VHA Point of Service (Kiosks) Phase II
Installation Guide
For
Enhancement VPS*1.0*5

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<td>0.02</td>
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<td>C. Wheless</td>
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<td>0.01</td>
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<td>Carolyn Wheless</td>
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Orientation

How to Use this Manual

This manual provides instructions on the use of VPS*1.0*5 remote procedure calls (RPC) to access Veterans Health Information Systems and Technology Architecture (VistA) as a data source for VHA Point of Service (Kiosks).

Intended Audience

The intended audience of this manual is the following stakeholders:

- Product Development (PD) VistA legacy development teams.
- Information Resource Management (IRM) system administrators at Department of Veterans Affairs (VA) sites who are responsible for computer management and system security on VistA M Servers.
- Information Security Officers (ISOs) at VA sites responsible for system security.
- Health Product Support (HPS) Information Technology (IT) Specialists who provide application support to VA end-users.

Legal Requirements

There are no special legal requirements involved in the use of VPS*1.0*5 RPCs.

Disclaimers

This manual provides an overall explanation of VPS*1.0*5 installation. This guide does not attempt to explain how the overall VistA programming system is integrated and maintained.

DISCLAIMER: The appearance of any external hyperlink references in this manual does not constitute endorsement by the Department of Veterans Affairs (VA) of this Website or the information, products, or services contained therein. The VA does not exercise any editorial control over the information you may find at these locations. Such links are provided and are consistent with the stated purpose of this VA Intranet Service.

Documentation Conventions

The following symbols are used throughout this document to alert the reader to special information.

NOTE/REF: Used to denote general information including references to additional reading material.

CAUTION / RECOMMENDATION / DISCLAIMER: Used to caution the reader to take special notice of critical information.
Snapshots of computer online displays (screen captures) and computer source code are shown in non-proportional font and are enclosed within a box. User responses to displayed only prompts are **bold italic** typeface. Software reserved words are displayed in **bold** font.

References to “<Enter>” within the screen captures indicate that the user should press the <Enter> key on the keyboard. Other special keys are represented within <> angle brackets and indicate the user should press the indicated key on the keyboard. For example, <PF1> directs the user to press the PF1 key on the keyboard.

The following conventions are used to display test data:

- Social Security Numbers (SSN) for test patients are prefixed with five zero digits e.g. 000009999.
- Patient names are formatted as [Application Name]PATIENT,[N] e.g. VPSPATIENT, ONE.
- User names are formatted as [Application Name]USER[N] e.g. VPSUSER, ONE.

This guide refers to the M programming language as M. Under the 1995 American National Standards Institute (ANSI) standard, M is the primary name of the MUMPS programming language, and MUMPS is considered an alternate name.

### Commonly Used Terms

 Table 1: Commonly used VPS*1*5 Terms

<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client</td>
<td>A single term used interchangeably to refer to a user, the workstation (i.e., PC), and the portion of the program that runs on the workstation.</td>
</tr>
<tr>
<td>Component</td>
<td>A software object that contains data and code. A component may or may not be visible.</td>
</tr>
<tr>
<td>GUI</td>
<td>The Graphical User Interface application that is developed for the client workstation.</td>
</tr>
<tr>
<td>Host</td>
<td>The term Host is used interchangeably with the term Server.</td>
</tr>
<tr>
<td>Server</td>
<td>The computer where the data and the RPC Broker remote procedure calls (RPCs) reside.</td>
</tr>
</tbody>
</table>

### Technical Information Online

Project documentation for VPS Kiosks may be found in the Technical Services Project Repository (TSPR). Other online technical information from M Server-based software file, routine and global documentation may be generated using Kernel, MailMan and VA FileMan utilities.

### Help Prompts

There are no online help prompts provided for VPS*1.0*5.
**Data Dictionary**

Technical information on VistA M Server-based files and files is stored in the VA FileMan Data Dictionary. The VA FileMan List File Attributes option on the Data Dictionary Utilities submenu may be used to view the attributes of VistA M Server files.

**Assumptions**

This guide is written with the assumption that the reader is familiar with:

- Kernel – VistA M Server software
- Remote Procedure Call (RPC) Broker – VistA Client/Server software
- VA FileMan data structures and terminology – VistA M Server software
- Microsoft Windows
- M programming language

**References**

The following references support the reader’s understanding of the operation and functioning of VPS*1.0*5:

- VPS 1*5 Technical Guide
- RPC Broker Release Notes
- RPC Broker Developer’s Guide
- RPC Broker Systems Management Guide
- RPC Broker TCP/IP Supplement, Patch XWB*1.1*35 and XWB*1.1*44
- RPC Broker Technical Manual
- RPC Broker User Guide
- Veteran’s Point of Service (VPS) FY14 OIT PD BRD, Version 2.0 (May 2014)
- 20090210 VHA Point-of-Service Initiative BRD
- DHCP Health Level Seven (HL7) Technical Manual, Version 1.6 (October 1995)
- Health Summary User Manual, Version 2.7 (August 2014)

These references may be downloaded from the [VA Software Document Library (VDL) Website](#).

## 1 Preliminary Considerations

### 1.1 VistA M Server Requirements

The following minimum software tools are required on your VistA M Server in order to install and use VPS*1.0*5

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PACKAGE</th>
<th>VERSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server Operating System</td>
<td>InterSystems Caché</td>
<td>NT and OpenVMS</td>
</tr>
<tr>
<td>VistA Legacy Software</td>
<td>Kernel</td>
<td>8.0</td>
</tr>
<tr>
<td></td>
<td>Kernel Toolkit</td>
<td>7.3</td>
</tr>
</tbody>
</table>
## 2 Installation

This patch is to be installed on VistA system and must be installed by the compliance date to conform to VHA Directive 2001-023.

This patch may be loaded while VA Point of Service is active.

### 2.1 Installation Prerequisites

This patch requires patch VPS*1.0*2 and VPS*1.0*4 to be installed before installing this patch, VPS*1.0*5.

To install this patch, you will need to download the VPS*1.0*5 KIDS package from VPS FTP sites to a local storage location.

### 2.2 Installation of KIDS Package

1. Access the **Kernel Installation and Distribution System Menu** [XPD MAIN]
2. Run the **Installation** option [XPD INSTALLATION MENU]
3. Load the KIDS file by performing the following steps:
   a. Run the **Load a Distribution** option [XPD LOAD DISTRIBUTION] to load the KIDS distribution.
   b. When prompted, enter the path and file name **VPS1_0P5.KID** of the patch VPS*1.0*5 KIDS file that you downloaded from the VPS FTP server.
   c. When prompted to continue with the load, enter **YES**. A Distribution OK! Message will be displayed when the load is complete.
4. After loading the KIDS file, use the following options to verify the contents of the patch and to back up any affected routines.
   - Verify Checksums in Transport Global [XPD PRINT CHECKSUM] – run this option to verify the integrity of the routine in the patch.
   - Compare Transport Global to Current System [XPD COMPARE TO SYSTEM] – run this option to view all changes that will be made when the patch is installed. All components (routines, RPCs, and so on) in the patch will be compared.
   - Backup a Transport Global [XPD BACKUP] – run this option to create a backup message of any routines exported with the patch. It will NOT backup any of the other changes.
5. After performing the load and any optional verification steps, perform the following steps to install the KIDS file:
   a. Run the Install Package(s) [XPD INSTALL BUILD] option.
   b. When prompted for the install name, enter \textit{VPS*1.0*5}.
   c. Answer NO to the following prompts.

\begin{center}
\begin{tabular}{|l|}
\hline
Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//
\hline
\end{tabular}
\end{center}

\textit{Figure 1Inhibit Logon Prompt}

\section*{2.3 Sample KIDS Installation}

\begin{center}
Select INSTALL NAME: VPS*1.0*5  12/19/14@10:34:54
\rightarrow VPS*1.0*5  ;Created on Dec 19, 2014@10:27:25
\end{center}

This Distribution was loaded on Dec 19, 2014@10:34:54 with header of
VPS*1.0*5  ;Created on Dec 19, 2014@10:27:25
It consisted of the following Install(s):
VPS*1.0*5
Checking Install for Package VPS*1.0*5

Install Questions for VPS*1.0*5

Incoming Files:

\begin{itemize}
\item 853.1 VPS HL7 SITE PARAMETERS
\item 853.8 VPS CLINICAL SURVEY
\item 853.85 VPS QUESTIONNAIRE IDENTIFIERS
\item 853.875 VPS QUESTIONNAIRE NAME
\item 853.9 VPS APPOINTMENTS QUEUE
\end{itemize}

Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//

Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//
Enter the Device you want to print the Install messages. You can queue the install by enter a 'Q' at the device prompt. Enter a '^' to abort the install.

DEVICE: HOME/ HERE

Install Started for VPS*1.0*5:
Dec 19, 2014@10:35:20

Build Distribution Date: Dec 19, 2014

Installing Routines:.................
Dec 19, 2014@10:35:20

Installing Data Dictionaries: ..... 
Dec 19, 2014@10:35:20

Installing Data:
Dec 19, 2014@10:35:20

Installing PACKAGE COMPONENTS:

Installing REMOTE PROCEDURE.............

Installing OPTION..
Dec 19, 2014@10:35:20

Updating Routine file......

Updating KIDS files....... 

VPS*1.0*5 Installed.
Dec 19, 2014@10:35:20
3 Post-Install

3.1 Pre-Configuration Requirements
IRM and VPS administrators supporting VPS HL7 messaging require the HLO security keys HLOMAIN and HLOMGR.

Before beginning the VPS configuration for HL7 messaging, obtain the HL7 receiving server information for your site from the VPS HL7 Configuration spreadsheet available at http://somesharepoint.

Note: Test environments not implementing HL7 or HLO messaging do not need to perform the steps in this section.

3.2 Configure VPS HL7 ADT A01 Messaging

1. Using VistA FileMan, edit the VPS HL7 SITE PARAMETER file #853.1.

```
Select OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: VPS HL7 SITE PARAMETERS// 853.1 VPS HL7 SITE PARAMETERS (1 entry)
EDIT WHICH FIELD: ALL// NAME
 THEN EDIT FIELD: ACTIVE
 THEN EDIT FIELD:

Select VPS HL7 SITE PARAMETERS NAME: VPS HL7 SITE PARAMETER
ACTIVE: Yes// Y Yes
```

2. Use ^ to return to the INPUT TO WHAT FILE: prompt.

3. Use VistA FileMan to edit the PROTOCOL file #101.

```
Select OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: PROTOCOL// 101 PROTOCOL (6101 entries)
EDIT WHICH FIELD: ALL// NAME
 THEN EDIT FIELD: ITEM TEXT
 THEN EDIT FIELD: TYPE
 THEN EDIT FIELD: ENTRY ACTION
 THEN EDIT FIELD:

Select PROTOCOL NAME: VPS SEND APPT
 Located in the VPS (VPS KIOSK) namespace.
 Are you adding 'VPS SEND APPT' as a new PROTOCOL (the 6102ND)? No// Y Yes

NAME: VPS SEND APPT// <Enter>
ITEM TEXT: Send appointment status change to Vetlink HL7 Server
TYPE: action
ENTRY ACTION: D EN*VPSSEND
```

Add VPS SEND APPT to SDAM Appointment events.
4. Exit FileMan.

5. Use the **HL7 Main Menu** option **HLO** to register the VPS HL7 sending and receiving message applications in the VistA HLO system.
Select OPTION NAME: HL7 MAIN MENU  HL MAIN MENU

   HL7 Main Menu
   Event monitoring menu ...
   Systems Link Monitor
   Filer and Link Management Options ...
   Message Management Options ...
   Interface Developer Options ...
   Site Parameter Edit

HLO   HL7 (Optimized) MAIN MENU ...

Select HL7 Main Menu Option: HLO   HL7 (Optimized) MAIN MENU

   SM   HLO SYSTEM MONITOR
   MV   HLO MESSAGE VIEWER
   STAT  HLO MESSAGE STATISTICS
   ES   HLO ERROR STATISTICS
   SE   HLO EDIT ERROR SCREENS
   TS   TROUBLESHOOTING MENU ...
   DM   HLO DEVELOPER MENU ...
   SP   EDIT HLO SYSTEM PARAMETERS

Select HL7 (Optimized) MAIN MENU Option: DM   HLO DEVELOPER MENU

   SR   ADD/EDIT SUBSCRIPTIONS
   EP   SET OUTGOING QUEUE PRIORITY
   AR   APPLICATION REGISTRY MENU ...

Select HLO DEVELOPER MENU Option: AR   AR APPLICATION REGISTRY MENU

   STOP  INACTIVATE SENDING APPLICATION
   SA   ADD/EDIT SENDING APPLICATION
   RA   ADD/EDIT RECEIVING APPLICATION
   RET  EDIT MESSAGE RETENTION TIME

Select APPLICATION REGISTRY MENU Option: SA   SA ADD/EDIT SENDING APPLICATION

Select HLO APPLICATION REGISTRY APPLICATION NAME: VPS SEND APPT STATUS

   Are you adding 'VPS SEND APPT STATUS' as
   a new HLO APPLICATION REGISTRY (the 10TH)? No// Y (Yes)

   APPLICATION NAME: VPS SEND APPT STATUS  <ENTER>

   Package File Link: HEALTH LEVEL SEVEN

   Do you want to edit the setup for sequence queues? No// N (No)

Select HLO APPLICATION REGISTRY APPLICATION NAME: <ENTER>

Select APPLICATION REGISTRY MENU Option: R   RA ADD/EDIT RECEIVING APPLICATION

Select HLO APPLICATION REGISTRY APPLICATION NAME: VPS RECEIVE APPT STATUS

   Are you adding 'VPS RECEIVE APPT STATUS' as
   a new HLO APPLICATION REGISTRY (the 10TH)? No// Y (Yes)

   APPLICATION NAME: VPS RECEIVE APPT STATUS// <ENTER>

   Package File Link: HEALTH LEVEL SEVEN   HL

   Do you want to edit the setup for receiving batch messages? No// N  <ENTER>

Select HL7 MESSAGE TYPE:

   Do you want to edit the default action for non-specified messages types? No// N  <ENTER>

RETURN LINK FOR APPLICATION ACKNOWLEDGMENTS:  <ENTER>
Exit the HL7 Main Menu option.

Use the LINK EDIT option to enter the domain name/IP address of the receiving HL7 server, provided separately. For your site receiving HL7 server domain name, see the VPS HL7 Configuration spreadsheet available at

http://vaww.oed.portal.va.gov/projects/vps/Library/VetLink%205.5/VPS_HL7_Server_Information.xlsx

<table>
<thead>
<tr>
<th>Select OPTION NAME:</th>
<th>LINK EDIT</th>
<th>HL EDIT LOGICAL LINKS</th>
<th>Link Edit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select HL LOGICAL LINK NODE:</td>
<td>VPSAPPT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Use the <TAB> key to navigate to each field and set the AUTOSTART, QUEUE SIZE, LLP TYPE, and DNS DOMAIN values as shown in the following screen capture.

<table>
<thead>
<tr>
<th><strong>hl7 logical link</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>** node:** VPSAPPT</td>
</tr>
<tr>
<td>** description:** Patient Appt Status</td>
</tr>
<tr>
<td>** institution:**</td>
</tr>
<tr>
<td>** mailman domain:**</td>
</tr>
<tr>
<td>** autostart:** Enabled</td>
</tr>
<tr>
<td>** queue size:** 10</td>
</tr>
<tr>
<td>** LLP type:** TCP</td>
</tr>
<tr>
<td>** dns domain:** &lt;domain-name or ip address of VetLink HL7 server&gt;</td>
</tr>
</tbody>
</table>

**Command:** Press <PF1>H for help Insert

10 is the default queue

Entering Description information is optional
Navigate to the LLP TYPE field and press the <ENTER> key to open the Logical Link Dialog.

In the Logical Link Dialog, enter the TCP/IP ADDRESS or domain name provided separately. Enter port number 5001 for production or 5026 for test into the TCP/IP PORT (OPTIMIZED) field.

<table>
<thead>
<tr>
<th>HL7 LOGICAL LINK</th>
<th>TCP LOWER LEVEL PARAMETERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPSAPPT</td>
<td>TCP/IP SERVICE TYPE: CLIENT (SENDER)</td>
</tr>
<tr>
<td></td>
<td>TCP/IP ADDRESS: XX.XXX.XXX.XXX</td>
</tr>
<tr>
<td></td>
<td>TCP/IP PORT:</td>
</tr>
<tr>
<td></td>
<td>TCP/IP PORT (OPTIMIZED): 5001</td>
</tr>
<tr>
<td></td>
<td>ACK TIMEOUT:</td>
</tr>
<tr>
<td></td>
<td>RE-TRANSMISSION ATTEMPTS:</td>
</tr>
<tr>
<td></td>
<td>READ TIMEOUT:</td>
</tr>
<tr>
<td></td>
<td>EXCEED RE-TRANSMIT ACTION:</td>
</tr>
<tr>
<td></td>
<td>BLOCK SIZE:</td>
</tr>
<tr>
<td></td>
<td>SAY HELLO:</td>
</tr>
<tr>
<td></td>
<td>TCP/IP OPENFAIL TIMEOUT:</td>
</tr>
<tr>
<td></td>
<td>PERSISTENT:</td>
</tr>
<tr>
<td></td>
<td>UNI-DIRECTIONAL WAIT:</td>
</tr>
<tr>
<td>COMMAND:</td>
<td>Press &lt;PF1&gt;H for help</td>
</tr>
<tr>
<td></td>
<td>Insert</td>
</tr>
</tbody>
</table>

When you have entered the required configuration values, use the tab key to navigate to the COMMAND field.

Enter **Save** and press the <ENTER> key to exit.

Navigating to the COMMAND field and enter **Exit** and press the <ENTER> key.

**Note:** On exit you will receive the message, “If you shut down this link to edit, please remember to restart if appropriate”

**Note:** The HLO ports are 5001 for production accounts and 5026 for test accounts. These ports are the default HLO assignments and are automatically established by HLO.

After configuring the VPSAPPT link, use the HL7 Main Menu, HLO option to verify communication/connectivity between the sending and receiving HL7 applications. An example showing how to test HL7 sender and receiver connectivity is shown in the following example.
Brief Operational Overview
SYSTEM STATUS: RUNNING
PROCESS MANAGER: RUNNING
STANDARD LISTENER: RUNNING
TASKMAN: RUNNING
DOWN LINKS:
CLIENT LINK PROCESSES: 2
IN-FLER PROCESSES: 2
MESSAGES PENDING ON OUT QUEUES: 0
STOPPED OUTGOING QUEUES:
MESSAGES PENDING ON APPLICATIONS: 0
STOPPED INCOMING QUEUES: VPS
FILE 777 RECORD COUNT: 0
FILE 778 RECORD COUNT: 0
MESSAGES SENT TODAY: 5
MESSAGES RECEIVED TODAY: 0
MESSAGE ERRORS TODAY: 0

Select Action: Quit
Enter TL at the Select Action: prompt.

Select a TCP link: VPSAPPT

PORT: (1-65535): 5001
Testing....
VPSAPPT:5001 IS operational...
Site HLO port number may differ from the port number, 5001 shown in the example
Hit any key to continue...
If you do not receive the “VPSAPPT: 5001 IS operational…” message, please verify that the DNS Domain, TCP/IP Address and Port number of the VetLink receiving HL7 server have been enter correctly in the HL LOGICAL LINK file.

1. Use a FileMan Inquiry to the HL LOGICAL LINK file #870 and verify the LLP TYPE, DNS DOMAIN, TCP/IP ADDRESS, TCP/IP PORT (OPTIMIZED), and TCP/IP SERVICE TYPE. The VPSAPPT should appear as follows, with the DNS DOMAIN, and TCP/IP Address replaced with the VetLink information provided separately.

<table>
<thead>
<tr>
<th>NODE: VPSAPPT</th>
<th>LLP TYPE: TCP</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE: Shutdown</td>
<td>AUTOSTART: Enabled</td>
</tr>
<tr>
<td>DNS DOMAIN: XX.XXX.XXX.XXX</td>
<td>TIME STOPPED: FEB 23, 2015@13:47:15</td>
</tr>
<tr>
<td>SHUTDOWN LLP ?: YES</td>
<td>QUEUE SIZE: 10</td>
</tr>
<tr>
<td>TCP/IP ADDRESS: XX.XXX.XXX.XXX</td>
<td>TCP/IP SERVICE TYPE: CLIENT (SENDER)</td>
</tr>
<tr>
<td>TCP/IP PORT (OPTIMIZED): 5001</td>
<td></td>
</tr>
</tbody>
</table>

2. If the VPSAPPT entry in the HL LOGICAL LINK file #870 is not correct, use the LINK EDIT option to make any necessary corrections.

3. Repeat the connectivity test in the HLO System Monitor.

If the VPSAPPT entry in the HL LOGICAL LINK file #870 is correct and the link test continues to report 5001 as NOT OPERATIONAL take the following actions.

1. Contact qckiosksupport@vecna.com and include your site name and the information in the HL LOGICAL LINK file. If necessary, escalate to VPS@VA.GOV.

If the HL LOGICAL LINK information is confirmed to be correct, contact your Network Support Group.

1. Request that the Network Support group for your site allow IP addresses associated with any VistA system that might run TaskMan (including failover) be allowed to transmit to the TCP/IP ADDRESS/domain name associated with VPSAPPT at your site’s HL7 port (default HLO port 5001 for production or 5026 for test) and that the TCP/IP ADDRESS/domain name associated with VPSAPPT at your site’s HLO port can send to any VistA port. National Service Desk contact information may be found at https://vaww.aac.va.gov/servicedesk/

When the VPSAPPT HL Logical Link port (<your site’s HLO port>) is operational, complete the VPS HL7 Logical Link configuration by starting the VPSAPPT outgoing HL Logical Link.

1. Do a FileMan inquiry to the PROTOCOL FILE #101 and verify that VPS SEND APPT is listed in the SDAM APPOINTMENT EVENTS entry in the PROTOCOL FILE #101.

2. Do a Fileman inquiry to the VPS HL7 SITE PARAMETERS file #853.1 and verify that the ACTIVE field is set to YES.

To start the HL Logical Link, use the HL7 Main Menu and select the SM HLO System Monitor option as shown in the following example.
**Brief Operational Overview**

SYSTEM STATUS: RUNNING

PROCESS MANAGER: RUNNING

STANDARD LISTENER: RUNNING

TASKMAN: RUNNING

DOWN LINKS:

CLIENT LINK PROCESSES: 2

IN-FILER PROCESSES: 2

MESSAGES PENDING ON OUT QUEUES: 0

ON SEQUENCE QUEUES: 0

STOPPED OUTGOING QUEUES: VPSSEND10957

MESSAGES PENDING ON APPLICATIONS: 0

STOPPED INCOMING QUEUES: VPS

FILE 777 RECORD COUNT: 0

-- as of Feb 22, 2015@16:41:57

FILE 778 RECORD COUNT: 0

-- as of Feb 22, 2015@16:41:57

MESSAGES SENT TODAY: 5

MESSAGES RECEIVED TODAY: 0

MESSAGE ERRORS TODAY: 0

Brief System Status >>>

<table>
<thead>
<tr>
<th>LP</th>
<th>LIST PROCESSES</th>
<th>BS</th>
<th>BRIEF STATUS</th>
<th>TL</th>
<th>TEST TCP LINK</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL</td>
<td>DOWN LINKS</td>
<td>ML</td>
<td>MONITOR LINK</td>
<td>RT</td>
<td>RealTime MODE</td>
</tr>
<tr>
<td>OQ</td>
<td>OUTGOING QUEUES</td>
<td>STOP HLO</td>
<td>SEQ SEQUENCE QUEUES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IQ</td>
<td>INCOMING QUEUES</td>
<td>START HLO</td>
<td>SQ</td>
<td>START/STOP QUEUE</td>
<td></td>
</tr>
</tbody>
</table>

Select Action: Quit // DL

Enter DL at the Select Action: prompt

**Down HLO Links**

Pending Messages

Date/Time Down

Enter RL at the Select Action: prompt and VPSAPPT at the Select a TCP Client Link.

**Down Client Links**

<table>
<thead>
<tr>
<th>SL</th>
<th>SHUTDOWN LINK</th>
<th>RL</th>
<th>RESTART LINK</th>
</tr>
</thead>
</table>

Select Action: Quit // RL

Select a TCP Client Link (Outgoing): VPSAPPT

Once the HL Logical Link, VPSAPPT, has been started, please send an email to VPS@VA.GOV with SUBJECT: ASI HL7 Link and include in the body of the message the Site Name for which the HL7 link has been started. This will serve as notification to the VPS implementation team to validate HL7 messaging at the receiving server.
3.3 Configure Health Summary (HS) Report

Create an Ad Hoc HS report as shown in the following screen capture, using the HEALTH SUMMARY MAINTENANCE MENU (GMTS IRM/ADPAC MAINT MENU).

Select option 2 Create/Modify Health Summary Components.

Select Health Summary Maintenance Menu <TEST ACCOUNT> Option: 2  Create/Modify Health Summary Components
Select COMPONENT: CSQ HS TYPE
Are you adding ‘CSQ HS TYPE’ as a new HEALTH SUMMARY COMPONENT? No//YES (Yes)
HEALTH SUMMARY COMPONENT NUMBER: 442029//
Do you wish to duplicate an existing COMPONENT? YES//NO
NAME: CSQ HS TYPE//
PRINT ROUTINE: HS;VPSSRVY3
ABBREVIATION: CSQ
DESCRIPTION: No existing text
Edit? NO//
TIME LIMITS APPLICABLE: YES yes
MAXIMUM OCCURRENCES APPLICABLE: YES yes
HOSPITAL LOCATION APPLICABLE:
ICD TEXT APPLICABLE:
PROVIDER NARRATIVE APPLICABLE:
LOCK:
DEFAULT HEADER NAME:
Select SELECTION FILE: VPS
  1  VPS CLINICAL SURVEY
  2  VPS QUESTIONNAIRE IDENTIFIERS
  3  VPS QUESTIONNAIRE NAME
CHOOSE 1-2: 3  VPS QUESTIONNAIRE NAME
Are you adding ‘VPS QUESTIONNAIRE NAME’ as a new SELECTION FILE (the 1ST for this HEALTH SUMMARY COMPONENT)? No//YES (Yes)
SELECTION COUNT LIMIT: 3
Select SELECTION FILE:
ADD new Component to the AD HOC Health Summary? NO//YES

>>> EDITING the GMTS HS ADHOC OPTION Health Summary Type
SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: no//YES yes
Do you wish to review the Summary Type structure before continuing? NO//YES

HEALTH SUMMARY TYPE INQUIRY

Type Name: GMTS HS ADHOC OPTION
Title: Ad Hoc Health Summary Type
Owner: POSTMASTER LOCK: GMTSMGR
SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: yes
SUPPRESS SENSITIVE PRINT DATA:

Max Hos ICD Pro CPT
<table>
<thead>
<tr>
<th>Abb</th>
<th>Ord</th>
<th>Component Name</th>
<th>Occ</th>
<th>Time</th>
<th>Loc</th>
<th>Text</th>
<th>Nar</th>
<th>Mod</th>
<th>Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>10</td>
<td>ACTIVE MEDS RECONCIL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLA</td>
<td>15</td>
<td>Active Problems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CD</td>
<td>25</td>
<td>Advance Directive</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BADR</td>
<td>35</td>
<td>Brief Adv React/Allerg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADR</td>
<td>45</td>
<td>Active/Pending/Expir</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSO2</td>
<td>55</td>
<td>BCMA MED HISTORY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCMA</td>
<td>65</td>
<td>BCMA MED LOG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCMS</td>
<td>75</td>
<td>BCMA Specific Drug L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>85</td>
<td>BMI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>95</td>
<td>Braden Scale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRF1</td>
<td>105</td>
<td>CAT I PT RECORD FLAG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>* = Disabled Components</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select COMPONENT: CSQ HS TYPE

SUMMARY ORDER: 1345

OCCURRENCE LIMIT: 5

TIME LIMIT: 1Y

HEADER NAME:

No selection items chosen.

Select new items one at a time in the sequence you want them displayed. You may select up to 1 items.

Select SELECTION ITEM:
Please hold on while I resequence the summary order............................
................................................................................
................................................................................

>>> Returning to Create/Modify Health Summary Component Option.

Select COMPONENT: CSQ HS CALC TYPE

Are you adding 'CSQ HS CALC TYPE' as

a new HEALTH SUMMARY COMPONENT? No// YES (Yes)

HEALTH SUMMARY COMPONENT NUMBER: 442030//

Do you wish to duplicate an existing COMPONENT? YES// NO

NAME: CSQ HS CALC TYPE//

PRINT ROUTINE: HSCAL;VPSSRVY3

ABBREVIATION: CSQ

DESCRIPTION:

No existing text

Edit? NO//

TIME LIMITS APPLICABLE: YES yes

MAXIMUM OCCURRENCES APPLICABLE: YES yes

HOSPITAL LOCATION APPLICABLE:

ICD TEXT APPLICABLE:

PROVIDER NARRATIVE APPLICABLE:

LOCK:

DEFAULT HEADER NAME:
Select SELECTION FILE: VPS

1  VPS CLINICAL SURVEY
2  VPS QUESTIONNAIRE IDENTIFIERS
3  VPS QUESTIONNAIRE NAME

CHOOSE 1-2: 3  VPS QUESTIONNAIRE NAME

Are you adding 'VPS QUESTIONNAIRE NAME' as
a new SELECTION FILE (the 1ST for this HEALTH SUMMARY COMPONENT)? No// YES

(Yes)

SELECTION COUNT LIMIT: 3

Select SELECTION FILE:

ADD new Component to the AD HOC Health Summary? NO// YES

>>> EDITING the GMTS HS ADHOC OPTION Health Summary Type

SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: yes//

Do you wish to review the Summary Type structure before continuing? NO// YES

HEALTH SUMMARY TYPE INQUIRY

Type Name: GMTS HS ADHOC OPTION
Title: Ad Hoc Health Summary Type
Owner: POSTMASTER    LOCK: GMTSMGR

SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: YES

SUPPRESS SENSITIVE PRINT DATA:

<table>
<thead>
<tr>
<th>Max</th>
<th>Hos</th>
<th>ICD</th>
<th>Pro</th>
<th>CPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abb</td>
<td>Ord</td>
<td>Component Name</td>
<td>Occ</td>
<td>Time</td>
</tr>
<tr>
<td>-----</td>
<td>-----</td>
<td>----------------</td>
<td>-----</td>
<td>------</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
<td>ACTIVE MEDS RECONCIL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLA</td>
<td>15</td>
<td>Active Problems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CD</td>
<td>25</td>
<td>Advance Directive</td>
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</tr>
<tr>
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<td>PSO2</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>BCMA</td>
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<td>BCMA MED LOG</td>
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</tr>
<tr>
<td>85</td>
<td>BMI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>95</td>
<td>Braden Scale</td>
<td>10</td>
<td>1Y</td>
<td></td>
</tr>
<tr>
<td>PRF1</td>
<td>105</td>
<td>CAT I PT RECORD FLAG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* = Disabled Components

There may be multiple pages of HS components.
Select COMPONENT: CSQ HS CALC TYPE// CSQ
SUMMARY ORDER: 1350// 1350
OCCURRENCE LIMIT: 5
TIME LIMIT: 1Y
HEADER NAME:

No selection items chosen.

Select new items one at a time in the sequence you want them displayed.
You may select up to 1 items.

Select SELECTION ITEM:
Please hold on while I resequence the summary order............................
............................................................................
..........................

>>> Returning to Create/Modify Health Summary Component Option.

Select COMPONENT:

Press RETURN to continue.

Exit the HEALTH SUMMARY MAINTENANCE MENU.

3.4 Configure Default Clinical Survey Questionnaire Patient Data Object

Create a VPS Clinical Survey Questionnaire Patient Data Object (PDO) using the TIU Maintenance Menu Option.

Select TIU Maintenance Menu Option: 2 Document Definitions (Manager)

--- Manager Document Definition Menu ---
1   Edit Document Definitions
2   Sort Document Definitions
3   Create Document Definitions
4   Create Objects

Select Document Definitions (Manager) Option: 4 Create Objects

START WITH OBJECT: FIRST// <Enter>........................................
............................................................................
............................................................................

Objects                      Nov 17, 2014@14:49:55 Page:16 of 16 Status
1   A1C HGB

A
Delete the Clinical Coordinator value and enter Yourlastname, Firstname to take ownership of the object. You must own the object to edit object values.
Define the VPS CSQ Object method(s)

<table>
<thead>
<tr>
<th>Object</th>
<th>Date/Time</th>
<th>Page</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>215 VPS CSQ PDO</td>
<td>Nov 17, 2014@14:49:55</td>
<td>16 of 16</td>
<td>I</td>
</tr>
<tr>
<td>217 ZOSTER VACCINE DATE</td>
<td>Nov 17, 2014@15:00:03</td>
<td>1 of 1</td>
<td>A</td>
</tr>
</tbody>
</table>

In the Object Method, enter the VPS CSQ data routine shown in bold.

```
OBJECT METHOD: S X=$$GETRPT`VPSSRVY3(DFN,'^TMP(``VPSSRVY3'',$,J)'')
```

Your Object number may differ from 215 as show in the example.
Activate the VPS CSQ PDO

To activate the CSQ PDO, press the <ENTER> Key to return to the Detailed Display screen, and enter **Basics** at the Select Action prompt.

```
Detailed Display       Feb 26, 2015@16:45       Page: 1 of 2
Object CAR2 SCRN CAP

Basics
    Name: VPS CSQ PDO
    VHA Enterprise
    Standard Title:
    Abbreviation:
    Print Name: VPS CSQ PDO
    Type: OBJECT
    IFN: 94
    National
    Standard: NO
    Status: INACTIVE
    Owner: WHELESS, CAROLYN

Technical Fields
    Object Method: S X=$$GETRPT^VPSSRVY3(DFN,``TMP(""VPSPDO1"",$J)"",2,"BUG
    +
    "Help +, - Next, Previous Screen PS/PL
    Basics Try Delete
    Technical Fields Find Quit

Select Action: Next Screen// B Basics
NAME: CAR2 SCRN CAP//
ABBREVIATION:
PRINT NAME: CAR2 SCRN CAP//
PERSONAL OWNER: WHELESS, CAROLYN// WHELESS, CAROLYN
STATUS: (A/I): INACTIVE// **ACTIVE** ACTIVE Entry Activated.
```

Press the <ENTER> key and enter **ACTIVE** in the STATUS field as shown. Quit the TIU Maintenance menu.

Please see the VPS 1*5 Technical Guide for instructions on using the VPS CSQ PDO objects or viewing VPS CSQ Health Summary Ad Hoc reports.