

**Event Capture System (ECS)
Graphical User Interface**

Version Description Document (VDD)

**Software Version 2.0
Patch EC*2.0*139**



July 2018

Document Version 1.0

**Department of Veterans Affairs (VA)
Office of Information and Technology (OI&T)**

Document Revision History

Date	Version	Description	Author
7/20/2018	1.0	Initial Document Release	TeamSMS/Leidos

Deliverable (Product) Version History

Date	Release / Revision	Description	Project Name	VA Department
7/20/2018	EC*2.0*139	ECS FY18 Annual Sustainment Patch	Event Capture Annual Sustainment Project	Office of Information & Technology (OI&T)

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1 General Configuration Management (CM) Information

Table 1 lists the general CM information for the proposed changes for the sustainment effort for Fiscal Year (FY) 18 to the Event Capture System (ECS) application Patch Release EC*2.0*139.

Table 1: General CM Information

Deliverable (Product) Name	Configuration Manager	VDD Package Name	Project Manager
EC*2.0*139	Viktoriya Solomatin, Configuration/Release Manager	Not Applicable (N/A)	Daniel Liedl

2 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 FY18 are located within Rational.

Table 2: 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
Change Configuration Management (CCM)	Web Application	Onsite	VA Rational Tools Team	Rational@va.gov
Rational Quality Management (RQM)	Web Application	Onsite	VA Rational Tools Team	Rational@va.gov

3 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).

3.1 Rational Change and Configuration Management (CCM) Documents

Table 3 details the CCM location for the ECS FY18 documents.

Table 3: Rational CCM Information

CCM Information	Explanation
CCM URL	ECS (CM) Source Control
CCM Project Area	Rational ECS (CM) Project Area
CCM Team Area	Sustainment Team
CCM Stream	ECS_Docs_EC*2*139
Baseline ID	EC*2.0*139
Components	Financial-Administrative Section of the VDL
Directory Path	https://www.va.gov/vdl
Documents Included in the Baseline	ECS_FY18_VDD_v1.0 ECS_FY18_Installation Rollback Guide_v1.0 ECS_FY18_User Guide_v1.0 ECS_FY18_Technical Manual_v1.0

4 Configuration Management Development Files

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

4.1 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).

Table 4: CCM Information

CCM Information	Explanation
CCM URL	ECS (CM) Source Control
CCM Project Area	Rational CCM ECS FY18 Project Area
CCM Team Area	Sustainment Team
CCM Stream	ECS(CM) Source Stream

4.1.1 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 FY18.

Table 5: Development Files Baseline Details

Name	Description
EC*2.0*134 (FY17 Release Build 11)	This was the initial baseline for FY18 development
EC*2.0*139 (FY18 Product Build 1)	This baseline included development completed in Sprints 1-3
EC*2.0*139 (FY18 Product Build 2)	This baseline included development completed in Sprints 4-6
EC*2.0*139 (FY18 Product Build 3)	This baseline included development completed in Sprints 7-9
EC*2.0*139 (FY18 Release Build 1)	This baseline included development completed in Sprint 10
EC*2.0*139 (FY18 Release Build 2)	This baseline included development completed in Sprint 11

4.1.2 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.

Table 6: 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 are released in FORUM using Packman messages.
Target Deployment Location	Enterprise-wide National Release (July 2018)

4.1.3 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 FY18 build.

Table 7: CCM Build Definition

Name	Description
EC*2.0*139	Release Build 2

4.1.4 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 FY18.

Table 8: Build Label or Number

Name	Description
EC*2.0*139	ECS version 2.0, Patch 139 ECS FY18 Annual Sustainment Patch
RB2	Incrementally numbered release builds. Release Build (RB) 1, RB2, etc. (Public-Facing)
2.5.0.0	Internal client version number

5 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.

5.1 Build Log

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

5.2 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.

6 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.

Table 9: 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

6.1 Rational Change and Configuration Management (CCM) Repository

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

Table 10: Rational CCM Change Tracking Repository Information

CCM Information	Explanation
CCM URL	ECS (CM) Project Dashboard
CCM Project Area	ECS(CM) Project Area
CCM Team Area	Sustainment Team

Table 11 provides details for the ECS FY18 Business User Stories.

Table 11: Business User Stories

Rational ID	Summary
807670	As any user, I want a speed button for Change Duplicate Threshold on the main spreadsheet form.
807688	As any user, I want speed button icons on the main spreadsheet form left of the appropriate command menu item.
822950	As a spreadsheet user, whenever the spreadsheet import form is closed, I want any existing data in the import grid to be cleared.
828613	As a spreadsheet user, I request that only STA6A be used for Location identification so that lookup inaccuracies will not occur.
836693	As any user, in the three data entry forms I want the data entry flow to require the minimum amount of data re-entry. In addition I want the interface to be as responsive as possible during control data refreshes.
842456	As a spreadsheet user I want my cursor to remain visible while editing cell contents on the spreadsheet so that I can see what I am typing.

Rational ID	Summary
885705	As any user, I don't want to be able to invoke the application without proper authentication.
912228	As a Manager user I want the default sort of locations with Current Locations at the top then the rest to be sorted alphabetically.
914347	As any user I would like to persist the column width ratios of primary grids between invocations.
914351	As any user I would like to have more potential Provider candidates visible on all three data entry options in order to allow easier Provider selection.
916687	As a Manager user I want to be able to allow or disallow duplicate entry overrides by DSS Unit
916688	As a user, I want to be able to send Occasion of Service workload to PCE
916689	As a user, I want a report that shows late filed SVH entries and the extract month they will be included in.
916692	As a Manager user I need the ability to select active, inactive, or both DSS Units and then select one, all or multiple DSS Units on the Print Category and Procedure Summary report.
916693	As a user I want to see the MCA Labor Code on the Event Code Screens with CPT Code report for print and export versions.
916694	As a user, I want to be able to use MS 365 to upload spreadsheets
916695	As a user, I want to be able to export reports with MS 365
916696	As a user, I want the user manual to be up to date.
916697	As a user, I want IMKM to be complete and accurate
916897	As a user I want to see the CL-V question on all data entry screens as a placeholder, so it is ready for future programming.
919691	As a spreadsheet user, I want the column names on the spreadsheet upload grid to match the column names on the EC Template (so they also match the components on the DSS Unit).
920917	As a user, I want to know the date and time ECS entries are made.
921905	As a Manager user I would like to add a Synonym and an Associated Clinic field to the Event Code Screens with CPT Codes printed report.
921906	As a Manager user I would like to add a Synonym and an Associated Clinic field to the Event Code Screens with CPT Codes exported report.

Rational ID	Summary
921907	As a Manager user I would like the "Select" label to read "CPT Codes" in the selection parameters on the Event Code Screens with CPT Codes report.
921909	As a Manager user I need the "Select" label to read "Event Code Screens" on the report selection interface for the Print Category and Procedure Summary report.
921913	As a user I want to see the MCA Labor Code on the Event Capture Encounters Report for print and export versions.
921914	As a user I want to see the MCA Labor Code on the Patient Summary Report for print and export versions.
921915	As a user I want to see the MCA Labor Code on the Disabled Category and Procedure Summary Report for both print and export versions.
921916	As a user I want to see the MCA Labor Code on the Print Category and Procedure Summary Report for both print and export versions.
921917	As a user I want to see the MCA Labor Code, Credit Stop and CHAR4 on the PCE Data Summary Report for both print and export versions.

7 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.

Table 12: Release (Deployment) POC Information

Release Identification	Release Package POC Name	Release Package POC Email
EC*2.0*139 RB2	Theresa C. Morris HPS Application Coordinator	Theresa.Morris@va.gov

Table 13 lists the release package information for ECS FY18.

Table 13: Release Package Information

Release Package (Component) Identified	Release Package Description	Release Package Delivery Method	Release Package Location Identified
EC*2.0*139	KIDS Build ECS FY18 annual sustainment update	FORUM KIDS Build	FORUM.MED.VA.GOV

Appendix A Acronyms

Table 14 lists the acronyms used in this document.

Table 14: Acronym Table

Acronym	Description
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
OIFO	Office of Information Field Office
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

