

**Version Description Document (VDD)**  
**Event Capture System (ECS) Graphical User Interface**

**Software Version 2.0**

**Patch EC\*2.0\*148**



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**Document Version 1.0**

**Department of Veterans Affairs**

## Document Revision History

Date	Version	Description	Author
5/13/2020	1.0	Initial document release for EC*2.0*148	LibertyIT Solutions

## VistA Patch Test Version History

GUI Application Version EC*2.0*148	Test Version	Internal Client Version 2.6.0.0
Release Build 1 (RB1)	1	1

VA requires the Version Description Document (VDD) to identify, maintain, enhance, and recreate the product (IT asset) throughout its lifecycle. The VDD reinforces strong risk management practices and helps protect VA from loss of the product (IT asset), which is especially important with a regular rotation of personnel and contractors.

The VDD is a mandated document that will be verified prior to Release.

The VDD is the authoritative inventory and roadmap of all Configuration Items that make up the deployable product/system. Configuration Items include source code files, builds/packaging, tools, baselines, locations, and associated product files. The VDD is itself a Configuration Item maintained under change control in the TRM-approved configuration management system, which is part of the VA Federated Configuration Management Data Base (CMDB).

Project Managers (PMs) and Configuration Managers use the VDD template as a tool for managing Configuration Items and baselines associated with the deployable product. It is the responsibility of the PM to ensure the processes are followed within the product build process (ProPath, Product Build: BLD-1 Develop Product Component). The expectation is for the VDD to be controlled as a source file with one VDD per Product. There may be multiple versions being managed within the SCM repository, all following the baseline process. The IT Configuration Managers (or IT Architect/Development Leads) ensure that creation and modification of the Product's VDD is integrated with any parallel activities being performed on the said product. The Configuration Manager creates/updates the VDD each time the deliverable (file set) leaves the development environment, such as for testing or deployment. The VDD is the representation and result of the Software Configuration Management Procedures being followed. The Product's Procedures, along with work instructions, are to be created and maintained by the IT Configuration Managers (or IT Architect/Development Leads). For product procedure information, refer to the Software Configuration Management Procedures Template (ProPath, Project Planning: PRP 3.7). The PM is responsible for ensuring the Configuration Manager maintains versions of the VDD and deliverables (files) in the TRM-approved configuration management system.

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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) 20 to the Event Capture System (ECS) application Patch Release EC\*2.0\*148.

**Table 1: General CM Information**

Deliverable (Product) Name	Configuration Manager	VDD Package Name	Project / Delivery Team
EC*2.0*148 RB1 T1	Angela Rutherford Configuration/Release Manager	Not Applicable (N/A)	Event Capture System (ECS) / HSP

## 1.1 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 FY20 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)	Hines Data Center	Onsite	VA Rational Tools Team	<a href="mailto:Rational@va.gov">Rational@va.gov</a> <a href="https://vaww.oed.portal.va.gov/communities/OSCTM/toolsmgmt/Rational%20Tools/Pages/SR.aspx">https://vaww.oed.portal.va.gov/communities/OSCTM/toolsmgmt/Rational%20Tools/Pages/SR.aspx</a>
Rational Team Concert (RTC)	Hines Data Center	Onsite	VA Rational Tools Team	<a href="mailto:Rational@va.gov">Rational@va.gov</a> <a href="https://vaww.oed.portal.va.gov/communities/OSCTM/toolsmgmt/Rational%20Tools/Pages/SR.aspx">https://vaww.oed.portal.va.gov/communities/OSCTM/toolsmgmt/Rational%20Tools/Pages/SR.aspx</a>
Rational Quality Management (RQM)	Hines Data Center	Onsite	VA Rational Tools Team	<a href="mailto:Rational@va.gov">Rational@va.gov</a> <a href="https://vaww.oed.portal.va.gov/communities/OSCTM/toolsmgmt/Rational%20Tools/Pages/SR.aspx">https://vaww.oed.portal.va.gov/communities/OSCTM/toolsmgmt/Rational%20Tools/Pages/SR.aspx</a>

## 2. 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).

### 2.1 Rational Team Concert (RTC) Documents

Table 3 details the RTC location for the ECS FY20 documents.

**Table 3: Rational Team Concert Documents Information**

RTC Information	Explanation
<b>RTC URL</b>	<a href="#">ECS (CM) Source Control</a>
<b>RTC Project Area</b>	Rational ECS (CM) Project Area
<b>RTC Team Area</b>	Sustainment Team
<b>RTC Stream</b>	ECS_Docs (ECS (CM)) ECS_Src (ECS (CM))
<b>Baseline ID</b>	EC_2_148
<b>Components</b>	ECS_Docs_EC_2_148 Release Baseline ECS_Src_EC_2_148 Release Baseline
<b>Directory Path</b>	<a href="https://www.va.gov/vdl">https://www.va.gov/vdl</a>
<b>Documents Included in the Baseline</b>	Baseline ECS_Docs_EC_2_148 Release Baseline contains: ECS_VDD.docx ECS_VDD.pdf ECS_DIBR.docx ECS_DIBR.pdf ECS_UG.docx ECS_UG.pdf ECS_TM.docx ECS_TM.pdf

## 3. 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.

### 3.1 Rational Team Concert (RTC) Repository

Rational Team Concert 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 RTC information for the development files (source).

**Table 4: Rational Team Concert Repository Information**

RTC Information	Explanation
RTC URL	<a href="#">ECS (CM) Source Control</a>
RTC Project Area	Rational RTC ECS FY20 Project Area
RTC Team Area	N/A
Stream	ECS_Docs (ECS (CM)) ECS_Src (ECS (CM))

## 4. 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 is created and posted to Rational RTC. Additional snapshots are created and posted throughout the development cycle. Table 5 lists the baseline details for ECS FY20.

**Table 5: Development Files Baseline Details**

Name	Description
EC*2.0*148 (FY20 Release Build 1 for UFT)	This was the initial baseline for FY20 development

## 5. 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
<b>Build Output</b>	The ECS build process does not generate output.
<b>Build Output Directory</b>	VistA patches are released in FORUM using Packman messages.
<b>Target Deployment Location</b>	Enterprise-wide National Release (July 2020) Install Location - AITC

## 6. RTC Build Definition

The Product Component build uses the approved product design and all applicable standards, tool sets, and environments. Table 7 describes the ECS FY20 build.

**Table 7: RTC Build Definition**

Name	Description
EC*2.0*148 RB1 T1	Patch EC*2.0*148 Release Build 1 Test Version 1

## 7. 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 FY20.

**Table 8: Build Label or Number**

Name	Description
EC*2.0*148 RB1 T1	ECS Version 2.0, Patch 148; ECS FY20 Annual Sustainment Patch Incrementally numbered release builds. Release Build (RB) 1, RB2, etc. (Public-Facing) Test Version 1
2.6.0.0	Internal Client Version Number

## 8. 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.

### 8.1 Build Log

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

### 8.2 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 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.

## 9. 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)	Plan Name	Access Information (Forms or other access requirements)
Rational Team Concert (RTC)	Hines Data Center	Onsite	VA Rational Tools Team	<a href="#">ECS FY20 Backlog</a>	<a href="mailto:Rational@va.gov">Rational@va.gov</a>  <a href="https://vawww.oed.portal.va.gov/communities/OSCTM/toolsmgmt/Rational%20Tools/Pages/SR.aspx">https://vawww.oed.portal.va.gov/communities/OSCTM/toolsmgmt/Rational%20Tools/Pages/SR.aspx</a>

### 9.1 Rational Team Concert (RTC) Repository

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

**Table 10: Rational Team Concert Change Tracking Repository Information**

RTC Information	Explanation
RTC URL	<a href="#">ECS (CM) Project Dashboard</a>
RTC Project Area	ECS(CM) Project Area
RTC Team Area	Sustainment Team

### 9.2 Changes Since Last VDD

Table 11 provides details for the ECS FY20 Rational Team Concert work items reflecting the changes made to the application.

**Table 11: Rational Team Concert Work Items**

Work Item ID	Summary
1117172	FY20-02 As a user, I want the ability to do a text search in a report preview window
1116302	FY20-03 As a user, I need the State Veterans Home Name for all SVH entries.

## 10. 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 national impact.

The Health Services Portfolio (HSP) Application Coordinator (AC) is responsible for coordinating the activities for the national release of the product or patch, representing Health Services Portfolio 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*148 RB1 T1	Theresa C. Morris HSP Application Coordinator	Theresa.Morris@va.gov

Table 13 lists the release package information for ECS FY20.

**Table 13: Release Package Information**

Release Package (Component) Identified	Release Package Description	Release Package Delivery Method	Release Package Location Identified
EC*2.0*148 T1	KIDS Build ECS FY20 annual sustainment update	FORUM KIDS Build	FORUM.MED.VA.GOV Physical Location – AITC
EC_2_P148.zip	ECS GUI Application file	Distributed to Installation Teams	VistA Site Directory

# Appendix

## Acronyms

Table 14 lists the acronyms used in this document.

**Table 14: Acronym Table**

Acronym	Description
AC	Application Coordinator
CCM	Change Configuration Management
CIO	Chief Information Officer
CM	Configuration Management
EC	Event Capture
ECS	Event Capture System
FY	Fiscal Year
GUI	Graphical User Interface
HSP	Health Services Portfolio
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
PM	Project Manager
POC	Point of Contact
RB	Release Build
RDNG	Rational DOORS Next Generation
RM	Requirements Management
RQM	Rational Quality Management
RTC	Rational Team Concert
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