Alert Watch and Response Engine (AWARE)

**Version Description Document/Release Notes**

AWARE Version 1.1.4 Test Environment

for

VA Long Beach Healthcare System



**September 2014**

Prepared by Harris Corporation

Revision History

| Creation Date | Version No. | Description/Comments | Author(s) | Reviewer(s) | Review Type | Issue Date |
| --- | --- | --- | --- | --- | --- | --- |
| 09/18/2014 | 0.01 | Release of AWARE Version 1.1.4 for VA Long Beach Healthcare System | L. Glance |  |  | 09/24/2014 |
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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.

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# 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 1.1.4. 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 1.1.4, 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 1.1.4 consists of the product build from the AWARE Subversion 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 Subversion (SVN) Version Control tool Deployment folder in the VA VHA Innovation Sandbox, tagged as “AWARE Version 1.1.4”; 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 1.1.4” consists of the following files to describe this release:

* VDD and Release Notes: T4\_AWARE\_VersionDD-V1.1.4.docx
* AWARE\_v1.1.4.zip containing the following installer files with date and time created, size, and SVN revision:

09/02/2014 8:30 PM 10,408,342 AwareInstaller.exe SVN 252

09/02/2014 11:20 AM 16,270,204 CPRS\_AWARE\_v\_1\_0.zip SVN 250

09/02/2014 11:19 AM 159,274 KIDS\_REMINDER\_DIALOGS\_v\_1\_3.zip SVN 249  
09/02/2014 11:19 AM 160,475 KIDS\_REMINDER\_DIALOGS\_v\_1\_3\_VMS.zip SVN 249   
08/28/2014 10:30 AM 3,411 QI\_Database\_Scripts\_v\_1\_4.zip SVN 243

08/28/2014 10:30 AM 637,746 QI\_AWARE\_DATABASE\_1\_0.zip SVN 243   
08/27/2014 2:41 PM 1,013,546 QI\_Manager\_v\_1\_4.zip SVN 238  
08/27/2014 2:33 PM 2,072,483 QI\_Reports\_v\_1\_3.zip SVN 237  
08/27/2014 2:41 PM 465,966 QI\_AWARE\_SQL\_Transporter\_v\_1\_4.zip SVN 238  
08/28/2014 1:21 PM 214,509 vefa\_csp\_v\_1\_4.xml SVN 245

09/02/2014 4:42 PM 214,581 vefa\_csptest\_v\_1\_4.xml SVN 251   
08/28/2014 1:21 PM 1,543,022 vefa\_IIS\_v\_1\_4.zip SVN 245

The QI Manager, QI Database Scripts, SQL Transporter, KIDS\_REMINDER\_DIALOGS, vefa\_csp, vefa\_IIS, and KIDS\_REMINDER\_DIALOGS for VMS were updated for this release. Vefa\_csptest is a new file that aids in the installation of csp for test and production environments.

AWARE Version 1.1.4 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.

# 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-33 | “Alert Cache Viewer - Add original Alert Type”  This is an enhancement and described in Section 7.5 of this document. |
| CR-34 | “SQL Transporter – Unhandled Special Character "'" “  The special character “” in value text caused SQL execution error in SQL Transporter. For example, a clinic named “’CHS C&P O’CONNOR” caused Insert and select SQL statements to fail.  Resolution: Added logic to replace “’” with “’’” for all text value used in SQL statements. |
| CR-35 | “Multiple Issues Found in QI Manager Admin Screen”  1. Got server error when click on "View Report" button with no report selected. 2. No warning message if you try and Add a duplicate entry.  3. QI Tool Groups:       • You can create a new group or edit and existing one, Select Active and save it with no Group Members or Available Reports.        • If the Active box is checked, then it must have at least 1 Group Member and 1 Available Report assigned to it. 4. VistA Groups:       • When you Add a new VistA Group and click the Apply Changes button, the VistA Groups box is not refreshed with the new group name. You have to go to the Home page and come back into the Tools page.       • You can create a new group or edit and existing one and save it with no Aware Group Name assigned. 5. Users:       • If you try and Add a duplicate User Name you get a Server Error.  Resolution:  • Disable the "View Report" button when no report is selected. •  Popup a message such as "The user you are trying to add already exists!" to user when a duplicate entry is entered. • When saving a QI group, if Active checkbox is checked, at least one user and one report are required. A message such as "Please select at least one user!" will pop up if no user or report is selected. • Added code to refresh the VistA group listbox after a new VistA group is added. • Added a new requiredfieldvalidator for Aware group name dropdownlist so that Aware group is required for saving a VistA group. • Fixed the server error when adding a duplicate user. |

# 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\_v1.1.4.zip | AWARE Version 1.1.4 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-V1.1.4\_LongBeach.docx | Version Description Document and Release Notes for AWARE Version 1.1.4 | 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 QI Reports are installed by Harris team members and the KIDS build is installed by 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 | 0.02 | 09/09/2014 |
| AWARE Alert Cache Viewer User Guide | 0.02 | 09/04/2014 |
| 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 | 0.04 | 09/04/2014 |
| AWARE Server Installation Guide | 0.04 | 09/04/2014 |
| 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 1.1.4as recorded in CM repository on 09/23/2014.

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.

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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 1.1.4.

### Features and Functionality

There was one new feature or enhancement added for the AWARE 1.1.4 release.

Table 4 - New AWARE Test Build Features

| **Features** |
| --- |
| “Alert Cache Viewer – Add Original Alert Type” (CR-33)  A new field called “Original Alert Type” was added to store the KB Editor’s Alert Type Display Text during the collection process. The Alert Type field now contains the KB Editor’s Generic Name. |

## Upgrades

Harris personnel installed the new AWARE software at Long Beach by following the installation instructions in the *T4\_AWARE\_InstallGde-Server* document.

## 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>