Vitals Suite (FH*5.5*53)

Release Notes



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Artifact Rationale

Release Notes describe changes to existing software and new features and functions of a subsequent release of software, which makes them useful as a marketing tool.

For the initial distribution of software, Release Notes are optional. Revisions to a product that involve major changes to technical specifications or end user functionality require Release Notes. Changes to software or documentation that have a minimal impact do not require Release Notes. The project manager, as the authoritative source and in consultation with the technical writer, determines if a Release Notes document is a required artifact for the project.

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1. Introduction

The Vitals Suite consists of Vitals Lite, Vitals and Vitals Manager. This project (Vitals EP2 Enhancements) consists of three patches: GMRV*5.0*40, OR*3.0*522, and FH*5.5*53 as well as new versions Vitals Lite, Vitals, and Vitals Manager. This document describes how to deploy and install, how to back-out the product and rollback to a previous version or data set. This document is a companion to the project charter and management plan for this effort.

1.1. Dependencies

Vitals EP2 Enhancements is for installation on a fully patched VistA system. There are two Graphical User Interface (GUI) components and a Dynamic-Link Library (DLL) that should be running on a Windows system.

Below is a list of all the applications involved in this project along with their patch numbers:

APPLICATION/VERSION	PATCH
ORDER ENTRY/RESULTS REPORTING v3.0	OR*3.0*522
GENERAL MEDICAL RECORDS - VITALS	GMRV*5.0*40
DIETETICS	FH*5.5*5

2. Purpose

These release notes cover the changes to the Vitals Suite (GMRV*5.0*40, OR*3.0*522, and FH*5.5*53).

3. Audience

This document targets Vitals Suite users and administrators. It applies to the changes made between this release and any previous release for this software.

4. This Release

The following sections provide a summary of the new features and functions, enhancements and modifications to the existing software, and any known issues for the Vitals Suite.

4.1. New Features and Functions Added

The following are the new features and functions added with the Vitals Suite release.

4.1.1. Conformance to 508 requirements

The Department of Veterans Affairs Office of Information and Technology requires that applications comply with Section 508 of the Rehabilitation Act. This patch adds 508 compliance to the Vitals Suite using the VA's Accessibility Framework files which have been updated by the CPRS team for this release. The framework allows upgraded communication with screen reader applications.

4.1.2. NSR 20150410 – Configurable Weight Measurement Threshold

This enhancement changes the weight threshold alert settings to the National Standard of weight loss/weight gain threshold. This allows the dietician(s) assigned to a Nutrition Location to receive notifications when a patient's weight change exceeds the defined thresholds.

4.1.3. NSR 20141108 – Require Qualifier (Method) for Weight Vital Measurement

This enhancement makes documentation of the weight measurement method mandatory and viewable on the HER summary page (CPRS cover sheet). This request allows for a better understanding of a patient's weight measurement accuracy.

4.2. Patient Safety Issues

This release does not address any Patient Safety Issues.

4.3. Defect Tracking System Items

1. INC5388017 - Vitals Lite showing erroneous entry times

   Problem: Using the Encounters form in CPRS, it is possible to enter vitals data for a patient for a future date and time.

   Resolution: Vitals Lite now checks the date passed from the CPRS Encounters form, verifying the date is not a future date, nor earlier than one year ago.

2. INC8983394 - Vitals Standalone and Vitals - Graph Report needs to have a space between columns for Location and Entered By

   Problem: When a location has a name longer than 20 characters, the Vitals Graph Report's spacing is affected. The long location name pushes into the "Entered By" column, making it hard to read.

   Resolution: The report's "Location" column is now padded to be either 20 spaces (the default) or the longest location name + two spaces, whichever is greater.
3. INC17035033 - GMRV*5*44 Supplemental Oxygen Flow Rate questions - Up/down arrows function oddly

   Problem: When entering the "Flow Rate" qualifier for the "Pulse Oximetry" vital, the up/down arrows and keys don't function as expected.

   Resolution: The range of values supported by the up/down arrows and keys was expanded.

4.4. Known Issues

1. Pulse Oximetry – "Method" Required Qualifier

   Issue:

   When Pulse Oximetry is configured in Vitals Management to require a qualifier be entered, vitals save correctly. However, if the specific "Method" qualifier is also marked as individually required (rather than just requiring "any" qualifier), saving a Pulse Oximetry vital will always fail with an error stating that qualifiers are required — even when a Method value (e.g., Face Tent, Nasal Cannula) has been properly selected. This issue is specific to Pulse Oximetry and does not affect other vital types.

   Workaround:

   Do not mark the "Method" qualifier as individually/specifically required for Pulse Oximetry. Instead, use only the general "Qualifier required when entering vital measurement" setting. This still requires the user to select a qualifier before saving, without triggering the error.

5. New Parameters

Vitals Suite has several new parameters.

5.1. GMV Parameters

- **GMV EXCEPTION LOGGER:** When this parameter is set to "yes" the application will display a custom access violation screen to the user as well as logging the

error stack and allowing this to be sent via an email (if GMV EXCEPTION EMAIL is not blank.

- **GMV EXCEPTION EMAIL:** When the Exception Logger is enabled (GMV EXCEPTION LOGGER) the user has the ability to pre-populate an email through Microsoft Outlook. If this parameter is not empty, then the user can email the error log and this email address will be used for the pre population of that email.
- **GMV EXCEPTION PURGE:** When an error occurs, and the Exception Logger is enabled (GMV EXCEPTION LOGGER), then any file(s) that are older than the number of days set in this parameter will be removed from the user's machine.
- **GMV HELP DESK TEXT:** This is the message that will inform the user on who to contact in case of issues with Vitals. Example: "your local CPRS help desk" or "your local IRM". This will be used in sentences such as "Please contact your local help desk for support".
- **GMV REQUIRES QUALIFIER:** List of vital measurements and, if they require qualifiers to be entered or not.

6. Product Documentation

The following documents apply to this release:

- *CPRS Technical Manual: List Manager Version*
- *Nutrition and Food Service User Manual*
- *Nutrition and Food Service Technical Manual*
- *Nutrition and Food Service Manager ADPAC Guide*
- *Vitals Suite (GMRV*5.0*40) Release Notes*
- *OR*3.0*522 Release Notes*
- *FH*5.5*53 Release Notes* (this document)
- *Vitals Suite (GMRV*5.0*40) Deployment, Installation, Back Out and Roll Back Guide*
- *Vitals/Measurements (GMRV) Version 5.0 Technical Manual and Package Security Guide*
- *Vitals/Measurements (GMRV) Version 5.0 User Manual*
- Online Help System