

# **VHA Point of Service (Kiosks) Phase II**

## **Enhancement VPS**

### **Release Notes**

**VPS Combined 4, 5, 3 Build 1.0**



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**Department of Veterans Affairs  
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## Revision History

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# 1. Introduction

## 1.1.1. Purpose

These Release Notes describe new features and functions of Enhancement VPS 1\*4, VPS 1\*5, and VPS 1\*3 Veterans Health Information Systems and Technology Architecture (VistA) VHA Point of Service (Kiosks) (VPS) combined build, VPS Combined 4, 5, 3 Build 1.0. All other documents referenced herein can be found at the VA SharePoint site [VHA Point Service \(Kiosks\) Phase II Library](#), or the VistA Document Library (VDL).

## 1.1.2. Background

The VPS\*1.0\*4 (VPS 1\*4) patch implements remote procedures (RPCs) to VistA integration in the VHA/VPS namespace providing expanded patient demographic data, patient system-level patient clinical reminders, and label and wristband printing capabilities.

The VPS\*1.0\*5 (VPS 1\*5) patch implements remote procedures (RPCs) to VistA integration in the VHA/VPS namespace providing appointment Status Integration and Clinical Surveys to VetLink kiosk staff and veteran facing application modules.

The VPS\*1.0\*3 (VPS 1\*3) patch implements remote procedures (RPCs) to VistA integration in the VHA/VPS namespace providing the ability for the patients to accurately report, verify, and comment on their medications and allergies.

## 1.1.3. Scope of Changes

The VPS Combined 4, 5, 3 Build 1.0 implements remote procedures (RPCs) in the VPS namespace to provide additional patient demographic, enrollment and eligibility, military service, label and wristband printing and clinical reminders, appointment status changes, patient clinical survey questionnaires, and medication review and allergy review functionality to VetLink kiosk staff and veteran facing application modules.

# 2. New Features and Functions

## 2.1.1. VPS 1\*4 New Features and Functions

Features
<b>VPS 1*4 Demographic Data</b>  This feature provides additional patient demographic, enrollment and eligibility, and military service data via RPC Broker calls to VistA. The data is returned to the VPS Kiosk for display on Kiosk devices to VAMC patients or on VA staff computers.
<b>Patient Specimen and Wristband Print</b>  This feature implements RPC Broker calls that provide the capability for clinic staff using the Kiosk staff facing application to print patient specimen wristband labels to secure clinic printers.
<b>Clinical Reminder</b>  This feature provides National clinical reminders that are currently due for a patient when the patient checks-in via the Kiosk, or when clinic staff check-in the patient through the Kiosk staff-facing

Features
application.

## 2.1.2. VPS 1\*4 New Remote Procedure Calls

RPC NAME	TAG	ROUTINE
VPS ENHANCED GET PATIENT DEMO	GETDATA3	VPSRPC1
VPS PRINT PATIENT LABEL	PRINT	VPSRLBLS
VPS PATIENT WRISTBAND PRINT	PRINT	VPSWRIST
VPS GET PRINTERS	DEVICE	VPSPRINT
VPS GET ALL CLINICS	ALLCLN	VPSRPC10
VPS GET CLINICAL REMINDERS	REMIND	VPSPTCR

## 2.1.3. VPS 1\*4 New VistA Routines

ROUTINE NAME	DESCRIPTION
VPSRPC10	VPSRPC10 implements VPS GET ALL CLINICS RPC and returns a list of hospital locations defined in the HOSPITAL LOCATION file #44.
VPSRPC11	VPSRPC11 provides supporting utilities for VPS Demographic, scheduling and other patient registration information.
VPSRPC12	This routine provides the functionality of VPS ENHANCED GET PATIENT DEMO RPCs returning detailed patient laboratory order data.
VPSRPC13	This routine provides the functionality of VPS ENHANCED GET PATIENT DEMO RPCs returning a patient's list of consults and procedures.
VPSRPC14	VPSRPC14 provides utility function to support retrieval and return of radiology imaging data for the VPS ENHANCED GET PATIENT DEMO RPC.
VPSRPC15	This routine provides the functionality of VPS ENHANCED GET PATIENT DEMO RPCs returning a patient's problem list.
VPSRPC16	VPSRPC16 is an extension of VPS ENHANCED GET PATIENT DEMOGRAPHICS. VPSRPC16 provides eligibility, enrollment, military service, environmental factors, etc.
VPSRPC26	This routine provides the functionality to return patient flags, balanced owed and other demographic, registration, and eligibility information. VPSRPC26 is an extension of VPS ENHANCED GET PATIENT DEMOGRAPHICS. VPSRPC26 provides insurance, special factors (POW, PH, etc.) Changed Date/Time, and primary care data.
VPSRLBLS	This routine implements RPC VPS PRINT PATIENT LABEL. The RPC prints the patient label using the standard VistA print patient label routine (DGPLBL)
VPSPRINT	A set of common application program interfaces (APIs) to support VPS printing functionality.

ROUTINE NAME	DESCRIPTION
VPSPTCR	Procedures and functions to retrieve clinical reminders applicable to a patient and “Due Now”.
VPSRWRIST	Procedures and functions to print a patient wristband with barcode. This routine implements RPC VPS PATIENT WRISTBAND PRINT. The RPC prints a patient wristband to a VistA printer in a secure area.  The RPC requires the printer device name, patient identifier type, and a patient identifier of the specified type.

#### 2.1.4. VPS 1\*5 New Features and Functions

Features
<p><b>VPS 1*5 Appoint Status</b></p> <p>This feature provides new routines to enable VetLink to receive HL7 notification messages of outpatient clinic appointment changes.</p> <p>New remote procedure calls (RPCs) are included to allow outpatient clinic appointment changes to be retrieved on demand.</p>
<p><b>VPS Clinical Survey Questionnaire</b></p> <p>This feature provides new RPCs to allow patient-completed clinical survey questionnaires to be stored and included in ad hoc health summary reports.</p> <p>New VistA data files are implemented to support VPS clinical survey questionnaire functionality.</p> <ul style="list-style-type: none"> <li>• VPS CLINICAL SURVEY (#853.8)</li> <li>• VPS QUESTIONNAIRE IDENTIFIERS (#853.85)</li> <li>• VPS QUESTIONNAIRE NAME (#853.875)</li> <li>• VPS APPOINTMENT QUEUE (#853.9)</li> <li>• VPS HL7 SITE PARAMETERS (#853.1)</li> </ul>

#### 2.1.5. VPS 1\*5 New Remote Procedure Calls

RPC NAME	TAG	ROUTINE
VPS GET APPOINTMENTS	GET	VPSAPPT
VPS GET CHANGED APPOINTMENTS	GETCHG	VPSAPPT
VPS SAVE CLINICAL SURVEY	SAVE	VPSSRVY1
VPS GET SURVEY DATA	GETRPC	VPSSRVY2

#### 2.1.6. VPS 1\*5 New VistA Routines

ROUTINE NAME	DESCRIPTION
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ROUTINE NAME	DESCRIPTION
VPSPAPT	This routine implements the VPS GET APPOINTMENTS RPC which returns all appointments for a patient in a given date range. The routine stores all returned appointments for a clinic or kiosk group to an appointment queue file.
VPSPAPT2	This routine implements the VPS GET CHANGED APPOINTMENTS RPC which returns the appointments which have changed since the last execution of the VPS GET APPOINTMENTS RPC.
VPSSRVY1	This routine implements VPS SAVE CLINICAL SURVEY RPC. This routine stores the patient responses to a clinical survey questionnaire. The routine stores questionnaire attributes such as unique identifiers and version information linked to questionnaire questions and the patient responses to each question.
VPSSRVY2	This routine implements VPS GET SURVEY DATA RPC which returns a patient's clinical survey questionnaire information. The routine provides the capability to filter the results by questionnaire attributes, name and/or unique identifier (with imbedded version) and/or date range filters.
VPSSRVY3	This routine extends VPSSRVY2. The routine creates clinical survey patient data objects and generates two Ad Hoc Health Summary reports accessible through the CPRS Reports tab. Additionally the routine provides the capability for users to create customized Ad Hoc Health Summary reports filtered by questionnaire attributes and/or date range.
VPSSEND	This routine implements VPS HL7 messaging. The routine executes in response to a trigger event monitored by the SCHEDULING APPOINTMENTS EVENT protocol and constructs a HL7 ADT-01 messages which is then transmitted by the VistA HLO HL7 message system.

### 2.1.7. VPS 1\*3 New Features and Functions

Features
<b>VPS 1*3 Medication Review and Allergy Review</b>  This feature provides new routines to enable VetLink to store patient medication and allergy information to the facility VistA database and display the data in ad hoc Health Summary reports and patient data objects..

### 2.1.8. VPS 1\*3 New Remote Procedure Calls

RPC NAME	TAG	ROUTINE
VPS WRITE MRAR PDO	WRITE	VPSMRAR1
VPS WRITE KIOSK PARAMETERS	WRITE	VPSPARAM
VPS GET MRAR PDO	GET	VPSPDO1

VPS GET LAST MRAR	GET	VPSMRAR9
VPS UPDATE LAST MRAR TIU IEN	UPDATE	VPSMRARU

### 2.1.9. VPS 1\*3 New VistA Routines

ROUTINE NAME	DESCRIPTION
VPSMRAR1	Procedures and function calls to store patient's MRAR instance data values and create the patient's MRAR PDO.
VPSMRAR2	Procedures and functions to store a patient's allergy data to VPS MRAR files.
VPSMRAR3	Procedure and functions to store a patient's additional allergy data to VPS MRAR files.
VPSMRAR4	Procedures and functions to store a patient's medication data to VPS MRAR files.
VPSMRAR5	Procedures and functions to store a patient's additional medication data to VPS MRAR files..
VPSMRAR7	Procedures and functions to store a patient's allergy reaction data to VPS MRAR files.
VPSMRAR9	Procedures and function to read an identified patient's MRAR clinical data.
VPSPDO1	Procedures and function calls to read a patient's MRAR clinical data to provide PDO output.
VPSMRARU	Procedures and functions to update an identified patient's most recent MRAR clinical data with the applicable TIU document internal entry number (IEN).
VPSPARAM	Procedures and functions to store outpatient clinic kiosk configuration parameters used to define clinic kiosk functionality and devices.

## 3. Upgrades/Changes to Existing Software

VPSRPC1 implemented in VPS\*1.0\*2 was modified to support the new VPS ENHANCED GET PATIENT DEMO RPC implemented in VPS 1\*4.

## 4. Known Issues

There are no known issues specific to this release.

## 5. Product Documentation

The following manuals are produced for VPS Combined 4, 5, 3 Build 1.0.



- VPS Combined 4, 5, 3 Build 1.0 Installation Guide
- VPS Technical Manual