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

**Enhancement VPS**

**Release Notes**

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

**May 2015**

**Department of Veterans Affairs**

**Office of Information and Technology**

**Product Development**

**Revision History**

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1. **Introduction**
	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 REDACTED or the VistA Document Library (VDL).

1. **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 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. **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 questionnares, and medication review and allergy review functionality to VetLink kiosk staff and veteran facing application modules.

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

**Features**

**VPS 1\*4 Demographic Data**

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.

**Patient Specimen and Wristband Print**

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.

**Clinical Reminder**

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 throught the Kiosk staff-facing

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**Features**

application.

1. **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 |
|  |  |  |

1. **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. |
|  |  |

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| --- | --- |
| 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. |
|  |  |

1. **VPS 1\*5 New Features and Fuctions**

**Features**

**VPS 1\*5 Appoint Status**

This feature provides new routines to enable VetLink to receive HL7 notification messages of outpatient clinic appointment changes.

New remote procedure calls (RPCs) are included to allow outpatient clinic appointment changes to be retrieved on demand.

**VPS Clinical Survey Questionnaire**

This feature provides new RPCs to allow patient-completed clinical survey questionnaires to be stored and included in ad hoc health summary reports.

New VistA data files are implemented to support VPS clinical survey questionnaire functionality.

* VPS CLINICAL SURVEY (#853.8)
* VPS QUESTIONNAIRE IDENTIFIERS (#853.85)
* VPS QUESTIONNAIRE NAME (#853.875)
* VPS APPOINTMENT QUEUE (#853.9)
* VPS HL7 SITE PARAMETERS (#853.1)

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| --- | --- | --- |
| **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 |
|  |  |
| VPSAPPT | 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. |
|  |  |
| VPSAPPT2 | 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. |
|  |  |

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

**Features**

**VPS 1\*3 Medication Review and Allergy Review**

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..

1. **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 |
|  |  |  |

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

1. **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. |
|  |  |

1. **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.

1. **Known Issues**

Ther are no known issues specific to this release.

1. **Product Documentation**

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

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

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