Event Capture System (ECS)

Graphical User Interface

Version Description Document (VDD)

Software Version 2.0

Patch EC\*2.0\*134



July 2017

Document Version 1.0

Department of Veterans Affairs (VA)

Office of Information and Technology (OI&T)

Document Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 7/27/2017 | 1.0 | Initial Document Release | TeamSMS/Leidos |

Deliverable (Product) Version History

| Date | Release / Revision | Description | Project Name | VA Department |
| --- | --- | --- | --- | --- |
| 7/27/2017 | EC\*2.0\*134 | ECS FY17 Annual Sustainment Patch | Event Capture Annual Sustainment Project | Office of Information & Technology (OI&T) |

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# General Configuration Management (CM) Information

Table 1 lists the general CM information for the proposed changes for the sustainment effort for Fiscal Year (FY) 17 to the Event Capture System (ECS) application Patch Release EC\*2.0\*134.

1. General CM Information

| Deliverable (Product) Name | Configuration Manager | VDD Package Name | Project Manager |
| --- | --- | --- | --- |
| EC\*2.0\*134 | Melissa Duquette, Configuration/Release Manager | Not Applicable (N/A) | Lisa Forren |

# Configuration Management (CM) Tools

Rational CM is a collaborative software development/delivery environment based on the Jazz technology platform from IBM. Rational CM provides software version control and workspace management, and supports parallel development. This product is part of the Office of Information and Technology (OI&T) Chief Information Officer (CIO)’s mandated standardized toolset for OI&T projects.

Table 2 describes where the project artifacts for ECS FY17 are located within Rational.

1. Configuration Management Tools

| CM Tools | CM Tool Location | Tool  Onsite/  Offsite | CM Tool Access  Point of Contact | Access Information (Forms or other access requirements) |
| --- | --- | --- | --- | --- |
| Rational DOORS Next Generation (RDNG) Requirements Management (RM) | Web Application | Onsite | VA Rational Tools Team | [Rational@va.gov](mailto:Rational@va.gov) |
| Change Configuration Management (CCM) | Web Application | Onsite | VA Rational Tools Team | [Rational@va.gov](mailto:Rational@va.gov) |
| Rational Quality Management (RQM) | Web Application | Onsite | VA Rational Tools Team | [Rational@va.gov](mailto:Rational@va.gov) |

# Configuration Management of Documents

Project-related documents are managed and controlled within the Rational Tool Suite. Final documentation deliverables are posted in the VA Software Document Library (VDL).

## Rational Change and Configuration Management (CCM) Documents

Table 3 details the CCM location for the ECS FY17 documents.

1. Rational CCM Information

| CCM Information | Explanation |
| --- | --- |
| **CCM URL** | [ECS (CM) Source Control](https://clm.rational.oit.va.gov/ccm/web) |
| **CCM Project Area** | Rational ECS (CM) Project Area |
| **CCM Team Area** | Sustainment Team |
| **CCM Stream** | ECS\_Docs\_EC\*2\*134 |
| **Baseline ID** | EC\*2.0\*134 |
| **Components** | Financial-Administrative Section of the VDL |
| **Directory Path** | <https://www.va.gov/vdl> |
| **Documents Included in the Baseline** | ECS\_FY17\_VDD\_v1.0  ECS\_FY17\_Installation Rollback Guide\_v1.0  ECS\_FY17\_User Guidel\_v1.0  ECS\_FY17\_Technical Manual\_v1.0 |

# Configuration Management Development Files

ECS development is completed in accounts created for and managed by the Albany Field Office (AFO). AFO has multiple accounts used by various development groups. The following subsections describe the CM development files.

## Rational Change and Configuration Management (CCM) Repository

Rational CM source control uses a secure repository that is hosted on a VA server and accessed by either a web client or an Eclipse Integrated Development Environment (IDE) client. The repository stores objects, such as streams, work items, and workspaces that manage change flow. It also stores controlled artifacts that represent and can be retrieved as files or folders in a file system. Table 4 lists the CCM information for the development files (source).

1. CCM Information

| CCM Information | Explanation |
| --- | --- |
| **CCM URL** | [ECS (CM) Source Control](https://clm.rational.oit.va.gov/ccm/web) |
| **CCM Project Area** | Rational CCM ECS FY17 Project Area |
| **CCM Team Area** | Sustainment Team |
| **CCM Stream** | ECS(CM) Source Stream |

### Baseline and Component

Prior to the start of development, a baseline snapshot of Delphi and Massachusetts General Hospital Utility Multi-Programming System (MUMPS) source code was created and posted to Rational CM. Additional snapshots are created and posted throughout the development cycle. Table 5 lists the baseline details for ECS FY17.

1. Development Files Baseline Details

| Name | Description |
| --- | --- |
| EC\*2.0\*131 (FY16 Release Build 11) | This was the initial baseline for FY17 development |
| EC\*2.0\*134 (FY17 Product Build 1) | This baseline included development completed in Sprints 1-3 |
| EC\*2.0\*134 (FY17 Product Build 2) | This baseline included development completed in Sprints 4-6 |
| EC\*2.0\*134 (FY17 Product Build 3) | This baseline included development completed in Sprints 7-9 |
| EC\*2.0\*134 (FY17 Release Build 1) | This baseline included development completed in Sprint 10 |
| EC\*2.0\*134 (FY17 Release Build 2) | This baseline included development completed in Sprint 11 |

### Build Information

Builds are performed in the Veterans Health Information Systems and Technology Architecture (VistA) development account(s) for the MUMPS code. Builds will be performed using selected versions of the formally submitted source code contained within the Development Repositories. General build information that results from the build process is maintained in the ECS (CM) repository as detailed in Table 6.

1. Build Information

| Name | Description |
| --- | --- |
| **Build Output** | The ECS build process does not generate output. |
| **Build Output Directory** | VistA Patches and Graphical User Interface (GUI) executable CI are released in FORUM using Packman messages. |
| **Target Deployment Location** | Enterprise-wide National Release (July 2017) |

### CCM Build Definition

The Product Component build uses the approved product design and all applicable standards, tool sets, and environments. Table 7 describes the ECS FY17 build.

1. CCM Build Definition

| Name | Description |
| --- | --- |
| EC\*2.0\*134 | Release Build 2 |

### Build Label or Number

Each build label represents a date and time-sensitive baseline ID within the Software Configuration Management (SCM) environment that supports logging, reporting, and restoration capabilities. The Package Build consists of the individual application components, and the System Build (Release Packages) includes all packages that comprise the entire release for the specific environment.

Table 8 lists the identifier for the derived object or package produced for deployment and/or install for ECS FY17.

1. Build Label or Number

| Name | Description |
| --- | --- |
| EC\*2.0\*134 | ECS version 2.0, Patch 134  ECS FY17 Annual Sustainment Patch |
| RB2 | Incrementally numbered release builds. Release Build (RB) 1, RB2, etc. (Public-Facing) |
| 2.4.0.0 | Internal client version number |

# Build and Packaging

The methods of packaging and rules concerning management of a release are determined by OI&T Release Management, working with Product Management to meet the needs of the development team, along with consideration for the operational needs for accepting the product. For VA products being developed, the primary form of a release candidate will be in the form of an electronically packaged release.

## Build Log

The build log is found in the ECS (CM) project under the ECS\_Src stream.

## Build System/Process Information

The Event Capture (EC) MUMPS code does not have a build process. The GUI EXE is built using the Delphi IDE. The Kernel Installation and Distribution System (KIDS) is used to manually bundle all of the code for distribution. The builds are then sent to FORUM where they become the basis of the patch that is sent to the sites for installation.

# Change Tracking

Change tracking identifies a set of work product versions created to resolve a specific Change Request.

Table 9 lists the Change Tracking information.

1. Change Tracking Information

| Change Tracking Tool | Change Tracking Tool Location | Tool  Onsite/  Offsite | Change Tracking Tool Access /  Point of Contact (POC) | Access Information  (Forms or other access requirements) |
| --- | --- | --- | --- | --- |
| Rational (CM) | Web Application | Onsite | VA Rational Tools Team | [Rational@va.gov](mailto:Rational@va.gov) |

## Rational Change and Configuration Management (CCM) Repository

Table 10 provides details for the CCM Repository used for Change Tracking.

1. Rational CCM Change Tracking Repository Information

| CCM Information | Explanation |
| --- | --- |
| **CCM URL** | [ECS (CM) Project Dashboard](https://clm.rational.oit.va.gov/ccm/web) |
| **CCM Project Area** | ECS(CM) Project Area |
| **CCM Team Area** | Sustainment Team |

Table 11 provides details for the ECS FY17 Work Items.

1. Work Items

| Work Item ID | Summary |
| --- | --- |
| 795567 | As any user, I can resize forms with grids while maintaining optimal cell width. |
| 795571 | As any user, I want to see the associated clinic name, stop code, credit stop, and CHAR4 code on the Patient Summary Report. |
| 795574 | As a spreadsheet user, I want the system to disregard the Decision Support System (DSS) Unit number column. |
| 795578 | As any user, I want the labels on the service connected questions to be consistent. |
| 800130 | As any user, I can adjust the form to view the data that is outside the boundary of the grid. |
| 800131 | No matter what application I was previously using, I want any ECS Report to display in the foreground when it has completed. |
| 800133 | As a user, I want the Institution File Locations listed to accurately reflect the names of the facilities. |
| 800134 | As a user with only a user class (not a person class), I want to be selectable as a provider. |
| 800135 | As a screen reader user I want all screens to work properly with the screen reader. |
| 800424 | As any user, when I generate reports that any user can run, the reports will not contain test patient data |
| 800426 | As any user, I want to see the associated clinic name, stop code, credit stop, and CHAR4 code on the DSS Unit Activity Report. |
| 800443 | As any user, I want to see what I am typing. |
| 800445 | As a spreadsheet user, I want the mechanism for deleting a row to be consistent with Windows standards. |
| 800446 | As a spreadsheet user, I want the edit menu items to be consistent with Windows standards. |
| 800462 | As a user holding the ECMGR key, I want to be able to delete a Current Procedural Terminology (CPT) code from an existing, local EC procedure code. |
| 800463 | As a provider user, I want the default provider field to be correctly managed based on type of DSS unit and class of user. |
| 800464 | As a user, I want the data entered into Event Capture to be transmitted and accepted by Patient Care Encounter (PCE) when the DSS Unit is send all records. |
| 800465 | As a spreadsheet user I want a list of all errors. |
| 800466 | As an EC manager, I want to be able to search for a specific location. |
| 800468 | As any user, I want the time to be accurate when entering workload. |
| 800470 | As any user, I want the visit data on the same procedure multiple patients screen to remain static when entering additional patients. |
| 843502 | As any user, I want the Help Text to be current. Update all Help Text so that it reflects all changes made to the software. |
| 843503 | As any user, I want ECS documentation deliverables to be current. Update the ECS User Manual so that it reflects all changes made to the software. |
| 889686 | As a user, when I run the ECS extract, I want State Veteran Home records entered since the last run included. |

# Release (Deployment) Information

The VIP Release management process is required for any release into production environments, for all national releases (limited or widespread), and for all releases that might have a national impact.

The Release Coordinator (RC) is responsible for coordinating the activities for the national release of the product or patch, representing Health Product Support (HPS) for the product or patch release. This includes working with the appropriate Sustainment Manager (SM) to ensure a smooth and successful transition of the product from development to sustainment. This project is using the Initial Operating Capability (IOC) model.

Table 12 lists the release (deployment) POC information.

1. Release (Deployment) POC Information

| Release Identification | Release Package POC Name | Release Package POC Email |
| --- | --- | --- |
| EC\*2.0\*134 RB2 | Theresa C. Morris  HPS Release Coordinator | Theresa.Morris@va.gov |

Table 13 lists the release package information for ECS FY17.

1. Release Package Information

| Release Package (Component) Identified | Release Package Description | Release Package Delivery Method | Release Package Location Identified |
| --- | --- | --- | --- |
| EC\*2.0\*134 | KIDS Build ECS FY17 annual sustainment update | FORUM KIDS Build | FORUM.MED.VA.GOV |

###### Acronyms

Table 14 lists the acronyms used in this document.

1. Acronym Table

| Acronym | Description |
| --- | --- |
| AFO | Albany Field Office |
| CCM | Change Configuration Management |
| CIO | Chief Information Officer |
| CM | Configuration Management |
| CPT | Current Procedural Terminology |
| DSS | Decision Support System |
| EC | Event Capture |
| ECS | Event Capture System |
| FY | Fiscal Year |
| GUI | Graphical User Interface |
| HPS | Health Product Support |
| IBM | International Business Machines |
| ID | Identification |
| IDE | Integrated Development Environment |
| IOC | Initial Operating Capability |
| KIDS | Kernel Installation and Distribution System |
| MUMPS | Massachusetts General Hospital Utility Multi-Programming System |
| N/A | Not Applicable |
| OI&T | Office of Information and Technology |
| PCE | Patient Care Encounter |
| POC | Point of Contact |
| RB | Release Build |
| RC | Release Coordinator |
| RDNG | Rational DOORS Next Generation |
| RM | Requirements Management |
| RQM | Rational Quality Management |
| SCM | Software Configuration Management |
| SM | Sustainment Manager |
| URL | Uniform Resource Locator |
| VA | Department of Veterans Affairs |
| VDD | Version Description Document |
| VDL | VA Software Document Library |
| VistA | Veterans Health Information Systems and Technology Architecture |