Alert Watch and Response Engine (AWARE)

**Version Description Document/Release Notes**

AWARE Version 1.1.10 Test Environment

for

VA Long Beach Healthcare System in Long Beach



**July 2015**

Prepared by Harris Corporation

Revision History

| Creation Date | Version No. | Description/Comments | Author(s) | Reviewer(s) | Review Type | Issue Date |
| --- | --- | --- | --- | --- | --- | --- |
| 06/24/2015 | 0.01 | Release of AWARE Version 1.1.10 for VA Long Beach Healthcare System in Long Beach to the Test Environment. | L. Glance |  |  | 07/31/2015 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Artifact Rationale

The Version Description Document (VDD) is the primary configuration control document used to track and control versions of software to be released to the operational environment. It is a summary of the features and contents for the software build. It identifies and describes the version of the software being delivered, including all changes to the software since the last VDD was issued. Every release of the software (including the initial release) shall be described by a VDD. Without this document, it would be nearly impossible to move an application or system from development to deployment reliably. Therefore the document is mandatory for each deployment.

Table of Contents

[1 Scope 1](#_Toc426037511)

[2 Version Description 1](#_Toc426037512)

[3 Change Request Reports 2](#_Toc426037513)

[4 Release Inventory 3](#_Toc426037514)

[4.1 Electronic Media Released 3](#_Toc426037515)

[4.2 Physical Media Released 3](#_Toc426037516)

[5 Associated Supporting Documentation 3](#_Toc426037517)

[6 Certification 4](#_Toc426037518)

[7 Appendix A - Release Notes 5](#_Toc426037519)

[7.1 Introduction 5](#_Toc426037520)

[7.1.1 Purpose 5](#_Toc426037521)

[7.1.2 Audience 5](#_Toc426037522)

[7.2 This Release 5](#_Toc426037523)

[7.2.1 Features and Functionality 5](#_Toc426037524)

[7.3 Upgrades 5](#_Toc426037525)

[7.4 Known Issues 5](#_Toc426037526)

[7.5 Product Documentation 6](#_Toc426037527)

List of Tables

[Table 1 – Change Requests for This Release 2](#_Toc426037528)

[Table 2 - Inventory of Release Components 3](#_Toc426037529)

[Table 3 - Associated Supporting Documentation 3](#_Toc426037530)

[Table 4 – New AWARE Test Build Enhancement 5](#_Toc426037531)

# Scope

This Version Description Document (VDD) is the documentation provided by the Harris Configuration Management (CM) Manager to certify the integrity of the Alert Watch and Response Engine (AWARE) software deliverable that is being installed at the VA Long Beach Healthcare System in Long Beach, CA for the Test environment. This document pulls together all the approved Change Requests (CR) for all source code and electronic documentation deliverables for the AWARE Version 1.1.10. CM certifies that the delivery has been assembled under Harris standard process and has the integrity required based on the control, review, and audit procedures inherited in Harris CM processes.

The VDD is an inventory document for the AWARE Version 1.1.10, similar to a packing list for a received shipment, or a bill of lading. It itemizes the current Test build baseline for recent deliverables in terms of implemented change requests. The build level version inventory for each installer is listed in Section 2.

Appendix A contains the Release Notes that highlight the major functional or operational changes.

# Version Description

AWARE Version 1.1.10 consists of the product build from the AWARE Subversion (SVN) Version Control tool, all documentation, and applicable release notes produced to date by the AWARE team for VA. This includes final, customer accepted versions of documentation. All software configuration items are contained in the AWARE SVN Version Control tool Deployment folder in the VA VHA Innovation Sandbox, tagged as “AWARE Version 1.1.10”; all delivered software documentation is contained in the Harris SharePoint site. The executables were made with CM involvement, and therefore CM certifies the ability to reproduce it. All artifacts used to produce this delivery are in the CM Subversion repository and were managed by CM for producing the deliverable following CM processes and procedures.

The package named “AWARE Version 1.1.10 Test” consists of the following files to describe this release:

* VDD and Release Notes: T4\_AWARE\_VersionDD-V1.1.10\_LongBeach\_Test.docx
* *AWARE\_v1.1.10\_LongBeach\_Test.zip* containing the following installer files with date and time created, size, and SVN revision:

07/28/2015 11:49 AM 10,340,040 AwareDLLInstaller-LON.exe SVN 535

07/23/2015 12:48 PM 74,979 KIDS\_AWARE\_LON\_v\_1\_10.zip SVN 527

07/23/2015 12:48 PM 75,376 KIDS\_AWARE\_LON\_v\_1\_10\_VMS.zip SVN 527

07/23/2015 12:48 PM 240,437 KIDS\_REMINDER\_DIALOGS\_v\_1\_10.zip SVN 527

07/23/2015 12:48 PM 241,890 KIDS\_REMINDER\_DIALOGS\_v\_1\_10\_VMS.zip SVN 527

07/28/2015 11:50 AM 86,495 QI\_Database\_v\_1\_7.zip SVN 537  
07/28/2015 11:51 AM 1,018,567 QI\_Manager\_v\_1\_7.zip SVN 538  
07/28/2015 11:51 AM 2,058,039 QI\_Reports\_v\_1\_7.zip SVN 539  
07/28/2015 11:50 AM 16,850 QI\_AWARE\_SQL\_Transporter\_v\_1\_7.zip SVN 536

07/28/2015 11:54 AM 273,097 vefa\_csp\_v\_1\_9.xml SVN 540

07/28/2015 11:47 AM 273,173 vefa\_csptest\_v\_1\_9.xml SVN 531  
07/28/2015 11:54 AM 1,583,104 vefa\_IIS\_v\_1\_7.zip SVN 541

07/28/2015 11:48 AM 321,472 AWARE\_Prod\_Update\_CSP\_V\_1\_9.docx SVN 532

07/28/2015 11:48 AM 318,845 AWARE\_Test\_Update\_CSP\_V\_1\_9.docx SVN 533

There was no change to the installer file. Installation instructions are provided for updating Cache Server Page (CSP) for the Test Account. Refer to Section 7.3 of this document for upgrade instructions.

AWARE Version 1.1.10 will be installed at the VA Long Beach Healthcare System in Long Beach, CA. Files can be extracted from the local Long Beach server, VHALONAPP7 on C:\AWARE\_INSTALLATION\_SOFTWARE folder.

# Change Request Reports

Harris only lists Change Requests relative to the latest baseline in this document. Harris will provide direct reference to Change Requests when necessary.

Table 1 – Change Requests for This Release

|  |  |
| --- | --- |
| **Change Request ID** | **Summary** |
| CR-70 | “Update the Alert Viewer Status Details Tab Patient ID Field”    Changed the Patient ID Field to display first Initial of Patient’s Last Name and the last four digits of the Patients Social Security Number. |
| CR-71 | “Patch 1.1.9 did not fix the Ordering provider for Abnormal Imaging Alerts”  Corrected Routine VEFAALR1 so it selects the correct Ordering Provider when an Abnormal Imaging Alert has more than one Alert Recipient. Corrected Routine VEFAALR1 so exact combinations of Alert Categories and Alert Types are found to build entries in the Alert Cache". "Save the Requesting Physical from the RAD/NUC file. Make logic use an “=” relation instead of a “[“. |
| CR-72 | “After installing patch 1.1.9 the Clinic Field displays “?” for all Abnormal Imaging Alerts”  Corrected Routine VEFAALR9 and VEFAALRC so that the ”Clinic” field is found with an Abnormal Imaging Alert type. Save the Requesting Location value as well as the Primary Diagnostic Code field value from the from the RAD/NUC file. |
| CR-73 | “Update AWARE SQL when valid Alert Follow-Up is created”  If an Alert is greater than 14 days old and less than 31 days old and a Provider creates a valid AWARE Follow-Up Action the SQLTRANSPORTER will update the AWARE SQL Database with all the follow-up data.  Corrected Routine VEFAALR7 so that the 14-30 day alerts still w/o follow-up will be refreshed into the SQL tables for use by the QI tools for any updated alert status including any new follow-up actions made before they are truncated from the Alert Cache at the end of this period.  Updated Routine VEFAALRC so that the alerts within 14-30 day period still w/o follow-up will be refreshed with proper updated values including alert status and any new follow-up actions." Changed update range for RPC with SQL transporter to include the 14-30 day period for these alerts for any updates during this period. For remaining alert w/o follow-up actions in the Alert Cache from 14-30 days, updated the Alert Cache with their Ordering Provider with Service, Clinic, Alert Creator, and Alert Value, Alert Status, or any new follow-up actions taken. |
| CR-74 | “Result Tab displays incorrect Alert Created By value”  Corrected Routine VEFAALR9 and VEFAALRC so that an Alert Creator is found with an Abnormal Imaging Alert type. Find the Primary Interpreting Staff from the RAD/NUC file. |
| CR-75 | “KB Editor Alert Type Name”  Error found in routine VEFAALR1. An exact match is found instead of an “[“ contained with also a trailing space removal for the Alert type in the Display name. |

# Release Inventory

The following table provides the released material inventory, describes the method of delivery, and to where and to whom the deliverable was released. The following table lists the release inventory.

Table - Inventory of Release Components

| **Release Component** | **Description** | **Method of Delivery** | **Recipient** | **Location** |
| --- | --- | --- | --- | --- |
| AWARE\_v1.1.10\_LongBeach\_Test.zip | AWARE Version 1.1.10 containing all files listed in Section 2 | Installation | VA Long Beach Healthcare System, Long Beach, CA | VA Server VHALONAPP7 and VA VHA Innovation Sandbox |
| T4\_AWARE\_VersionDD-V1.1.10\_LongBeach\_Test.docx | Version Description Document and Release Notes for AWARE Version 1.1.10 | Email & upload | Blake Henderson, VA | AWARE SharePoint Site |

## Electronic Media Released

The VDD and Release Notes and other product documentation are released via email. The software builds are delivered via upload to the VA VHA Innovation Sandbox. The Quality Improvement (QI) Reports are installed by Harris team members and the Kernel Installation and Distribution System (KIDS) build is installed by Office of Information and Technology (OIT) personnel at the VA Long Beach Healthcare System in Long Beach, CA.

## Physical Media Released

Not applicable. There is no physical media provided with this deliverable.

# Associated Supporting Documentation

The following table lists the support documents that are associated with this deliverable:

Table - Associated Supporting Documentation

| **Document Name** | **Revision** | **Date** |
| --- | --- | --- |
| AWARE Implementation Plan and Checklist | 0.05 | 09/17/2014 |
| AWARE CPRS Integration Specification | 0.02 | 05/28/2014 |
| AWARE Requirements Specification Document | 0.03 | 05/09/2014 |
| AWARE User Interface Document | 0.02 | 05/29/2014 |
| AWARE Training Plan | 0.01 | 05/15/2014 |
| AWARE System Design Document | 0.01 | 05/27/2014 |
| AWARE Master Test Plan | 0.01 | 05/27/2014 |
| AWARE Requirements Traceability Matrix | 0.01 | 05/28/2014 |
| AWARE Test Cases | 0.03 | 04/15/2015 |
| AWARE Alert Cache Viewer User Guide | 0.03 | 07/20/2015 |
| AWARE Quality Improvement (QI) Report Manager User Guide | 0.02 | 09/04/2014 |
| AWARE Knowledge Base (KB) Editor User Guide | 0.02 | 09/04/2014 |
| AWARE Kernel Installation and Distribution System (KIDS) and Cache Server Page (CSP) Installation Guide | 0.05 | 07/20/2015 |
| AWARE Server Installation Guide | 0.05 | 07/20/2015 |
| AWARE\_VistA\_Configuration\_Guide-Prod | 0.01 | 05/13/2015 |
| AWARE Installation, Setup, Validation and Initial Testing Guide for VistA Test Account | 0.02 | 09/04/2014 |

# Certification

The Harris Configuration Manager for this release certifies that the contents of the packaged release defined by this VDD consist of artifacts archived in the CM environment for AWARE Version 1.1.10 as recorded in CM repository on 7/31/2015.

The status of all change requests and code change requests listed in this document in the Change Record Reports section have been verified and are consistent with what is reported here.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed Date

# Appendix A - Release Notes

## Introduction

The Computerized Patient Record System (CPRS) View Alerts package delivers notification of non-life threatening critical test results; however, it does not track whether providers take appropriate follow-up actions in response to the alerts. Currently, the only way to track follow-up actions on critical alerts is through manual review of individual patient records. The innovation Alerts, Watch and Response Engine (AWARE) will track and monitor follow-up actions and will identify certain critical lab and imaging test result alerts that lack timely follow-up. AWARE also consists of a web-based knowledge base editor and a quality measures reporting tool.

### Purpose

These release notes cover the new features provided to AWARE users in this release. All other documents referenced herein can be found at VA AWARE SharePoint site.

### Audience

This document targets users and administrators of the AWARE Test Build software product and applies primarily to the enhancements made to the AWARE prototype software.

## This Release

The following section provides, in brief, the new features and functions added to AWARE Version 1.1.10.

### Features and Functionality

No enhancements were added for the AWARE 1.1.10 release.

Table 4 – New AWARE Test Build Enhancement

| **Features** |
| --- |
| None |

## Upgrades

Long Beach site OIT personnel will not need to perform the upgrade to v1.1.10 in the Test or Production environment for any CSP updates.

There are no changes required for AWARE Computerized Patient Record System (CPRS).

All related AWARE Version 1.1.10 components can also be found on the VHALONAPP7 server in the C:\AWARE\_INSTALLATION\_SOFTWARE folder.

## Known Issues

There are no known issues specific to this release as this time.

## Product Documentation

The documents listed in Section 5, Table 3 apply to this release.

These documents were delivered to VA by email and reside in VA’s AWARE SharePoint site: <http://vaww.oed.portal.va.gov/projects/aware/default.aspx>