| 5 | Connect the of SCD 700 Controller 1 and laptop using USB cord, select ‘United States’ and then click Next button | | It goes to ‘Update Preparation’screen |  | | PASS/FAIL |  |
|  | Follow on screen instructions | | It goes to ‘Enter serial number’ screen |  | |  |  |
| 6 | Enter the connected device serial number in following fields:   Serial Number: controller 1 serial number  Re-enter Serial Number: controller 1 serial number then click ‘Next’ button | | The serial number is legal |  | | PASS/FAIL |  |
| 7 | Turn on the controller for pre-Update check | | The pre-Update check passes |  | | PASS/FAIL |  |
|  | Turn off the controller and then click ‘Next’ button | | It goes to the ‘Software Update’ screen |  | | PASS/FAIL |  |
| 8 | Put the controller in Upgrade Mode and then click ‘Next’ | | 1. ‘Control\_02.01.00 show in the update software field after a while |  | | PASS/FAIL |  |
| 9 | Login with compression email subscriber user (Role: CoT admin) personal email address to check the email (Refer to Pre-condition 2) | | There is an Alert email in the email subscriber user email box indicating that Device’s configuration is changed due to it is different with device configuration in the server |  | | PASS/FAIL |  |
| 10 | Login web UI as Compression CoT admin user (Refer to Pre-condition 2) | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'Compression' exists in the Class of Trade field |  | | PASS/FAIL |  |
| 11 | Click Reports link | | It goes to reports page |  | | PASS/FAIL |  |
| 12 | Switch to report page and select 'Component Discrepancy Report', enter following fields:  Device Type: SCD700  Customer name: UNKNOWN  Device serial number: Controller 1 serial number  Then click 'View Report' button | | The Component Discrepancy records for the SCD700 device shows as: Expected Version - Control\_02.01.00; Discrepancy Version - Control\_v01.12.00 |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| AttemptToUpgradeSoftwareWithoutPrivilegeTestProcedureForSCD700 | User scenario:  The biomed user has 'None' Device Access but he tries to upgrade device.  Pre-condition:   1. The SCD 700 Controller 2 has been registered in server and current software of the device is Control\_01.08.01 2. The SCD 700 Controller 2 country is ‘Singapore’ 3. The agent is just set up in the laptop and the cache folder is empty 4. compression Biomed user has been created in [CreateCompressionQAUserTestProcedure] test procedure | 1 | Start agent service with network connected | | The agent is running |  | | PASS/FAIL |  |
| 2 | Go to agent cache folder to check the downloaded software packages | | There is not any software packages downloaded into cache folder |  | | PASS/FAIL |  |
| 3 | Launch and login SCDU with compression Biomed user (Refer to Pre-condition 4) | | Biomed user login SCDU successfully |  | | PASS/FAIL |  |
| 4 | Accept the software license agreement and then click ' Next' button | | It goes to Software Updater Home screen with downloading process bar |  | | PASS/FAIL |  |
| 5 | Go to agent cache folder to check the downloaded software packages | | The software packages start to download |  | | PASS/FAIL |  |
| 6 | After all files has been downloaded, click the ‘Next’ button | | It goes to select country screen and the 'Singapore' shows in the default country list and cannot be changed |  | | PASS/FAIL |  |
| 7 | Connect the SCD 700 Controller 2 and laptop using USB cord, | | It goes to “Update Preparation’ screen |  | | PASS/FAIL |  |
| 8 | Follow on screen instructions | | It goes to ‘Enter Serial Number Screen’ |  | | PASS/FAIL |  |
| 9 | Enter the connected device serial number in following fields:   Serial Number: Controller 2 serial number  Re-enter Serial Number: Controller 2 serial number  then click ‘Next’ button | | The serial number is legal |  | | PASS/FAIL |  |
| 10 | Turn on the controller for pre-Update check | | The pre-Update check passes |  | | PASS/FAIL |  |
| 11 | Turn off the controller and then click ‘Next’ button | | It would prompt ‘Current User Account Permission does not allow Software Updates’ |  | | PASS/FAIL |  |
| 12 | Go to agent cache folder to check the software packages | | 1. The software packages of 'Control\_01.08.01', 'Control\_01.11.02, 'Control\_02.01.00 are encrypted, compressed. (The file size is the same as that in server) |  | | PASS/FAIL |  |
| 13 | Logout SCDU | | The user is logged out and it goes to ‘Login” screen |  | | PASS/FAIL |  |
| 14 | Login web UI as Global user admin | | 1. It enters to home page with 'Ventilation' in Class of Trade field |  | | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure and Vessel Sealing |  | | PASS/FAIL |  |
| 15 | Switch to User activity monitor page and search by the compression biomed user name | | The Biomed user activities is logged and prompt ‘User don’t have permission to view device’ |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| ModifiedUserPrivilegeAndUpgradeTestProcedureForSCD700 | User scenario:  The compression biomed user upgrades device after global user admin changes the device access privilege for him  Pre-condition:  1. The current version of SCD 700 Controller 2 is Control\_01.08.01 and the device country is 'Singapore'  2. The software Control\_01.08.01, Control\_01.11.02, Control\_02.01.00 have been downloaded in agent cache folder  3.The country exception for Control\_02.01.00 is 'Singapore'  4. compression Biomed user has been created in [CreateCompressionQAUserTestProcedure] test procedure | 1 | Login web UI as global user admin (“Admin Global” user) | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field as default |  | | PASS/FAIL |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure and Vessel Sealing |  | | PASS/FAIL |  |
| 2 | Switch to Admin - Users page and then search the compression biomed user by name 'Biomed Compression' | | The user is searched out |  | | PASS/FAIL |  |
| 3 | Click the Biomed user link to go to edit user page, then click 'Manage Access' button | | It goes to 'Edit Roles and User Permissions' page |  | | PASS/FAIL |  |
| 4 | Edit the user Device Access to 'Latest Version Only' and click 'Save changes' button | | The Device Access of Biomed user is updated successfully |  | | PASS/FAIL |  |
| 5 | Enable the network, launch and login SCDU with compression Biomed user. (Refer to Pre-condition 4) | | Biomed user login SCDU successfully |  | | PASS/FAIL |  |
| 6 | Accept the software license agreement and then click ' Next' button | | It goes to Software Updater Home screen |  | | PASS/FAIL |  |
| 7 | After all files has been downloaded, click the ‘Next’ button | | It goes to select country screen, Singapore is the country and the country cannot be changed |  | | PASS/FAIL |  |
| 8 | Connect the SCD 700 Controller 2 and laptop using USB cord and then click ‘Next’ | | It goes to ‘Update Preparation” screen |  | | PASS/FAIL |  |
| 9 | Follow on screen instructions | | It goes to ‘Enter Serial Number’ screen |  | | PASS/FAIL |  |
| 10 | Enter the connected device serial number in following fields:   Serial Number: Controller 2 serial number   Re-enter Serial Number: Controller 2 serial number  then click ‘Next’ button | | The serial number is legal |  | | PASS/FAIL |  |
| 11 | Turn on the controller for pre-Update check | | The pre-Update check passes |  | | PASS/FAIL |  |
| 12 | Turn off the controller and then click ‘Next’ button | | It goes to ‘Software Update’ screen |  | |  |  |
| 13 | Put the controller in Upgrade Mode and then click ‘Next’ | | 1. ‘Control\_01.11.02 shows in the available software list after a while and the software field is prepopulated and cannot be changed |  | | PASS/FAIL |  |
| 14 | Go to agent cache folder to check the software packages | | 1. ‘Control\_01..11.02 has been decrypted and extracted while ‘Control\_v01.08.01’ and ‘Control\_v02.01.00 have not |  | | PASS/FAIL |  |
| 15 | Go back to SCDU, click ‘Next” button and then click “Start Update’ to upgrade. | | Update success message prompts in SCDU screen after software update is completed |  | | PASS/FAIL |  |
| 16 | Click ‘Next’ button and turn on the controller to perform Post-update Check and then click 'Next' button on SCDU screen | | Successful update message would prompt in SCDU screen. |  | | PASS/FAIL |  |
| 17 | Go to agent cache folder to check the software packages | | 1. The decrypted and extracted file of ‘Control\_v01.11.02 is deleted |  | | PASS/FAIL |  |
| 18 | Login web UI as Compression Biomed user (Refer to Pre-condition 4) | | 1. It enters to home page with 'Compression' in Class of Trade field |  | | PASS/FAIL |  |
| 2. Only 'Compression' exists in class of trade field |  | | PASS/FAIL |  |
| 19 | Switch to Device page to search the device Controller 2 serial number , and then check the device configuration | | The software in device configuration has been updated to ‘Control\_01.11.02 and the device country is 'Singapore' |  | | PASS/FAIL |  |
| 20 | Click Service History tab and check the service history | | Service History displays correctly and includes:  Device Connection  Upgrade - Pass |  | | PASS/FAIL |  |
| 21 | Click Technician Name link to check the user info | | 1. User info window pops up |  | | PASS/FAIL |  |
| 2. User info should include the user customer information and email address |  | | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |
| CrossDevicesAndLaptopTestProcedureForSCD700 | User scenario:  The Compression Service Center Technician user provides service for different SCD700 devices using different laptop  Pre-condition:   1. The agent and SCDU have been installed in laptop1 and laptop2 and the network is available in both laptop 2. The Controller 1 configuration is ‘Control Board\_v1’ and Control\_v01.12.00 3. The Controller 2 configuration is ‘Control Board\_v0, v2, or v3’ and Control\_v01.11.02 4. The Compression Service Center Technician user has been created in [CreateCompressionServiceCenterTechnicianUsersTestProcedure] test procedure) | 1 | Launch SCDU in laptop1 and login with Compression Service Center Technician user (Refer to Pre-condition 4) | | Compression Service Center Technician user login SCDU successfully |  | PASS/FAIL | |  |
| 2 | Accept the software license agreement, wait for all files has been downloaded, click ‘Next’ button | | It goes to select country screen and 'United States' is the default country |  | PASS/FAIL | |  |
| 3 | Connect Laptop1 and SCD 700 Controller 1 with USB cord, select ‘United States’ and then click Next button | | It goes to ‘Update Preparation’screen |  | PASS/FAIL | |  |
|  | Follow on screen instructions | | It goes to ‘Enter serial number’ screen |  |  | |  |
| 4 | Enter the connected device serial number in following fields:   Serial Number: Controller 1 serial number  Re-enter Serial Number: Controller 1 serial number  then click ‘Next’ button | | The device serial number is legal |  | PASS/FAIL | |  |
| 5 | Turn on the controller for pre-Update check | | The pre-Update check passes |  | PASS/FAIL | |  |
|  | Turn off the controller and then click ‘Next’ button | | It goes to ‘Software Update’ screen |  |  | |  |
| 6 | Put the controller in Upgrade Mode and then click ‘Next’ button | | 1. 'Control\_02.01.0 shows in the available software list after a while |  | PASS/FAIL | |  |
| 2. There is a link to view ‘Operator and Service Manual’ document after ‘Need Help’ Link on Software Update screen |  | PASS/FAIL | |  |
| 7 | Go back to SCDU, click ‘Next” button and then click “Start Update’ to upgrade. | | Update success message prompts in SCDU screen after software update is completed |  | PASS/FAIL | |  |
| 8 | Click ‘Next’ button and turn on the controller to perform Post-update Check and then click 'Next' button on SCDU screen | | Successful update message would prompt in SCDU screen. |  | PASS/FAIL | |  |
| 9 | Go to agent cache folder to check the software packages | | The decrypted software packages have been deleted |  | PASS/FAIL | |  |
| 10 | Click 'Upgrade another device' button in SCDU screen | | It goes to select country screen |  | PASS/FAIL | |  |
| 11 | Unplug the USB cord of SCD 700 Controller 1, and then connect Laptop1 with SCD 700 Controller 2 using USB cord, select ‘United States’ and then click Next button | | It goes to ‘Update Preparation’ screen |  | PASS/FAIL | |  |
| 12 | Follow on screen instructions | | It goes to ‘Enter serial number’ screen |  | PASS/FAIL | |  |
| 13 | Enter the connected device serial number in following fields:   Serial Number: Controller 2 serial number   Re-enter Serial Number: Controller 2 serial number  then click ‘Next’ button | | The serial number is legal |  | PASS/FAIL | |  |
| 14 | Turn on the controller for pre-Update check | | The pre-Update check passes |  | PASS/FAIL | |  |
| 15 | Turn off the controller and then click ‘Next’ button | | It goes to ‘Software Update’ screen |  |  | |  |
| 16 | Put controller in Upgrade Mode and the click ‘Next’ button | | 1. 'Control\_01.08.01’ and ‘Control\_02.01.00 show in the available software list after a while |  | PASS/FAIL | |  |
| 2. There is a link to view ‘Operator and Service Manual’ document after ‘Need Help’ Link on Software Update screen |  | PASS/FAIL | |  |
| 17 | Go back to SCDU, click ‘Next” button and then click “Start Update’ to upgrade. | | Success of software update message prompts in SCDU screen |  | PASS/FAIL | |  |
| 18 | Go to agent cache folder to check the software packages | | The decrypted software packages have been deleted |  | PASS/FAIL | |  |
| 19 | Launch SCDU and login with Compression Service Center Technician user in Laptop2 (Refer to Pre-condition 4) | | Compression Service Center Technician user login SCDU successfully |  | PASS/FAIL | |  |
| 20 | Accept the software license agreement, wait for all files has been downloaded, click ‘Next’ button | | It goes to select country screen and 'United States' is the default country |  | PASS/FAIL | |  |
| 21 | Connect Laptop2 and SCD 700 Controller 1 with USB cord, select ‘United States’ and then click Next button | | It goes to ‘Update Preparation’ screen |  | PASS/FAIL | |  |
| 22 | Follow on screen instructions | | It goes to ‘Enter serial number’ screen |  |  | |  |
| 23 | Enter the connected device serial number in following fields:   Serial Number: Controller 1 serial number   Re-enter Serial Number: Controller 1 serial number  then click ‘Next’ button | | The serial number is legal |  | PASS/FAIL | |  |
| 24 | Turn on the controller for pre-Update check | | The pre-Update check passes |  | PASS/FAIL | |  |
| 25 | Turn off the controller and then click ‘Next’ button | | It goes to ‘Software Update’ screen |  | PASS/FAIL | |  |
| 26 | Put controller in Upgrade Mode and then click ‘Next” button | | 1. ‘Control\_01.12.00 shows in the available software list after a while |  | PASS/FAIL | |  |
| 2. There is a link to view ‘Operator and Service Manual’ document after ‘Need Help’ Link on Software Update screen |  | PASS/FAIL | |  |
| 27 | Go back to SCDU, select software 'Control\_01.12.00 to downgrade , click ‘Next” button and then click “Start Update’ to upgrade. | | Success of software update message prompts in SCDU screen |  | PASS/FAIL | |  |
| 28 | Login web UI as global user admin (“Admin Global” user) | | 1. It enters to home screen with 'Ventilation' in 'Class of Trade' field as default |  | PASS/FAIL | |  |
| 2. The other options of 'Class of Trade' field are: Compression, infrastructure and Vessel Sealing |  | PASS/FAIL | |  |
| 29 | Switch to Admin - User activities monitor page to search Compression Service Center Technician user latest activity | | There is one upgrade device record of device ‘Controller 1 serial number’ |  | PASS/FAIL | |  |
| There are two upgrade device records of device ‘controller 2 serial number’ with different host name (IP address) |  | PASS/FAIL | |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | | | |

### Cross Device Type

| **Test Procedure** | **Description** | **#** | **Steps** | | **Expected Result** | **Actual Results** | **Defect Id** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CreateCrossCoTUserTestProcedure | User scenario:  Create a user with both ventilator Field Service Technician and compression Service Center Technician role to upgrade different devices.  Pre-condition:   1. The user creation and training certification process are finished refer to [11] Add User Work Instruction (Training Record Sample on Pulse - <https://pulseconnect.covidien.com/docs/DOC-90662> ) | 1 | Login web UI as global admin (“Admin Global” user) | | It enters to home page with 'Ventilator' in Class of Trade field | PASS/FAIL |  |
| 2 | Switch to Admin - Users management and click 'Add new' button | | It goes to create new user page | PASS/FAIL |  |
| 3 | Check whether Pre-condition is finished | | The Pre-condition is finished successfully. | PASS/FAIL |  |
| 4 | Enter following fields:  Is the new user a Covidien employee: Yes  First name: Cross  Last name: DeviceType  Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(This will be captured during execution)   Country: United States  Language: English  Password: Auto Generate   Business Unit: Administrative  Then click Next button | | It will go to 'Add Roles and User Permissions' page | PASS/FAIL |  |
| 5 | Assign following privileges to the user:  Role: Ventilation Field Service Technician / Device Access: All production versions  Role: Compression Service Center Technician/ Device Access: All production versions  Set Field Service Technician as default Then click 'Create New user' button | | The cross device user is created successfully | PASS/FAIL |  |
| 6 | Click the Cross device user link on user management page | | It goes to edit user page | PASS/FAIL |  |
| 7 | Click 'Training Records' button to go to Manage Training Records page, and then add certified training records for SCD700 and PB980 device type. | | The training records of all device types are added correctly | PASS/FAIL |  |
| 8 | Login with web UI as the cross device type user | | 1. It goes to home screen with 'Ventilator' in Class of Trade field. | PASS/FAIL |  |
| 2. The other option of 'Class of Trade' field is Compression | PASS/FAIL |  |
| 9 | Go through each page of web UI with both class of trade | | When switching to ventilator class of trade, only device and reports pages are visible to the user | PASS/FAIL |  |
| When switching to compression class of trade, use has access to device & report page and has view only permission to hardware, software, document and configuration catalog page | PASS/FAIL |  |
| The blocks below are for test execution purpose only (left blank in Test Procedure document) | | | | | | | |
| Tester Signature: | | | | Test Execution Date: | | | |

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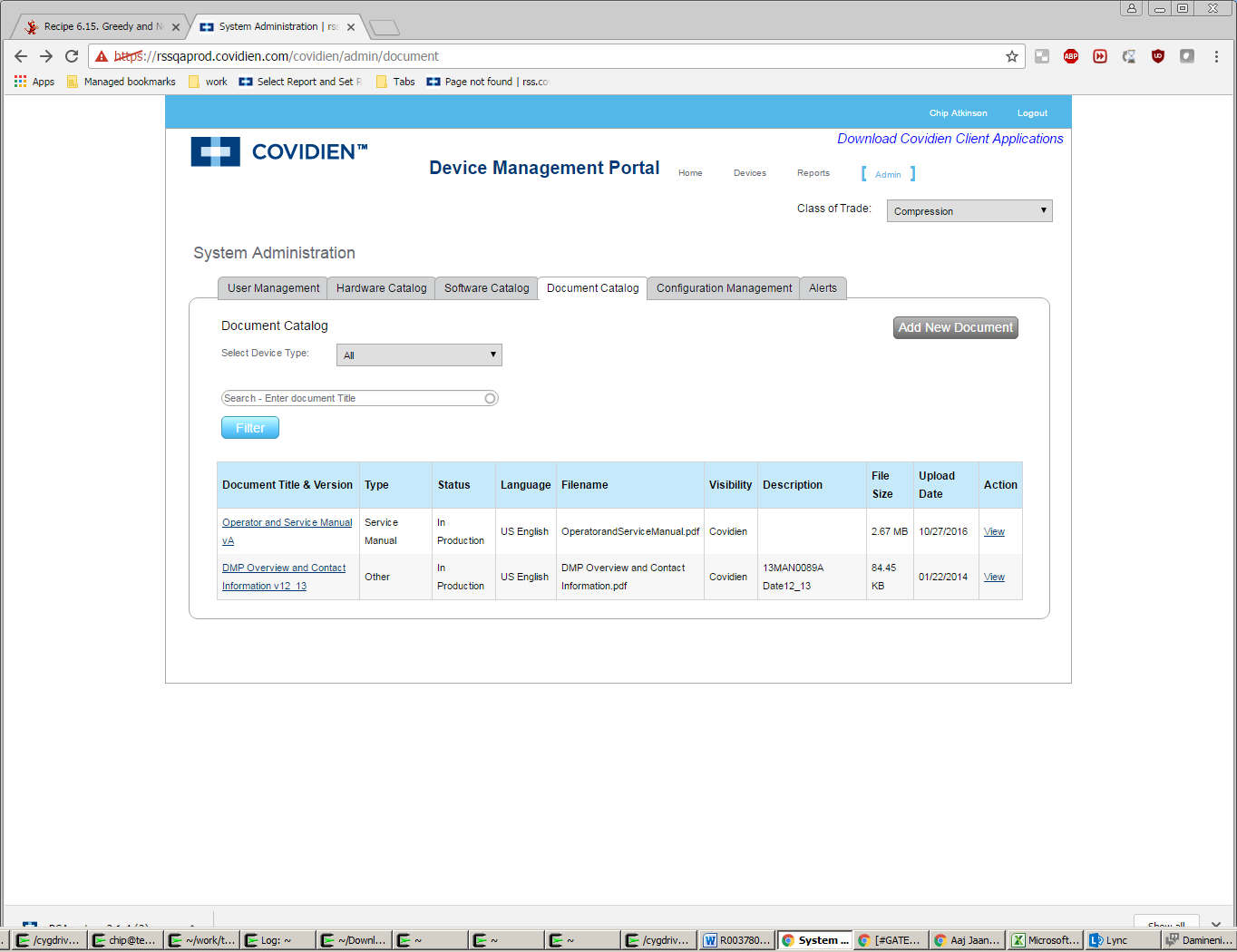
# Test Results

The test results for End to End testing of SCD 700 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.

# Chip's Test Notes

Test case: **DeviceManageTestProcedureForSCD700**, Step 12:

Operator and Service Manual size discrepancy:



Shows 2.67 MB.

Actual size: 4.7MB:  
atkinw1@TABOUD-ATKINCH /cygdrive/c/Program Files/Covidien/Device Management Agent/cache/COMPRESSION/SCD 700

$ ls -hl \*Operator\*.pdf

-rwxrwx---+ 1 Administrators SYSTEM 4.7M Dec 20 13:08 1477612480506\_OperatorandServiceManual.pdf\*

atkinw1@TABOUD-ATKINCH /cygdrive/c/Program Files/Covidien/Device Management Agent/cache/COMPRESSION/SCD 700

$ ls -l \*Operator\*.pdf

-rwxrwx---+ 1 Administrators SYSTEM 4914221 Dec 20 13:08 1477612480506\_OperatorandServiceManual.pdf\*

This problem originates from zipping (and encrypting?) up the pdf on the server and reporting the size of the zip file. The pdf that is downloaded is 4.7MB because it is uncompressed.

Test case: DownloadMissingSoftwareTestProcedureForSCD700, Step 11

Agent log entries:  
17 Jan 2017 11:20:13 [PurgeProcess@-1940978019] WARN com.covidien.laptopagent.e.b[b] - Deleting file: C:\Program Files\Covidien\Device Management Agent\cache\COMPRESSION\SCD 700\1481659572404\_SCD700\_Updater.config

17 Jan 2017 11:20:13 [PurgeProcess@-1940978019] WARN com.covidien.laptopagent.e.b[b] - Deleting file: C:\Program Files\Covidien\Device Management Agent\cache\COMPRESSION\SCD 700\1482186307126\_SCDUInstaller\_1\_1\_50\_release.exe

17 Jan 2017 11:20:13 [PurgeProcess@-1940978019] WARN com.covidien.laptopagent.e.b[b] - Deleting file: C:\Program Files\Covidien\Device Management Agent\cache\COMPRESSION\SCD 700\3fd648341519e168.zip

17 Jan 2017 11:20:13 [PurgeProcess@-1940978019] WARN com.covidien.laptopagent.e.b[b] - Deleting file: C:\Program Files\Covidien\Device Management Agent\cache\COMPRESSION\SCD 700\3feac312711a64f0.zip

Checksum, size, creation date, and name of the files that were deleted:

356b57323b6a90a347fbe6a6baf9b4c8b4692210 2794896 Jan 3 09:54 1482186307126\_SCDUInstaller\_1\_1\_50\_release.exe

00ff3bc41b0a4fcc122d2db10d98d25ab44341a1 13391 Jan 3 09:54 1481659572404\_SCD700\_Updater.config

9745162697246797037b06c0c2410c075b58babc 2769060 Jan 3 09:54 3fd648341519e168.zip

fd417bb1e3fdcc4abe7b6d03d32c495041aadb43 3216 Jan 3 09:54 3feac312711a64f0.zip\*

Correlating (by sha1 sum) files on the server with those in the SCD 700 cache directory, only the deleted files are not found on the server. This suggests that they are created by unzipping a downloaded file.

**In short, saying that the cache files are deleted is inaccurate**

Appendix A

**SCD 700 Controller – Device History Record**

Controller Serial Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Previous Device History Record is attachment to

Report Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Report Document Number and Revision\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Date | Starting SW Version | Ending  SW version | Name (Print) | Signature | Comments |
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