Alert Watch and Response Engine (AWARE)

**Version Description Document/Release Notes**

AWARE Version 1.1.6 Production Environment

for

Ralph H. Johnson VA Medical Center in Charleston



**April 2015**

Prepared by Harris Corporation

Revision History

| Creation Date | Version No. | Description/Comments | Author(s) | Reviewer(s) | Review Type | Issue Date |
| --- | --- | --- | --- | --- | --- | --- |
| 04/02/2015 | 0.01 | Release of AWARE Version 1.1.6 for Ralph H. Johnson VA Medical Center in Charleston Production environment. | L. Glance |  |  |  |
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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 Ralph H. Johnson VA Medical Center in Charleston, SC for the Production environment. This document pulls together all the approved Change Requests (CR) for all source code and electronic documentation deliverables for the AWARE Version 1.1.6. 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 1.1.6, similar to a packing list for a received shipment, or a bill of lading. It itemizes the current production 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 1.1.6 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 1.1.6”; 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 1.1.6” consists of the following files to describe this release:

* VDD and Release Notes: T4\_AWARE\_VersionDD-V1.1.6\_Charleston.docx
* *AWARE\_v1.1.6\_Charleston.zip* containing the following installer files with date and time created, size, and SVN revision:

03/13/2015 09:32 AM 10,340,040 AwareDLLInstaller-CHA.exe SVN 367

03/19/2015 01:42 PM 68,215 KIDS\_AWARE\_CHA\_v\_1\_6.zip SVN 394

03/19/2015 01:42 PM 68,685 KIDS\_AWARE\_CHA\_v\_1\_6\_VMS.zip SVN 395

03/26/2015 01:34 PM 90,414 QI\_Database\_v\_1\_6.zip SVN 406   
03/26/2015 01:34 PM 1,046,187 QI\_Manager\_v\_1\_6.zip SVN 407  
03/26/2015 01:35 PM 2,063,963 QI\_Reports\_v\_1\_6.zip SVN 408  
03/26/2015 01:34 PM 443,468 QI\_AWARE\_SQL\_Transporter\_v\_1\_6.zip SVN 405  
02/26/2015 04:10 PM 242,399 vefa\_csp\_v\_1\_6.xml SVN 341

02/26/2015 04:10 PM 242,475 vefa\_csptest\_v\_1\_6.xml SVN 341   
02/23/2015 02:39 PM 1,543,022 vefa\_IIS\_v\_1\_4.zip SVN 339

All files except for vefa\_\* files, were rebuilt using CPRS30A.

AWARE Version 1.1.6 will be installed at the Ralph H. Johnson VA Medical Center in Charleston, SC. Files can be extracted from the local Charleston server, VHACHAAPP11 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-46 | “KB Editor – Alert Type and Alert Category names max length”  Added validation for Alert Type and Alert Category names. Combined, they cannot be greater than max length = 50 characters. |
| CR-47 | “Change FAT and ACL verbiage in Alert Cache Viewer”  This is an enhancement and described in Section 7.5 of this document. |
| CR-49 | “License not released in Cache Viewer and KB Editor”  Cache Viewer and KB Editor modified to release license when user quit from the application either using logoff button or the “x”. |
| CR-50 | “CPRS Surrogate Error”  CPRS exception errors from the AWARE DLL upon return from surrogate condition. This was fixed by updating the AWARE DLL with AWARE v1.1.6. |
| CR-51 | “CPRS Graphing”  CPRS Graphing of labs was fixed by securing a licensed Delphi 2006 version with graphics in library dclt100.bpl; the graphics now works. No source code was changed for this library. |
| CR-52 | “Update QI Reports to display Patient Name”  This is an enhancement to improve the usability of the QI tool and described in Section 7.5 of this document. |

# 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\_v1.1.6\_Charleston.zip | AWARE Version 1.1.6 containing all files listed in Section 2 | Installation | Ralph H. Johnson VA Medical Center, Charleston, SC | VA Server VHACHAAPP11 and VA VHA Innovation Sandbox |
| T4\_AWARE\_VersionDD-V1.1.6\_Charleston.docx | Version Description Document and Release Notes for AWARE Version 1.1.6 | 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 Ralph H. Johnson VA Medical Center in Charleston, SC.

## 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 1.1.6as recorded in CM repository on 3/31/2015.

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.

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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 Production 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 1.1.6.

### Features and Functionality

The following enhancements were added for the AWARE 1.1.6 release.

Table 4 - New AWARE Production Build Enhancements

| **Features** |
| --- |
| “Change FAT and ACK verbiage in Alert Cache Viewer” (CR-47)  Requested verbiage changed in Alert Cache Viewer:   * *FAT Status* changed to *Status* * *UN-ACK Status* changed to *Un-Acknowledged Status* * *ACK renew Date* changed to *Alert Renew Date*   *FAT provider* changed to *Alert Provider* |
| “Update QI Reports to display Patient Name” (CR-52)  Added a WEB Service to the CSP Gateway that is called from the QI Reports that will look up the Patients full name using the Access and Verify codes of the current QI Tool User. The Patient ID field on the QI Reports is a hyperlink that calls the new Web Service to pop-up a new window that displays the patient’s full name. |

## Upgrades

Harris personnel installed the new AWARE software at Charleston 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>