Compensation and Pension Record Interchange (CAPRI)
System Administration and Technical Guide

December 2021

Department of Veterans Affairs

Office of Information and Technology

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Revision History

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Preface

Purpose of the System Administration and Technical Guide

The System Administration and Technical Guide document describes the handling, functionality, and architecture of the CAPRI product. The guide includes detailed information about the technical architecture and components associated with CAPRI.

Reference Numbering System

This document uses a numbering system to organize its topics into sections and show the reader how these topics relate to each other. For example, section 1.3 means this is the main topic for the third section of Chapter 1. If there were two subsections to this topic, they would be numbered 1.3.1 and 1.3.2. A section numbered 2.3.5.4.7 would be the seventh subsection of the fourth subsection of the fifth subsection of the third topic of Chapter 2. This numbering system tool allows the reader to more easily follow the logic of sections that contain several subsections.

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1. Introduction

The Compensation and Pension Record Interchange (CAPRI) project is an information technology initiative to improve service to disabled veterans by promoting efficient communication between the Veterans Health Administration (VHA) and Veterans Benefits Administration (VBA). Online access to medical data enhances the timeliness of the benefits determination. Previous attempts to automate this process were hindered by the "roll and scroll" nature of the VHA computer interface of the Automated Medical Information Exchange (AMIE) II. The CAPRI software acts as a bridge between the VBA and VHA information systems. It offers VBA Rating Veteran Service Representatives and Decision Review Officers help in building the rating decision documentation through online access to medical data. It also offers VHA Compensation and Pension (C&P) staff an easy, standardized way of recording C&P Examination reports.

CAPRI provides VBA employees with a standardized, user-friendly method to rapidly access veterans' electronic medical records throughout the Department of Veterans Affairs (VA). CAPRI delivers leading edge "point and click" technology to the users' desktops. In addition, the learning curve for CAPRI is significantly less than that for character-based systems. CAPRI builds upon existing VHA information security approaches. In addition to using established mechanisms to ensure only authorized access to medical data, CAPRI adds a level of security by allowing VBA users to read but not alter electronic medical record information. CAPRI also provides innovative improvements for medical centers by integrating highly detailed (C&P) Rating examination results into the veterans' medical records. Previously, these reports were not retained online in medical center computer systems but were archived onto paper. This procedure precluded the sharing of clinically useful data.

Initially developed specifically for VBA, the utility of CAPRI has been expanded to other user groups that include VHA, Office of the Medical Inspector, Office of Information (OI), Research, and Veteran Service Officers. Recently, most of the newest features of CAPRI are specifically targeted at adding features to be used by VHA C&P providers and staff.

Note: *This document has extensive use of URLs to enable the user access to the best, current, and specific information available.*

1.1 Acronyms

Term	Definition
A&A	Advisory & Assistance
AHLTA	Armed Forces Health Longitudinal Technology Application (formerly CHCS II, US DoD military health system)
AMIE	Automated Medical Information Exchange
AWIV	Advanced Web Image Viewer
C&P	Compensation and Pension
CAPRI	Compensation and Pension Record Interchange
CPRS	Computerized Patient Record System

Term	Definition
CPWM	Compensation and Pension Worksheet Module
DBQ	Disability Benefits Questionnaire
DoD	Department of Defense
DVBA	The pre-fix for AUTOMATED MED INFO EXCHANGE (namespace). VBA's interface into VistA.
EHR	Electronic Health Record
FHIE	Federal Health Information Exchange
GUI	Graphical User Interface
HTML	HyperText Markup Language
IDE	Interactive Development Environment
IAs	Integration Agreements
IRM	Information Resources Management
IS	Information Systems
IT	Information Technology
MAS	Medical Administration Service
MUMPS / M	Massachusetts General Hospital Utility Multi-Programming System
NCIO	Network Chief Information Officer
NPM	National Patch Module
OI	Office of Information
OIT	Office of Information Technology
RDV	Remote Data View
RO	Regional Office
RPC	Remote Procedure Call
TIU	Text Integration Utilities
URL	Universal Resource Locator (Internet Shortcut – file name extension)
VA	Department of Veterans Affairs
VAMC	VA Medical Center
VBA	Veterans Benefits Administration

Term	Definition
VDL	VA (Software) Document Library
VHA	Veterans Health Administration
VISN	Veterans Integrated Service Network
VistA	Veterans Health Information Systems and Technology Architecture

1.2 Reference Materials

This section contains all referenced materials related to this document.

- http://vbaw.vba.va.gov/bl/21/Systems/capamie.htm
- http://www.va.gov/vdl/
- http://www.va.gov/vdl/application.asp?appid=133
- http://www.va.gov/vdl/application.asp?appid=31
- http://www.va.gov/vdl/application.asp?appid=5
- http://www.va.gov/vdl/application.asp?appid=163

DISCLAIMER: *The appearance of external hyperlink references in the manual does not constitute endorsement by the VA of this Web site 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 consistent with the stated purpose of the VA.*

1.3 CAPRI Technical Support

The following link provides CAPRI specific information regarding obtaining CAPRI access, CAPRI Training, Advanced Web Image Viewer (AWIV) Desk Reference, CAPRI/Virtual VA interactions, and other useful information at: http://vbaw.vba.va.gov/bl/21/DEMO/capri.htm. This link applies to VBA users.

User support questions should be addressed to local IT support staff, Information Resources Management (IRM), or one of the National Service Desks. A ServiceNow ticket may be submitted for CAPRI related issues to the National Service Desk at 1-855-673-4357.

2. Agency Partners

2.1 External Clients

Non-VA users include external reviewers and researchers obtaining information from various VA administrations for their specific authorized purposes.

2.2 Internal Clients

CAPRI is a VHA developed application. The other two administrations within the VA, VBA and the National Cemetery Administration, use CAPRI directly and/or indirectly.

2.2.1. Veterans Health Administration

The following link (URL) provides a complete list of VHA Medical Centers, Outpatient Clinics, Community Based Outpatient Clinics, Vet Centers, and Veterans Integrated Service Network (VISN) locations where the VHA utilizes the CAPRI system.

https://www.benefits.va.gov/benefits/

The level of access granted to users will depend on job function, need to know, and the level of security placed on certain sensitive patient records.

2.2.1.1. VHA Data Portal

This VHA program coordinates access to many of VHA's health information resources that include national databases, EHRs, extracted datasets, and medical record data found in CPRS through CAPRI and Joint Longitudinal Viewer (JLV).

2.2.2. Veterans Benefits Administration

The following table lists the VBA regional office (RO) locations with each of their VBA system name.

Note: *VBA IT continues to use the VA Office of Information Technology (OIT) naming convention method prior to its reorganization. This naming convention is organizational versus geographical in nature. This table reflects that as all VBA IT locations fall under Region 5. VHA IT currently uses the VA OIT current geographical naming convention. Additionally, VBA from a Business Line perspective doesn't use Region 5 but breaks Region 5 down into three separate NCIOs. (See map following this table).*

VBA Region 5	
REGIONAL OFFICE LOCATION	**SYSTEM_NAME**
ST. PETERSBURG REGION	
Atlanta, GA	REGION 5 > VBA > St Petersburg Region > VARO Atlanta > LAN
Baltimore, MD	REGION 5 > VBA > St Petersburg Region > VARO Baltimore > LAN

VBA Region 5	
REGIONAL OFFICE LOCATION	**SYSTEM_NAME**
Columbia, SC	REGION 5 > VBA > St Petersburg Region > VARO Columbia > LAN
Huntington, WV	REGION 5 > VBA > St Petersburg Region > VARO Huntington > LAN
Jackson, MS	REGION 5 > VBA > St Petersburg Region > VARO Jackson > LAN
Little Rock, AR	REGION 5 > VBA > St Petersburg Region > VARO Little Rock > LAN
Louisville, KY	REGION 5 > VBA > St Petersburg Region > VARO Louisville > LAN
Montgomery, AL	REGION 5 > VBA > St Petersburg Region > VARO Montgomery > LAN
Nashville, TN	REGION 5 > VBA > St Petersburg Region > VARO Nashville > LAN
New Orleans, LA	REGION 5 > VBA > St Petersburg Region > VARO New Orleans > LAN
Newark, NJ	REGION 5 > VBA > St Petersburg Region > VARO Newark > LAN
Roanoke, VA	REGION 5 > VBA > St Petersburg Region > VARO Roanoke > LAN
St. Louis, MO	REGION 5 > VBA > St Petersburg Region > VARO St. Louis > LAN
St. Louis RMC, MO	REGION 5 > VBA > St Petersburg Region > VARO St. Louis RMC > LAN
St. Petersburg, FL	REGION 5 > VBA > St Petersburg Region > VARO St. Petersburg > LAN
Washington, DC	REGION 5 > VBA > St Petersburg Region > VARO Washington > LAN
Winston-Salem, NC	REGION 5 > VBA > St Petersburg Region > VARO Winston-Salem > LAN
St. Paul Region	
Boston, MA	REGION 5 > VBA > St Paul Region > VARO Boston > LAN
Buffalo, NY	REGION 5 > VBA > St Paul Region > VARO Buffalo > LAN
Chicago, IL	REGION 5 > VBA > St Paul Region > VARO Chicago > LAN
Cleveland, OH	REGION 5 > VBA > St Paul Region > VARO Cleveland > LAN
Des Moines, IA	REGION 5 > VBA > St Paul Region > VARO Des Moines > LAN
Detroit, MI	REGION 5 > VBA > St Paul Region > VARO Detroit > LAN
Fargo, ND	REGION 5 > VBA > St Paul Region > VARO Fargo > LAN
Hartford, CT	REGION 5 > VBA > St Paul Region > VARO Hartford > LAN
Indianapolis, IN	REGION 5 > VBA > St Paul Region > VARO Indianapolis > LAN
Lincoln, NE	REGION 5 > VBA > St Paul Region > VARO Lincoln > LAN
Manchester, NH	REGION 5 > VBA > St Paul Region > VARO Manchester > LAN
Milwaukee, WI	REGION 5 > VBA > St Paul Region > VARO Milwaukee > LAN
New York, NY	REGION 5 > VBA > St Paul Region > VARO New York > LAN
Philadelphia, PA	REGION 5 > VBA > St Paul Region > VARO Philadelphia > LAN
Pittsburgh, PA	REGION 5 > VBA > St Paul Region > VARO Pittsburgh > LAN
Providence, RI	REGION 5 > VBA > St Paul Region > VARO Providence > LAN
Sioux Falls, SD	REGION 5 > VBA > St Paul Region > VARO Sioux Falls > LAN

VBA Region 5	
REGIONAL OFFICE LOCATION	**SYSTEM_NAME**
St. Paul, MN	REGION 5 > VBA > St Paul Region > VARO St. Paul > LAN
Togus, ME	REGION 5 > VBA > St Paul Region > VARO Togus > LAN
White River Jct, VT	REGION 5 > VBA > St Paul Region > VARO White River Jct. > LAN
Wichita, KS	REGION 5 > VBA > St Paul Region > VARO Wichita > LAN
Wilmington, DE	REGION 5 > VBA > St Paul Region > VARO Wilmington > LAN
SAN DIEGO REGION	
Albuquerque, NM	REGION 5 > VBA > San Diego Region > VARO Albuquerque > LAN
Anchorage, AK	REGION 5 > VBA > San Diego Region > VARO Anchorage > LAN
Boise, ID	REGION 5 > VBA > San Diego Region > VARO Boise > LAN
Denver, CO	REGION 5 > VBA > San Diego Region > VARO Denver > LAN
Cheyenne, WO	REGION 5 > VBA > San Diego Region > VARO Cheyenne > LAN
Fort Harrison, MT	REGION 5 > VBA > San Diego Region > VARO Fort Harrison > LAN
Honolulu, HI	REGION 5 > VBA > San Diego Region > VARO Honolulu > LAN
Houston, TX	REGION 5 > VBA > San Diego Region > VARO Houston > LAN
Los Angeles, CA	REGION 5 > VBA > San Diego Region > VARO Los Angeles > LAN
Manila, PI	REGION 5 > VBA > San Diego Region > VARO Manila > LAN
Muskogee, OK	REGION 5 > VBA > San Diego Region > VARO Muskogee > LAN
Oakland, CA	REGION 5 > VBA > San Diego Region > VARO Oakland > LAN
Phoenix, AZ	REGION 5 > VBA > San Diego Region > VARO Phoenix > LAN
Portland, OR	REGION 5 > VBA > San Diego Region > VARO Portland > LAN
Reno, NV	REGION 5 > VBA > San Diego Region > VARO Reno > LAN
Salt Lake City, UT	REGION 5 > VBA > San Diego Region > VARO Salt Lake City > LAN
San Diego, CA	REGION 5 > VBA > San Diego Region > VARO San Diego > LAN
San Juan, PR	REGION 5 > VBA > San Diego Region > VARO San Juan > LAN
Seattle, WA	REGION 5 > VBA > San Diego Region > VARO Seattle > LAN
Waco, TX	REGION 5 > VBA > San Diego Region > VARO Waco > LAN

This is the VBA's Region 5 Business Line perspective Network map of CIOs:

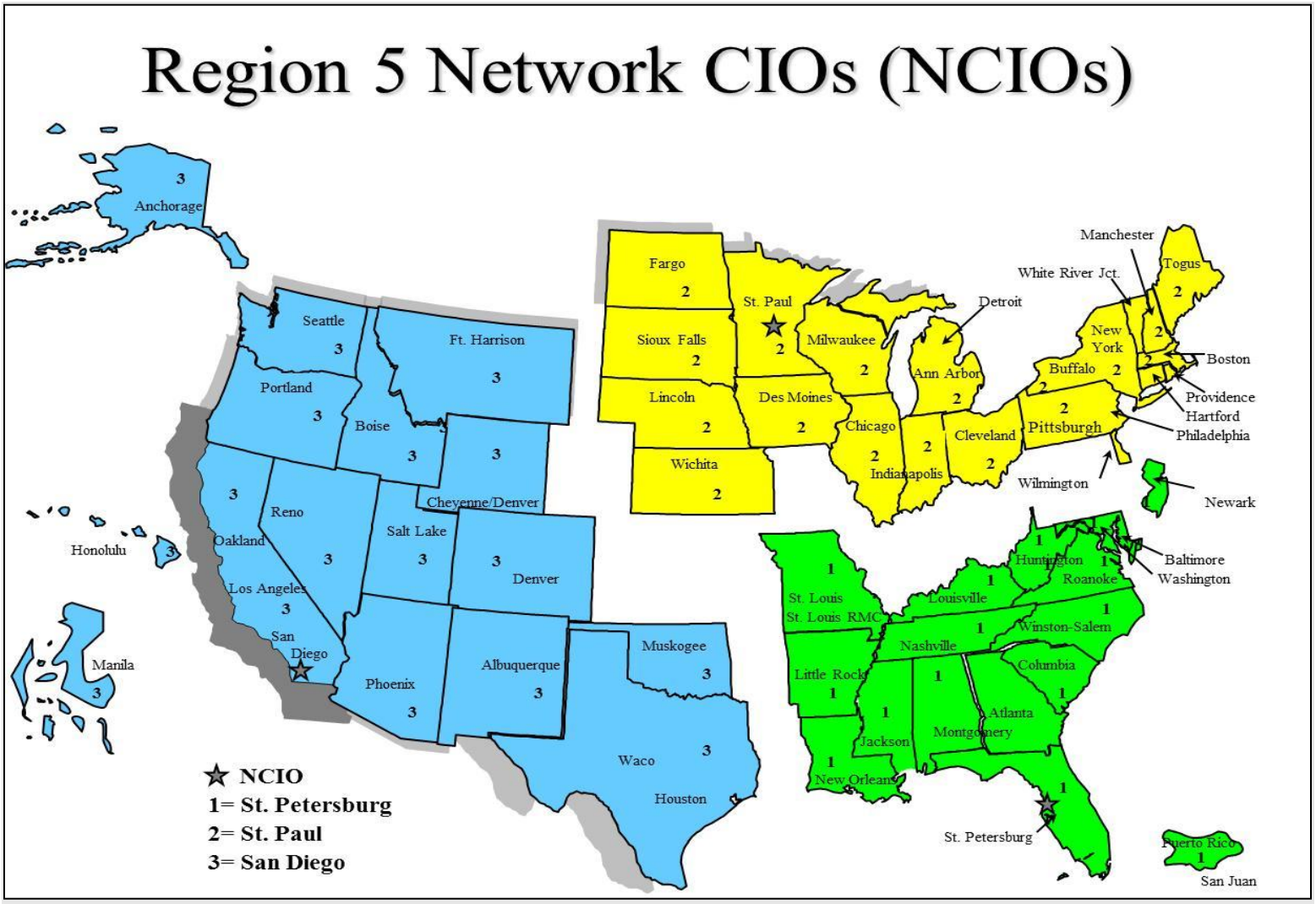

Figure 1 VBA's Region 5 Business Line perspective Network map of CIOs

2.2.2.1. Veteran Service Organization (VSO)

All VSO offices are co-located with VBA regional offices as shown in the table of the previous Section 2.2.2. The VSO has authorized CAPRI read-only permissions for specific claimant's EHR. This access allows the VSO to help a veteran who is preparing a VA benefit claim.

CAPRI offers VSO users:

- A national user account option with a single access/verify code, from which authorized users can view a Veteran's entire VA health record from any site where the Veteran has been seen
- Customizable reports and health summaries
- C&P exam requests and results
- A search feature that enables users to search progress notes and discharge summaries for text
- Access to current and past AMIE C&P claims activity
- Access to Joint Longitudinal Viewer (JLV) for integrated read-only view of health data

2.2.3. Joint Longitudinal Viewer

The JLV provides an integrated read-only view of health data from all VA and VA community partner sites where the Veteran or Service member has received care.

2.2.4. National Cemetery Administration

The National Cemetery Administration does not directly use the CAPRI application, but receives its verified veteran information through VBA. VBA uses CAPRI to acquire this veteran information.

2.2.5. VA Office of Inspector General

The VA Office of Inspector General performs audits and conducts research for reports when directed using CAPRI accessed data.

3. Systems Relationship

3.1 Database Integration Agreements (DBIAs)

There is a large amount of data as well as continual changes within the DBIAs. Therefore, it is recommended to follow these steps to obtain the most current and valid DBIAs for the CAPRI/AMIE package.

3.1.1. Custodial Agreements

A list of CAPRI/AMIE current custodial Integration Agreements (IAs) can be created by FORUM users with DBA Menu access by following these steps:

1. Log on to FORUM
2. DBA Menu
3. Integration Control Registrations Menu
4. Custodial Package Menu
5. Active ICRs by Custodial Package Option
6. Select Package Name: AMIE

3.1.2. Subscriber Agreements

A list of CAPRI/AMIE current subscriber IAs can be created by FORUM users with DBA Menu access by following these steps:

1. Log on to FORUM
2. DBA Menu
3. Integration Control Registrations Menu
4. Subscriber Package Menu
5. Print Active by Subscriber Package Option
6. Start with subscribing package: AUTOMATED MED INFO A
7. Go to subscribing package: AUTOMATED MED INFO Z

4. Account Management

4.1 Establishing CAPRI Account

CAPRI access for local VHA medical center users is managed by the local IRM/ISO staff at the medical center, just like any other application (i.e. roll-and-scroll VistA, CPRS, BCMA, etc.). HIA only manages CAPRI users that authenticate/authorize through the CLAIMS system.

Once you obtain access and depending on your role you will be able to create additional accounts using CAPRI tools. Refer to the latest version of the CAPRI GUI User Manual in the VA (Software) Document Library (VDL); see section "Edit Remote User Site Access" at the following URL:

https://www.va.gov/vdl/application.asp?appid=133

5. Installing CAPRI

Note: *It is important that all users at your site remain on the same version.*

The AMIE package must be installed and maintained at VistA sites with patient data that will be accessed through the CAPRI GUI application. Installation and configuration of the AMIE package is described in the AMIE Installation Guide, Technical Manual, and Release Notes found at: http://www.va.gov/vdl/application.asp?appid=31

The AMIE package is maintained through patches in the Department of Veterans Benefits Administration (DVBA) namespace, issued through the VistA National Patch Module (NPM).

For the VBA, the new version runs when the user starts the application from **Start/All Programs/VBAPPS/CAPRIREMOTE.** The user can make new Windows desktop shortcuts (see Section 7.1) after starting the new version.

For the VHA, the IRM department will install the CAPRI desktop icon. Please check with them on the specifics of starting CAPRI. Normally, the user should find the CAPRI shortcut in the same place the user would find the Computerized Patient Record System (CPRS).

Local VistA Connection: The CAPRI shortcut can be set to connect to a specific VistA system. CAPRI will accept the command line parameters **s=servername** and **p=portname**, just like CPRS.

CAPRI REMOTE: CAPRI Remote users access CAPRI through the Claims system, which runs on the VHA Forum hardware. The server for those users should be set to **CLAIMS.MED.VA.GOV**, port **9400**. For more details reference the latest version of the CAPRI GUI User Manual, see section "CAPRI Remote Functionality" at the following URL: http://www.va.gov/vdl/application.asp?appid=133

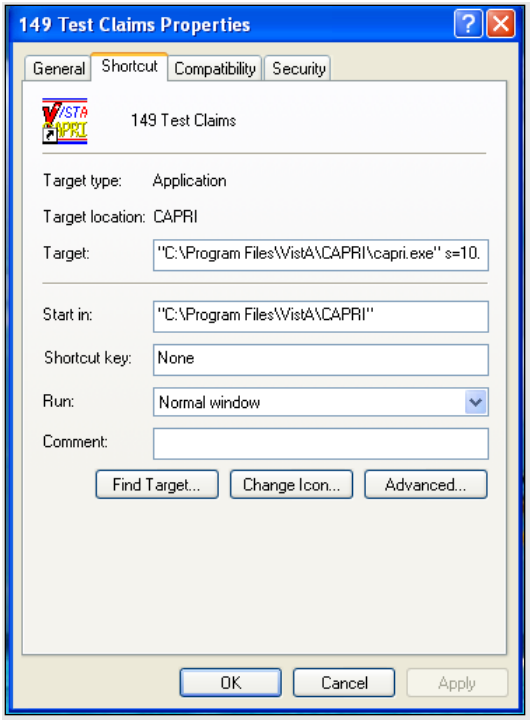

Figure 2 Test Claims Properties

5.1 Re-Route Functionality/Adding Member to Mail Group

Those at the site who require access to the re-route capabilities in CAPRI will need to manually be added to the DVBA C 2507 REROUTE MAIL GROUP in order to successfully utilize the re-route functionality added in patch DVBA*2.7*227. Only Mail Group Coordinators can add people to the mail group, this mail group does not allow self-enrollment. To add someone to the mail group, please follow the instructions below.

Step 1 – Select the following MAIL GROUP NAME: **DVBA C 2507 REROUTE**

Step 2 – Select the member you wish to add to the mail group. A prompt will ask if you are selecting said member as a new member. Type **Yes**.

Step 3 – Select the **TYPE.** User may select appropriate response.

6. CAPRI Distribution Files

6.1 CAPRI GUI Client Software

Documentation can be found on the VA Software Documentation Library at: https://www.va.gov/vdl/.

The following files will be available:

Required Distribution Files to Run the CAPRI Application

```
File Name              Contents                        Retrieval format
---------              --------                        ----------------
DVBA_##_P###_##.ZIP    File(s) indented below:         BINARY

    - CAPRI.exe            CAPRI v227 executable
    - CAPRI.map            CAPRI error map
    - CAPRI_Help.chm       CAPRI On-line Help
    - CAPRISession.rdox    MicroFocus Reflection session
                           configuration
    - CapriTerminalEmulators.ini
    - DelZip192.dll        Delphi Zip file support
    - DelZip192x64.dll     Delphi Zip file support
    - libeay32.dll         VLER /DAS dynamically linked library
    - libgcc_s_dw2-1.dll   Support PDF compression and Linearization
    - libstdc++-6.dll      Support PDF compression and Linearization
    - qpdf.exe Support PDF compression and Linearization
    - qpdf13.dll           Support PDF compression and Linearization
    - ssh_config           Secure Shell configuration
    - Ssleay32.dll         VLER /DAS dynamically linked library
    - Tutil32.dll          Windows O/S support files
    - UnzDll.dll           Delphi Unzip support files
    - VACAPRIVVA.dll       Virtual VA dynamically linked library
```

Optional Distribution Files which Contain Important User Info

```
 - CAPRI_GUI_ISG.doc     CAPRI GUI Installation Supplemental Guide
DVBA__##_P###_RN.PDF     Patch Release Notes           BINARY
DVBA__##_P###_UM.PDF     Updated CAPRI User Manual     BINARY
CAPRI_SYSTEMADMINTECHGUIDE_DVBA_27_TM.PDF  SAT GUIDE   BINARY
```

Note: *The VDL web site is usually updated within 1-3 days of the release date and will contain the "Release Notes" and if updated the "CAPRI GUI User Manual" as shown in the highlighted text above. The VDL's URL is:* http://www.va.gov/vdl/application.asp?appid=133

7. Logging onto CAPRI

The information is this section is a combination from several different sources but most of the information can be found in the latest version of the CAPRI GUI User Manual, see section "Logging On" at the following URL: http://www.va.gov/vdl/application.asp?appid=133

Please check this main source, the latest version of the CAPRI GUI User Manual, for any updated information that may not be found here.

7.1 Desktop Icon Shortcuts Setup

Note: *It is important that all users at your site remain on the same version. Additionally, there is no required fixed location for the CAPRI executable. The location is at the discretion of each installing facility. CAPRI is routinely installed in the Program Files/VistA/CAPRI directory of a user's workstation. Many sites install the GUI on a network share drive and place a shortcut on the user's workstations. Other sites install the GUI on a Citrix server for remote access.*

IT will install the CAPRI desktop icon. Please check with them on the specifics of starting CAPRI. Normally, the user should find the CAPRI shortcut in the same place the user would find the CPRS.

Local Vista Connection: The CAPRI shortcut can be set to connect to a specific VistA system. CAPRI will accept the command line parameters **s=servername** and **p=portname**, just like CPRS. See the "Additional Information" section; subsection "Installation," in the latest version of the CAPRI GUI User Manual, at the following URL: http://www.va.gov/vdl/application.asp?appid=133

7.2 Non-CAPRI Remote Users

Step 1 – The user starts by double-clicking the CAPRI icon.

Step 2 – **OPTIONAL** – If the workstation has been configured with serverlist.exe by IRM, and if there is no server and port information in the CAPRI shortcut, a window will appear asking the user to select an initial server and port (see following screenshot). Selecting the down arrow in the upper right corner displays all the VHA sites the user can access. A scroll bar appears if the list is too long to be displayed. If the user has access to only one VHA facility, then the VistA sign on screen in **Step 5** is displayed immediately.

Step 3 – **OPTIONAL** – The user scrolls to the name of the desired VHA facility, if it is not already visible, and clicks it to select it.

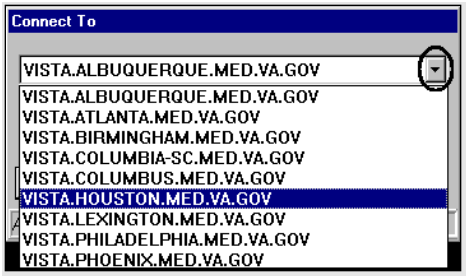

Figure 3 Connect To Window

Step 4 – **OPTIONAL** – The user clicks **OK**

Figure 4 Connect To Window Selection

Step 5 – The user enters a VistA Access Code, presses the **Tab** key, and then enters the Verify Code. The user then presses **Enter** or clicks **OK**. This takes the user to the Patient Selector Screen.

Note: *New users without access codes should contact local IRM staff to get one.*

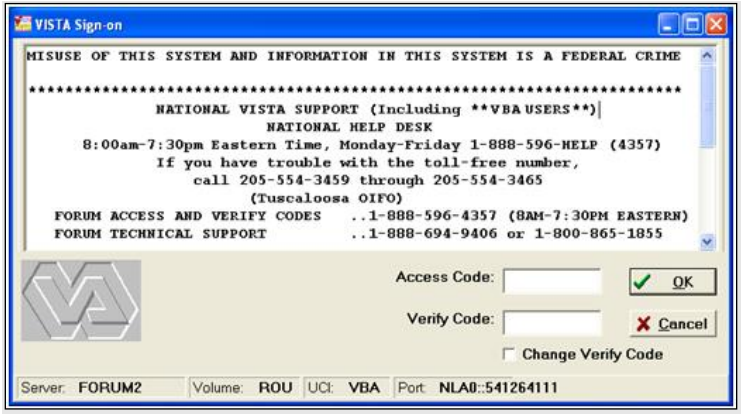

Figure 5 VistA Sign-on

7.3 Regional Office CAPRI Remote Users

Most VBA users are CAPRI Remote users. Each CAPRI Remote user needs only one Access Code and one Verify Code to connect to authorized VA Medical Center (VAMC) sites.

Step 1 – From the Start/VBAPPS/CAPRI Remote/CAPRI Remote menu, the user clicks the **CAPRI** icon.

Step 2 –After entering the VistA Access Code, the user presses the **Tab** key to go to the next field and enters the Verify Code. Then the user presses **Enter** or clicks **OK**

Note: *New users without access codes should contact local IRM staff to get one. The first time the user logs into a VistA application, only the Access Code should be entered. CAPRI will then prompt the user to create a Verify Code. Most users should have a valid Access and Verify Code combination by the time they use CAPRI.*

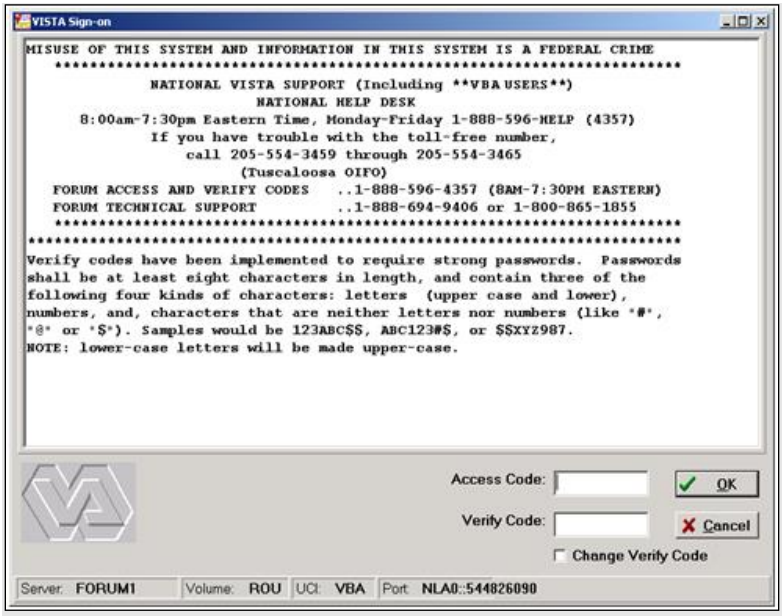

Figure 6 VistA Sign-on Enter Access/Verify

OPTIONAL – To change the **Verify Code**, the user selects the **Change Verify Code** checkbox on the sign-on dialog before clicking **OK**. The user will then be prompted to create a new **Verify Code** as shown in the steps in the following screenshot.

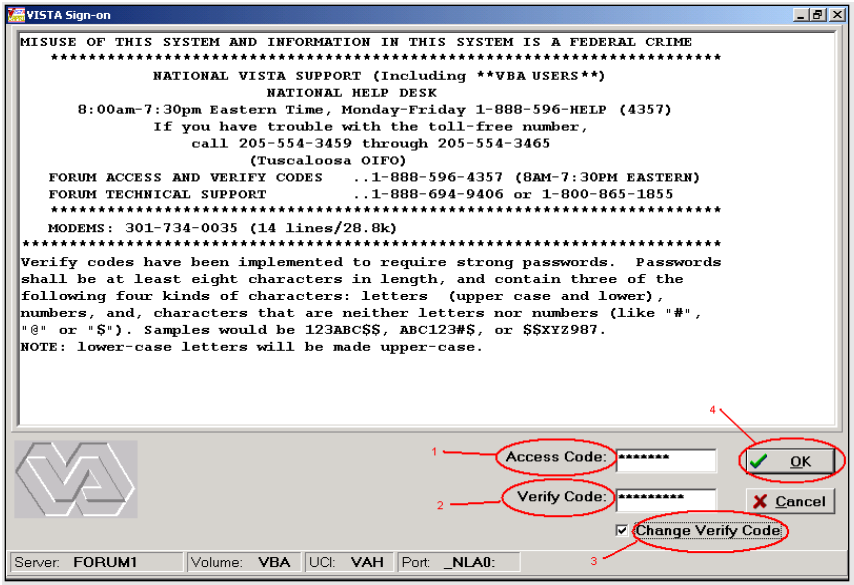

Figure 7 VistA Sign-on – Change Access/Verify code

After selecting **OK**, the user is prompted to enter and confirm a **New Verify Code**

Figure 8 Change Verify Code

Step 3 – The CAPRI Remote site selection screen displays the user's authorized VHA facilities. (These accesses are established when an account is initially created and/or the user request specific facilities along with the proper approvals after the account creation. This facility information is located in the CAPRI file 396.96.) When the user selects a CAPRI Remote site executable it provides the authorized remote sites. If shown, the vertical scrollbar is used to scroll through all authorized sites. The user selects a site and then either double-clicks the site's name or clicks **OK** to access that site. CAPRI has been modified to include the city and state where each facility is located. In addition, the list may now be sorted by State. The following screenshot shows DEV/FEX Test System in Troy, New York as the selected VHA facility.

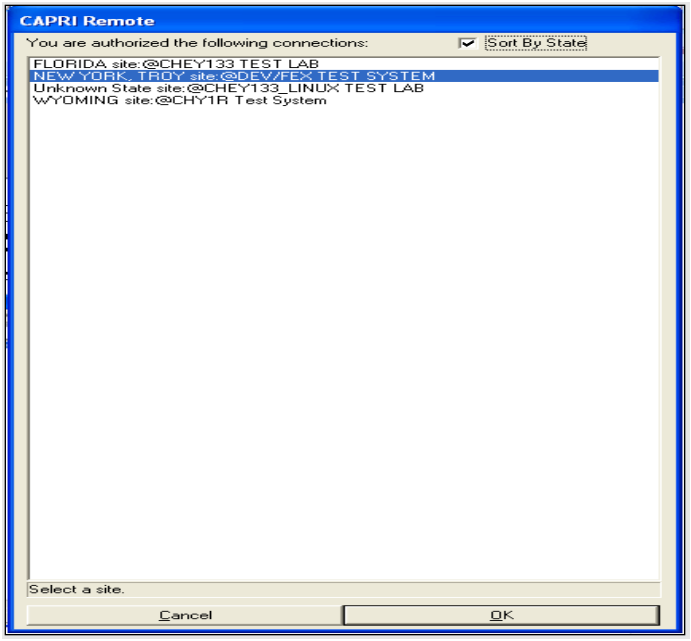

Figure 9 CAPRI Remote Site Selection Screen

After CAPRI loads the VHA facility, the user is prompted with the Patient Selector screen. Instructions for use of the Patient Selector screen are found in section "CAPRI – Using the Software" of the latest version of the CAPRI GUI User Manual at the following URL: http://www.va.gov/vdl/application.asp?appid=133

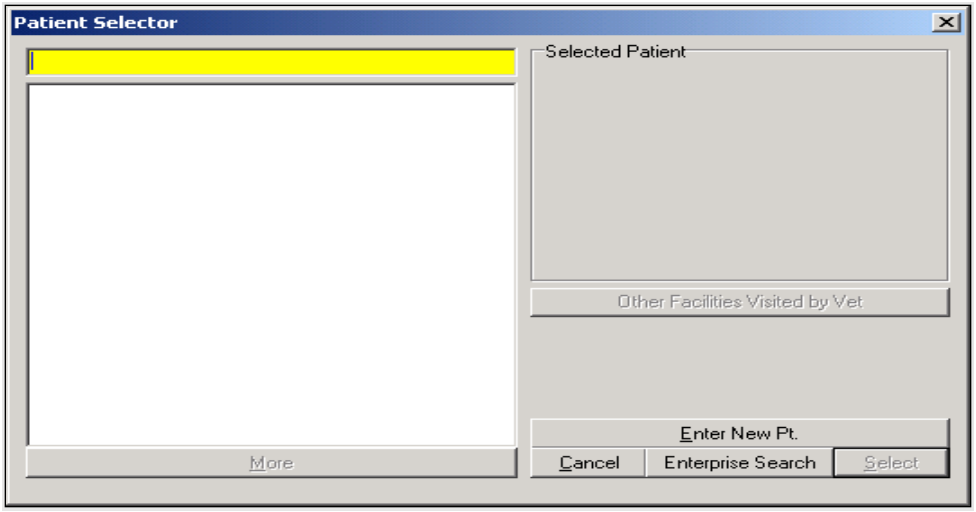

Figure 10 Patient Selector Screen

7.4 CAPRI Remote Users

CAPRI Remote users access CAPRI through the Claims system, which runs on the VHA Forum hardware. The server for those users should be set to (see screenshot below).

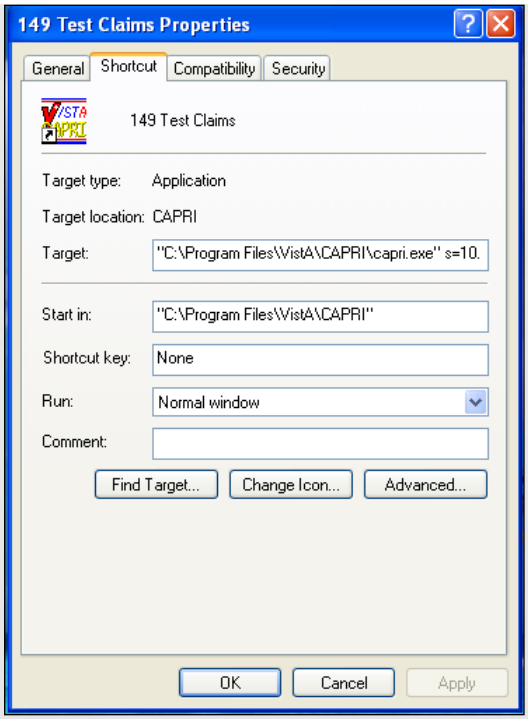

Figure 11 Test Claims Properties

CAPRI Remote users outside of VBA will normally obtain an access code from the Office of Information (OI) support staff, not from the local field site. Most VBA users are CAPRI Remote users. Most VHA users are local site users. If a user starts CAPRI and does not successfully connect to a VistA system within 90 seconds, CAPRI automatically shuts down.

When users log into CAPRI remotely, CAPRI alerts users when no email account is set up.

For additional information see the CAPRI Remote Functionality section in the CAPRI GUI User Manual at the following URL: http://www.va.gov/vdl/application.asp?appid=133

7.5 VistA Terminal

The "Attachmate Reflections Secure Shell" application replaces the telnet window. CAPRI Remote users can launch a VistA Terminal session by selecting the VistA button to log into the local VistA system site they are assigned to. A dialog box is displayed when the VistA button is clicked that provides the user the ability to choose between connecting using the secure shell application or telnet. The default is set to secure shell application.

Note: *Local CAPRI users will not have access to the VistA Terminal from CAPRI and the VistA button will not be available.*

7.6 Terminal Server Users

Step 1 – From the Hines terminal server application, the user double-clicks the **CAPRI** icon.

Step 2 – Follow the instructions in the previous Section 4.3.2, Regional Office CAPRI Remote Users, **Steps 2** and **3**.

7.7 CAPRI News

The SharePoint initialization process has been removed from CAPRI. Functionality is now a Launch News dialog that pulls the SharePoint URL form VistA provides this URL to the user and has a button which can launch the SharePoint in an external browser. To access this functionality, select the Tools menu, then select "News…".

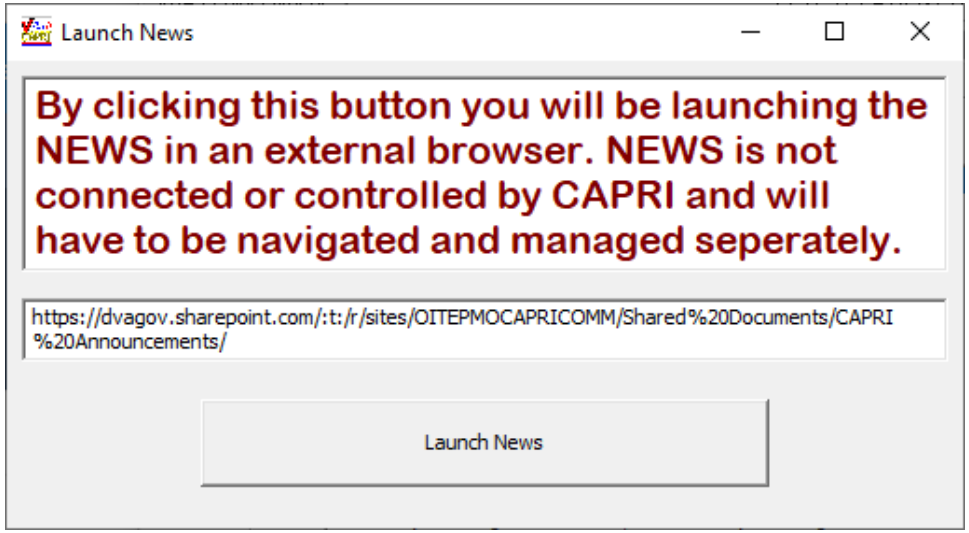

Figure 12 CAPRI News

7.8 CAPRI Alerts

When users of the CAPRI C&P Template functionality log into CAPRI, any existing CAPRI Template Alerts are displayed.

CAPRI automatically checks pending Compensation and Pension Worksheet Module (CPWM) Template statuses. Pending templates in the user's queue are displayed on the alert screen. The C&P Alert screen displays alerts according to template status. Alerts for template statuses are: **draft**,

awaiting signature, **sent back from reviewer**, **requiring review**, **CPRS documents to cosign**, **cosigned documents ready to transfer to AMIE, and vendor exam requests pending review.**

The user clicks the **Resolve This Alert** button to be taken to the section of CAPRI where the alert can be resolved. For example, if the user has unsigned templates, then he or she is taken to the **Unsigned Templates** window.

The user may select **Continue** to bypass the alerts and go to the **Patient Selector** screen.

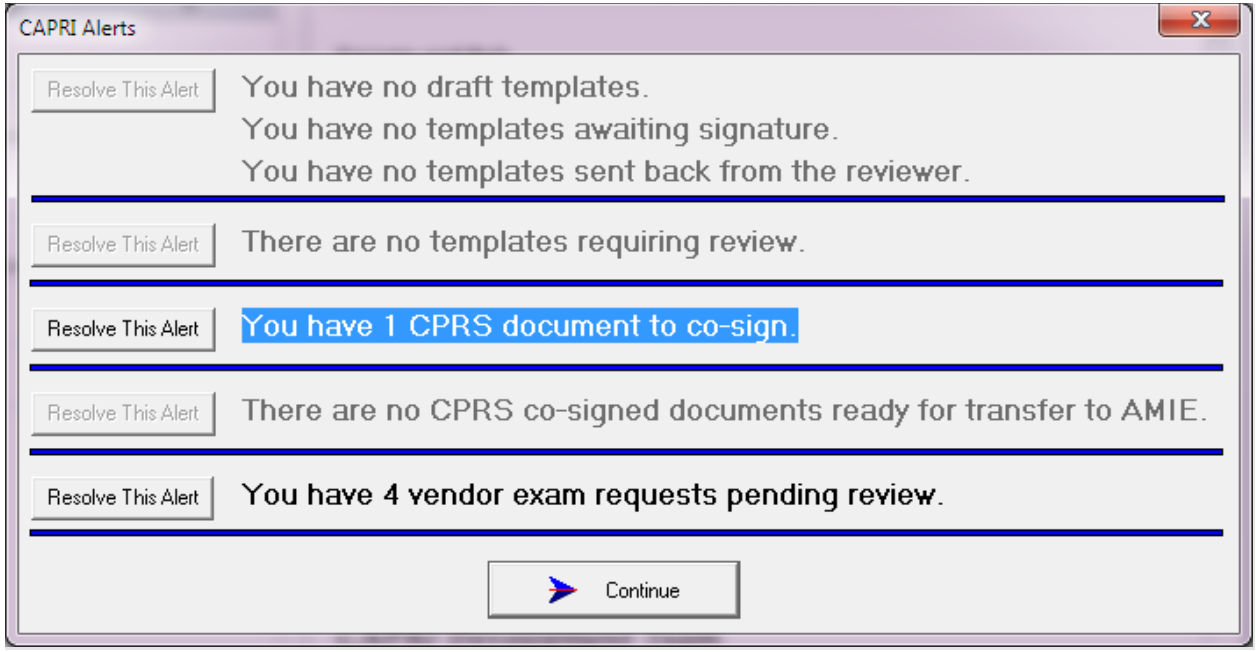

Figure 13 CAPRI Alerts

7.9 Audit Kept

The following instructions are to view your audit log. This is an example only, use your correct information to locate your log.

Example: The log file is named - DVBA_2.7_BuildVersion_dd_mm_yy.TXT

Go to: C:\Documents and Settings\YourVAUserName\Local Settings\Temp\DVBA_2.7_ BuildVersion_dd_mm_yy.txt

8. CAPRI Application Maintenance

8.1 CAPRI Application Software Maintenance

The National Patch Module currently resides on the FORUM server and is used to release VistA patches nationally.

Updates to the CAPRI application are distributed through the VA FORUM National Patch Module (NPM) under the DVBA namespace. The DVBA namespace is shared with the Automated Medical Information Exchange (AMIE) package. Patch names follow the format "DVBA*Version*PatchNumber."

The patch consists of the patch description and the routines and VistA FileMan components in PackMan format for installation on the VistA server. The patch description consists of an overview description of the patch, a functional overview, a list of the components released by the patch, retrieval instructions for the software and documentation, and installation instructions for the VistA server portion of the patch.

CAPRI executable and documentation associated with the patch are retrieved from an FTP server designated by the VA for software downloads. The software retrieval instructions are always added by the developer in the SOFTWARE AND DOCUMENTATION RETRIEVAL section of the patch description. A separate installation guide is provided with each CAPRI patch that provides instructions for installing the CAPRI GUI. New versions of the CAPRI GUI do not require installation of previous versions.

The Associated Patches section of the Patch Description lists any previous patches that must be installed prior to the new patch. The Functional Overview section of the patch describes the functional and technical changes included in the patch. The Installation Requirements section provides detailed instructions on the installation of all patch components.

When a CAPRI patch includes new GUI, the Software and Documentation Retrieval section indicates the name of the GUI distribution (zip) file, the installed executable version, and the file size. This section also provides primary and alternative FTP download locations of the installation file, any Release Notes, and other updated documentation files. Updated patch documentation is uploaded to the VDL within three days of the patch release at the following URL:

http://www.va.gov/vdl/application.asp?appid=133

When a CAPRI patch contains a new GUI version, users should be aware of any notes regarding the timing of installation of the M components and providing the new GUI to users.

VA staff with access to FORUM can subscribe to receive notification of newly released CAPRI patches by selecting the FORUM "Patch User Menu" option, "Select Packages for Notification" sub-option, then selecting the AMIE package.

8.2 C&P Worksheet Template Maintenance

CAPRI template files are in an ever-evolving environment. To obtain the latest information available information it is best to retrieve a list each time.

CAPRI examination templates are stored in the CAPRI TEMPLATE DEFINITION file. This file maintains a list of definitions used to generate examination templates in the CAPRI Graphical User Interface (GUI). Entries in the CAPRI TEMPLATE DEFINITION file are used by the CAPRI application to create the examination templates in the CAPRI GUI. Retired template definitions are retained in the file for historical purposes. This file should remain standardized between all sites. No additions, modifications, or editions should be made to this file except through the remote PUSH utility.

Entries in the CAPRI TEMPLATE DEFINITION file are maintained remotely. The Business Engineering Services Team (BEST) team manages the CAPRI TEMPLATE DEFINITION file using the CAPRI Template PUSH utility. Organizationally, the (BEST) falls under Systems Management within the VHA Chief Business Office (CBO). Insight into this utility can be gained from the CAPRI PUSH DBQ Utility User Manual document at the following URL:

http://www.va.gov/vdl/application.asp?appid=133

This utility is used only by VBA Comp Service. PUSH utility users log onto the CLAIMS Server for authentication and verification. The user performing a PUSH operation must be assigned the option DVBA MANAGE CAPRI TMPLTES GUI option. This option exists only on the CLAIMS and TEST CLAIMS systems, since this is where the operator is authenticated and where the initial context is created. The option DVBA CAPRI GUI is used to create the context for connection to sites where the template definitions are actually updated.

9. Applications Development Tools and Usage

9.1 Code Repository Tool (Version Control)

The Delphi application utilizes the GitHub Repository for version control. Its VA approval documentation is located at URL: https://github.ec.va.gov/EPMO/capri-gui

9.2 CAPRI Source Files for Delphi 10.2

The CAPRI application is developed in Delphi 10.2. Standard source file name extensions are preserved as required by the development tool. These file name extensions are .dfm, .pas, .res, and .drc.

The CAPRI source files are stored on a GitHub Repository. Your code must be checked into ClearQuest once modifications have passed testing by the developer.

Due to the longevity of the CAPRI project only limited unit description and usage is available. The developer will need to reference the CAPRI GUI User Manual to obtain and understand what logic occurs when executing the application. By using the CAPRI GUI User Manual, adding break points in the Delphi 2006 IDE, the developer will obtain an understanding of the Functions, Procedures, RPCs, input and output file, and parameter list and usage.

Select the latest version of the CAPRI GUI User Manual at the following URL: http://www.va.gov/vdl/application.asp?appid=133

For any additional assistance refer to Section 1.3, CAPRI Technical Support, for contact information.

10. Remote Procedure Calls

10.1 CAPRI Remote Procedure Calls Logger

The RPC Logger was created to better identify errors received in the field. Only members of the IT support team will have the ability to view the log file. By default, the RPC Logger is set to **OFF** and is controlled by a command line parameter in the Shortcut Target line. Below are the defined command line parameters accepted to control the status of the RPC Logger:

- CAPRI will accept the command line parameters **CH=**
- Omitting the **CH=** parameter or setting **CH=0** will turn off the RPC Logger.
- The CH= parameter can be followed by any number. The number will represent the number of days to keep the log before writing over the data stored. For example, the command line parameter **CH=3** will turn on the RPC Logger and store data for 3 days. On the 4th day the logger will be deleted and start storing data for another 3 days.

10.2 CAPRI Remote Procedure Calls (RPCs) for MUMPS

See (Appendix A - CAPRI Remote Procedure Calls for MUMPS for a list of detailed RPCs used by the CAPRI Graphical User Interface (GUI) software.

To duplicate the list of RPCs in Appendix <>, do the following:

1. Type "D P^DI" to start FileMan.
2. At "Select OPTION:", select option 2, "PRINT FILE ENTRIES."
3. At "OUTPUT FROM WHAT FILE:", enter "REMOTE PROCEDURE."
4. Accept the default for "SORT BY: NAME//" by hitting RETURN.
5. At "START WITH NAME: FIRST//", enter "DVBA" to start with the first CAPRI RPC name.
6. At "GO TO NAME: LAST//", enter "DVBC" to list all of the CAPRI namespace RPCs.
7. Accept the default for "WITHIN NAME, SORT BY:"
8. At "FIRST PRINT FIELD:", Enter a "?" and then "Y" for "Do you want the entire nn-Entry FIELD list?". The list will be displayed for you to choose from.

9. At "FIRST PRINT FIELD:" prompt, enter ".01" for NAME. At each successive "THEN PRINT FIELD:" prompt, enter the field numbers listed here:

   .02 TAG

   .03 ROUTINE

   .04 RETURN VALUE TYPE

   .06 INACTIVE

   1 DESCRIPTION (word-processing)

   2 INPUT PARAMETER
   At "THEN PRINT INPUT PARAMETER SUB-FIELD:" after entering "2," click RETURN to bypass sub-fields.

   3 RETURN PARAMETER DESCRIPTION

10. At the next "THEN PRINT FIELD:", press RETURN to complete the list of desired fields.
11. For the heading, answer "Replace" with "REM...," then answer "With" with RETURN to remove a heading, or enter a heading.
12. At the "STORE PRINT LOGIC IN TEMPLATE:" select or create a Print Template, or take the default to bypass creating a print template.
13. At "DEVICE:", answer "0;80;99999" to display the RPC listing to your screen.

Copy and paste the results into a word processing application for possible cleanup.

This is an example of the dialog:

```
From the VA FileMan menu, select "Print File Entries"
VA FileMan
     VA FileMan Version 22.0

     Enter or Edit File Entries
     Print File Entries
     Search File Entries
     Modify File Attributes
     Inquire to File Entries
     Utility Functions ...
     Data Dictionary Utilities ...
     Transfer Entries
     Other Options ...

Select VA FileMan Option:   PRINT FILE ENTRIES

OUTPUT FROM WHAT FILE: PATIENT// REMOTE PROCEDURE    (2998 entries)
SORT BY:  NAME//
START WITH NAME:  FIRST// DVBA
GO TO NAME:  LAST// DVBC
   WITHIN NAME, SORT BY:
FIRST PRINT FIELD: ?     (enter "?" to view available fields)
  Answer with FIELD NUMBER, or LABEL
  Do you want the entire 14-Entry FIELD List? Y  (Yes)
     Choose from:
     .01          NAME
     .02          TAG
     .03          ROUTINE
     .04          RETURN VALUE TYPE
     .05          AVAILABILITY
     .06          INACTIVE
     .07          CLIENT MANAGER
     .08          WORD WRAP ON
     .09          VERSION
     .1           SUPPRESS RDV USER SETUP
     .11          APP PROXY ALLOWED
    1             DESCRIPTION  (word-processing)
    2             INPUT PARAMETER  (multiple)
    3             RETURN PARAMETER DESCRIPTION  (word-processing)

FIRST PRINT FIELD:    .01     NAME
THEN PRINT FIELD:  .02     TAG
THEN PRINT FIELD:
Heading (S/C): REMOTE PROCEDURE LIST    Replace REM...  With YOUR HEADING
   Replace
     YOUR HEADING
START AT PAGE: 1//
DEVICE: 0;80;9999  UCX/TELNET
YOUR HEADING                                          MAY 22,2012  11:53      PAGE 1
NAME                                TAG
-----------------------------------------------------------------------------------------------------------------------

DVBA 2507 REQUEST             CNP
DVBA CHECK PATCH              CHECK
```

Figure 14 Display the RPC listing to your screen

11. FileMan

11.1 Installation Procedures and Usage

All VA FileMan documentation is available on the VDL, accessible at the following URL: http://www.va.gov/vdl/application.asp?appid=5

There is also additional documentation regarding other FileMan information i.e. FileMan Tips, etc.… is accessible at: http://www.hardhats.org/index.html

Note: *Using the Freedom of Information Act this website obtained documentation from the VA for VISTA. In general this site gathers information from multiple sources including the VA website.*

11.1.1. Environmental Setup

The VA FileMan V.22 Key and Index Tutorial document contains the environmental setup information at the following URL: http://www.va.gov/vdl/application.asp?appid=5

11.1.2. Installation Guide

Access the VA FileMan Installation Guide at: https://www.va.gov/vdl/application.asp?appid=5

11.1.3. Getting Started

Access the VA FileMan Getting Started User Manual at: https://www.va.gov/vdl/application.asp?appid=5

11.1.4. FileMan Access Codes

The following table is a list of recommended VA FileMan access codes associated with each file contained in the AMIE software.

FILE NUMBER	FILE NAME	DD ACCESS	RD ACCESS	WR ACCESS	DEL ACCESS	LAYGO ACCESS
31	Disability Condition	@	D	@	@	@
396	Form 7131	@	#	#	#	#
396.1	AMIE Site Parameter	@	#	#	@	@
396.2	AMIE Report	@	#	#	#	#
396.3	2507 Request	@	#	#	#	#
396.4	2507 Exam	@	#	#	#	#
396.5	2507 Cancellation Reason	@	#	@	@	@

FILE NUMBER	FILE NAME	DD ACCESS	RD ACCESS	WR ACCESS	DEL ACCESS	LAYGO ACCESS
396.6	AMIE Exam	@	#	@	@	@
396.7	2507 Body System	@	#	@	@	@
396.94	2507 Insufficient Reasons	@	#	@	@	@
396.95	AMIE C&P Exam Tracking	@	#	#	#	#

Note: *The code (symbol) "@" in this table is the programmer's access. The other codes are arbitrary, and are determined by the developers during the design phase and assigned as needed to users by the Information Systems (IS) staff in the File Manager Access Code field of the New Person (#200) file.*

11.1.5. Advanced User

Access the VA FileMan Advanced User Manual at:

https://www.va.gov/vdl/application.asp?appid=5

11.1.6. Programmer Manual

Access the VA FileMan Programmer Manual at:

https://www.va.gov/vdl/application.asp?appid=5

11.1.7. Technical Manual

Access the VA FileMan Technical Manual at:

https://www.va.gov/vdl/application.asp?appid=5

11.1.8. Package-wide Variables

There are no package-wide or special variables in the AMIE software.

11.1.8.1. Key Variables

- PNAM = Patient name
- DFN = Internal ^DPT number
- SSN = Social security number
- CFLOC = Claim folder location

- DCHGDT = Discharge date
- ADMDT = Admission date

11.1.8.2. How to Generate Online Documentation

This section describes some of the various methods by which users may secure AMIE technical documentation. Online technical documentation pertaining to the AMIE software, in addition to that which is located in the help prompts may be generated through utilization of several Kernel options. These include XINDEX and VA FileMan List File Attributes. Further information about other utilities which supply online technical documentation may be found in the Kernel Reference Manual.

11.1.8.3. XIndex

This option analyzes the structure of a routine(s) to determine in part if the routine(s) adheres to VistA Programming Standards. The XINDEX output may include the following components: compiles list of errors and warnings, routine listing, local variables, global variables, naked globals, label references, and external references. By running XINDEX for a specified set of routines, the user is afforded the opportunity to discover any deviations from VistA Programming Standards which exist in the selected routine(s) and to see how routines interact with one another, that is, which routines call or are called by other routines.

To run XINDEX for the AMIE software, specify the following namespace at the "routine(s) ?>" prompt: DVBA* and DVBC*. AMIE initialization routines which reside in the UCI in which XINDEX is being run, as well as compiled template routines found within the AMIE namespace, should be omitted at the "routine(s)?>" prompt. To omit routines from selection, preface the namespace with a minus sign (-).

11.1.8.3.1. Data Dictionary List File Attributes

This VA FileMan option allows the user to generate documentation pertaining to files and file structure. Utilization of this option via the "Standard" format will yield the following data dictionary information for a specified file(s): file name and description, identifiers, cross-references, files pointed to by the file specified, files which point to the file specified, input templates, print templates, and sort templates. In addition, the following applicable data is supplied for each field in the file: field name, number, title, global location, description, help prompt, cross-reference(s), input transform, date last edited, and notes.

Using the "Global Map" format of this option generates an output which lists all cross-references for the file selected, global location of each field in the file, input templates, print templates, and sort templates.

For a comprehensive listing of AMIE files used by CAPRI, please use the following link (URL) to locate the “Files” section of the AMIE Technical Manual: http://www.va.gov/vdl/application.asp?appid=31

12. Archiving, Purging, and Frequency

CAPRI relies on the AMIE application for any archiving and purging functionality.

Although the AMIE software has no archiving capabilities AMIE's purging capabilities are handled by the DVBA REGIONAL PURGING PROGRAM option deletes all FINALIZED requests which are older than the date set in the AMIE SITE PARAMETER file (#396.1). It should normally be set to run daily on TaskMan, as it takes several minutes to run in programmer mode. In addition to purging the FORM 7131 file (#396), it also purges the AMIE REPORT file (#396.2).

The frequency is based on the amount of 7131 information purged by this program. It is determined by the NUMBER OF DAYS TO KEEP HISTORY parameter set through the Regional File Site Parameter Setup option. It is suggested to keep at least 30 days on file at all times, but no more than 120 days. The NUMBER OF DAYS TO KEEP HISTORY field (#9) of the AMIE SITE PARAMETER file (#396.1) will automatically keep 30 days of report data if no value is in that field.

While the AMIE software uses a very small amount of disk space, it is wise not to let the data accumulate if it is not needed by the hospital.

13. Security

13.1 Security Management

VA Directive 10-93-142 prohibits local modifications to VistA software.

13.2 General Security

For CAPRI GUI security refer to the most current CAPRI User Manual. This manual includes instructions for setting up CAPRI users, as well as descriptions of all Security Keys used by the CAPRI GUI application.

See the CAPRI GUI User Manual at: http://www.va.gov/vdl/application.asp?appid=133

13.2.1. Remote Systems

The AMIE software does not transmit data to any remote systems. For CAPRI interactions with remote systems, refer to the Systems Architecture diagram in Section 3.1.1.

13.2.2. Contingency Planning

Your facility should have a local contingency plan in the event of application problems in a live environment. It should identify the procedure for maintaining functionality provided by the AMIE software as well as the CAPRI GUI application, in the event of system outage.

13.2.3. Interfacing

There are no special interfacing requirements for the AMIE or the CAPRI software.

13.2.4. Electronic Signatures

The CAPRI GUI application uses electronic signatures. Use the following link to locate the CAPRI GUI User Manual: http://www.va.gov/vdl/application.asp?appid=133

13.2.5. Security Keys

Take the following steps to get information about the security keys used with the AMIE software.

1. VA FileMan Menu
2. Print File Entries Option
3. Output from what File: SECURITY KEY
4. Sort by: Name
5. Start with name: DVBA to DVBC
6. Within name, sort by: <RET>
7. First print field: Name
8. Then print field: Description

Note: *Some keys do not affect the menu operation. This is due to some options having several different functions which are limited in scope by the key. This limitation is done internally by the program being used.*

14. CAPRI Troubleshooting and Error Information

Note: *In all cases, please print the error message for your local IRM staff.*

A majority of CAPRI issues that are initially called into the Service Desk or are created into ServiceNow tickets are not often CAPRI related issues, but are due to other issues regarding networks and users' accesses/permissions, etc. Those few CAPRI issues that are identified as a CAPRI issue are forwarded onto the CAPRI Team. The team works to replicate and identify the issue, then to develop solutions or workarounds to correct or eliminate the issue. Some of these issues result in identification of a CAPRI defect or an issue that may become a future CAPRI enhancement. These issues are often unique and not reported in any significant numbers. The CAPRI Team forwards these specific issues onto the VA who will determine if the issue(s) is something that should be recognized as a defect or a possible CAPRI enhancement scheduled for one of the next CAPRI patch installation deployment.

The remainder of this section includes general CAPRI troubleshooting and error information that is located in the CAPRI GUI User Manual at the following URL: http://www.va.gov/vdl/application.asp?appid=133

Select the latest version of the document; refer to the section "Troubleshooting and Error Messages."

14.1 CAPRI Not Installed in VistA

The user receives the message in the following screenshot if the VHA Medical Center has not loaded the VHA half of the CAPRI software. The user should contact local IRM staff after receiving this message.

Figure 15 CAPRI Not Installed in VistA Error Message

14.2 CAPRI GUI Option Not Assigned to User in VistA

The user receives the message in the following screenshot if the VHA medical center has not assigned the CAPRI option to RO users. The user must contact local IRM staff upon receiving this message.

Figure 16 CAPRI GUI Option Not Assigned to User in VistA

14.3 VistA Server Down

The user receives the message in the following screenshot, or a similar one such as WSAETIMEDOUT, when there are performance issues in the VA Wide Area Network (WAN), if a server is down, or if a server was not restarted after being down. When this happens, AMIE II may or may not connect, depending on the exact problem. The user should test the AMIE II connection.

Figure 17 VistA Server Down Error Message

14.4 VistA Limits Ability to See Patient Records

The user receives the message in the following screenshot if the medical facility made local permission modifications in VistA that prohibit users from seeing the contents of patient records.

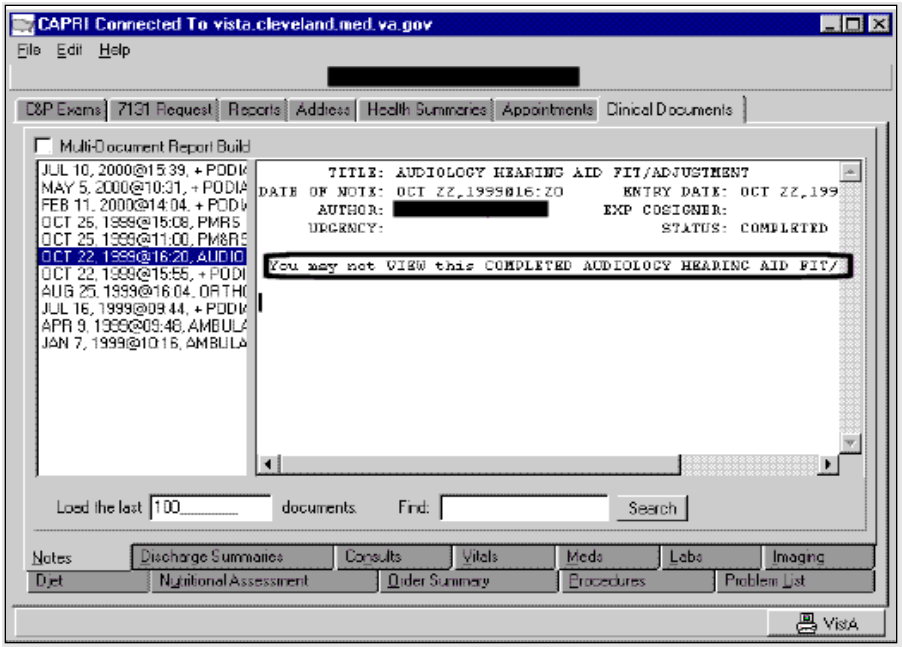

Figure 18 VistA Limits Ability to See Patient Records

14.5 Network Problems

The user receives the message in the following screenshot if the connection to the medical facility is lost unexpectedly. The user should try to connect to the medical facility again.

Figure 19 Could not connect to Remote Server Error Message

14.6 Institution File in VistA has Been Locally Modified

The user may receive the message in the following screenshot when requesting exams, requesting 7131s, or entering new patients if the VHA medical facility has an incomplete or incorrect Regional Office list in their system.

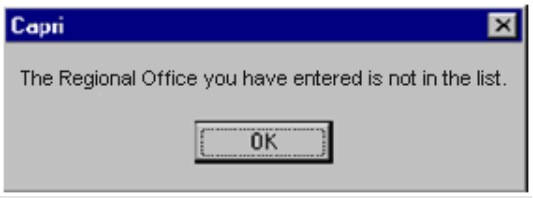

Figure 20 Incomplete or Incorrect Regional Office

14.7 Too Many Invalid Attempts at Access Code / Verify Code

The user receives the message in the following screenshot if the user attempted to log on and entered the wrong Access Code / Verify Code combination three or more times.

Figure 21 Device locked due to multiple sign-on message

14.8 Multiple Sign-Ons

The user may receive the message in the following screenshot if the user did not log out of CAPRI correctly or if the session was unexpectedly disconnected.

Figure 22 Multiple Sign-ons error Message

14.9 General Error Message

The user may receive the message in the following screenshot for a number of reasons. Upon receiving this message, the user should cancel the current task, close CAPRI, and sign on again. If the user receives this error message again, local IRM staff should be contacted for assistance.

Figure 23 General Error Message

14.10 Permanent Failure DBQ Transmission Error Message

When a permanent Failure occurs, CAPRI will not allow these DBQs to be retransmitted as there was a failure that is unable to be resolved. CAPRI prompts users with an error message for the DBQ in the worksheet that experienced the error, with the status code and refers the user to the IT Service Desk.

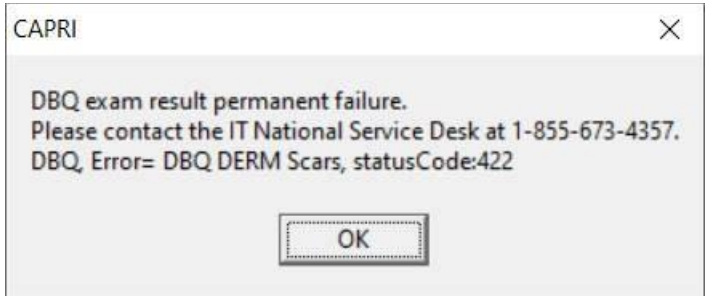

Figure 24 Permanent Failure Error

14.11 Transmission Error DBQ Error Message

Each DBQ will be evaluated individually for transmission success/fail. If a transmission error occurs, then CAPRI will attempt to retransmit any DBQs which failed their previous transmission attempt.

Figure 25 DBQ Transmission Error

CAPRI will iterate though the remaining DBQs, showing a transmission error message for each. After attempting to transmit the final DBQ in the worksheet, if any remain with a transmission error status, CAPRI will display the # of attempts. The retransmission will timeout after 5 attempts. To retransmit the DBQ, refer to section 2.13.6 of the CAPRI user manual.

Figure 26 DBQ Retransmission Attempts

Appendix A - CAPRI Remote Procedure Calls for MUMPS

The DVBA CAPRI GUI menu option contains all the CAPRI RPCs.

Name: DVBA CAPRI GUI
Menu Text: Capri GUI (Broker)
Type: Broker (Client/Server)
Package: AUTOMATED MED INFO EXCHANGE
Description: This is the “B” type option used by CAPRI GUI client application. It contains all the RPCs used by the CAPRI GUI application.

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**

DG SENSITIVE RECORD ACCESS	PTSEC	DGSEC4	ARRAY	This Remote Procedure Call (RPC) will: - Verify user is not accessing his/her own Patient file record if the Restrict Patient Record Access (#1201) field in the MAS parameters (#43) file is set to yes and the user does not hold the DG RECORD ACCESS security key. If parameter set to yes and user is not a key holder, a social security number must be defined in the New Person file for the user to access any Patient file record. - Determine if user accessing a sensitive record or an employee's record		RESULT(1) = -1-RPC/API failed Required variable not defined 0-No display/action required Not an employee, not sensitive or not accessing own Patient record 1-Display warning message Sensitive - inpatient or a DG SENSITIVITY key holder or Employee and DG SECURITY OFFICER key holder 2-Display warning message, require OK to continue and call DG SENSITIVE RECORD BULLETIN RPC to update DG Security Log file and generate Sensitive Record Access mail message. Sensitive - not an inpatient and not a key holder or Employee/not a DG SECURITY OFFICER key holder 3-Access to record denied Accessing own Patient file record 4-Access to Patient file (#2) records denied SSN not defined RESULT(2-n) = error message or warning/Privacy Act message. Error and warning messages will begin in RESULT(2) array. The Privacy Act message is the longest message and will utilize RESULT(2)- RESULT(8). If RESULT(1)=1, the DG Security Log file is updated. If RESULT(1)=2, the user must acknowledge they want to access the restricted record and the application must call the DG SENSITIVE RECORD BULLETIN RPC to update the DG Security Log file and generate the Sensitive Record Access mail msg	DG SENSITIVE RECORD ACCESS' 'DG SENSITIVE RECORD ACCESS'	patientlist patientlistrestricted	RPCBroker1 RPCBroker1	FMCvrListBox1Pt.GetselectedRecord.IEN or FMCvrListBox2Pt.GetselectedRecord.IEN or FMCvrListBox3Pt.GetselectedRecord.IEN PType := literal; for all params FMListBox1.GetSelectedRecord.IEN; PType := literal;

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DG SENSITIVE RECORD BULLETIN'	NOTICE	DGSEC4	SINGLE	This Remote Procedure Call (RPC) will add an entry to the DG SECURITY LOG (#38.1) file and/or generate the sensitive record access bulletin depending on the value in ACTION input parameter. If ACTION parameter not defined, defaults to update DG Security Log file and generate Sensitive Record Access mail message.	NONE	RESULT= 1 - successfully added entry and/or generated sensitive record access bulletin 0 - unsuccessful	DG SENSITIVE RECORD BULLETIN '	patientlistre stricted	RpcBroker1	PatientIEN PType := literal; 'DVBA CAPRI GUI^Capri GUI (Broker)' PType := literal; ' ' PType := literal;
DVBA CAPRI EXAM LINK TIU	**LINK**	**DVBAXM L**	**SINGLE VALUE**	Links an exam in CAPRI TEMPLATES #396.17 to TIU DOCUMENT #8925	**EXAMIEN TIUIEN**	returns 1 if the exam has been successfully linked to the TIU DOCUMENT; otherwise return 0^error message	DVBA CAPRI EXAM LINK TIU	tiusign	RpcBroker1	PNCSForm.xFMEdi t2.IENS PType := literal; TIUNoteIEN; PType := literal;

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBA CAPRI EXAM XML	**FILEIN**	**DVBAXML**	**SINGLE VALUE**	This RPC allows for the filling of the 2507 EXAM template in the XML version.	**EXAMIEN DAS XML**	XML is the array list format of the template being stored RETURN PARAMETER DESCRIPTION: Y Returns successful filing status or error message	**DVBA CAPRI EXAM XML**	**Tiusign**	**RpcBroker1**	**AnExamIEN; PType := literal;** **CAPRI_InhouseExamXMLNote; PType := literal;** **List of files uuEncodedFile PType := list;**
DVBA CAPRI GET EDIPI	EDIPIQ	DVBCENQ	**SINGLE VALUE**	Capri Remote Procedure Call Returns EDIPI To Be Sent Via DBQ's To DoD	**DFN**	Capri Remote Procedure Call returns an EDIPI number from File 391.91. If no number is found, it returns 0	DVBA CAPRI GET EDIPI	VlerEDasClaim	RPCBroker1	**PatientIEN**
DVBA CAPRI GET EXAM IEN	**GETEXAM**	**DVBXML**	**SINGLE VALUE**	get an exam ien from the CAPRI TEMMPLATE #396.17 given a tiu ien from TIU DOCUMENT #8925	**TIUIEN**	returns an integer greater than zero if the exam can be found; otherwise return -1^error message	**DVBA CAPRI GET EXAM IEN**	**Tiusign**	**RpcBroker1**	**TiuDocumentIen PType := literal;**

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application. **MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBA CAPRI GETCANCELREASON	**CANRSN**	**DVBCANRS**	**ARRAY**	This returns an array of active 2507 EXAM Cancellation Reasons. New active reasons added with Patch DVB*2.7*189. Old list of cancellation reasons set to inactive.	**LIST**	Returns a 1 when completed	**DVBA CAPRI GETCANCELREASO**	**ExamDetail**	**RPCBroker1**	**No Params**
DVBA CAPRI GETCLAIMTYPE	**GETCT**	**DVBACPR1**	**ARRAY**	This RPC returns a list (array) of Claim Types associated with a valid 2507 Request	REQIEN	Returns all Claim Types associated to the valid 2507 Request	**DVBA CAPRI GETCLAIMTYPE**	**ViewExam**	**RpcBroker1**	**RequestIEN; PType := literal;**
DVBA CAPRI GETSPCLCONSID	**GETSC**	**DVBACPR1**	**ARRAY**	This RPC returns an array of special considerations linked to a 2507 request.	**2507 REQUESTIEN**	**NONE**	**DVBA CAPRI GETSPCLCONSID**	**ViewExam**	**RpcBroker1**	**RequestIEN; PType := literal;**
DVBA CAPRI LISTCLAIMTYPE	**LSTCT**	**DVBACPR1**	**ARRAY**	This RPC returns a list (array) of valid Claim Types	**NONE**	List of valid Claim Types	**DVBA CAPRI LISTCLAIMTYPE**	**ViewExam NewExam**	**RpcBroker1**	**No params**

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application. **MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBA CAPRI LISTINSUF RSN	**LSTIR**	**DVBACPR1**	**ARRAY**	This RPC returns a list (array) of valid Insufficient Reasons that can be linked to a 2507 exam.	**NONE**	**NONE**	**DVBA CAPRI LISTINSUF RSN**	**NewExam**	**RpcBroker1**	**No params**
DVBA CAPRI LISTSPCLC ONSID	**LSTSC**	**DVBACPR1**	**ARRAY**	This RPC returns an array (listing) of valid special considerations that can be linked to a 2507 request.	**NONE**	**NONE**	**DVBA CAPRI LISTSPCLC ONSID**	**NewExam ViewExa m**	**RpcBroker1**	**No params**
DVBA CAPRI SETCLAIM TYPE	**SETCT**	**DVBACPR1**	**ARRAY**	This RPC returns the status of Claim Types passed to be set to a valid 2507 Request	**ARRACT**	Returns status of Claim Type sets	**DVBA CAPRI SETCLAIMT YPE**	**NewExam ViewExa m**	**RpcBroker1**	**RequestIEN PType:= literal; cbClaimType.Item s[cbClaimType.Ite mIndex] PType := List**
DVBA CAPRI SETSPCLC ONSID	**SETSC**	**DVBCAPR1**	**SINGLE VALUE**	This RPC sets the passed-in special considerations and links them to the passed-in 2507 request.	**2507 REQUEST IEN SPECIAL CONSIDERATI ON LIST**	**NONE**	**DVBA CAPRI SETSPCLCO NSID**	**NewExam ViewExa m**	**RpcBroker1**	**RequestIEN; PType := literal; chklstSpecialCons iderations.Items[i]; PType := list;**
DVBA CHECK PATCH	CHEC	DVBAB1B	SINGLE VALUE	This RPC is a wrapper for the supported $$PATCH^XPDU TL API to determine whether	DVBPATCH	Returns "1^Patch Is Installed" on success; otherwise returns "0^Patch Is Not Installed".	DVBA CHECK PATCH'	CAPRISup port	RPCBroker1	No Params

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
				a given patch is installed or not "1^Patch Is Installed" is returned on success; otherwise "0^Patch Is Not Installed" is returned.						
DVBAB DIVISION	**DIVISION**	DVBAB1	**SINGLE VALUE**	**None**	**None**	**None**	**DVBAB DIVISION**	**Main**	**RpcBroker1**	**No Params**
DVBA MVI GET CORRESPONDING IDS	**GETIDS**	**DVBAMVI2**	**LITERAL**	This is the Integration Control Number (ICN) used to identify the patient that is selected from the MVI SEARCH PERSON web service results. Format: "1008523099V750710^NI^200M^USVHA^"	**SOURCE ID**	List of VAMC treating facilities associated with the passed identifier. Each line contains INSTITUTION (#4) file IEN, station name, and station number delimited by a caret ("^"). The first entry in the list contains the total number of stations returned. Format: instutionIEN^stationName^stationNumber Example: DVBOUT(0)=2 DVBOUT(1)="516^BAY PINES VA HCS^516" DVBOUT(2)="523^BOSTON HCS VAMC^523"	**DVBA MVI GET CORRESPONDING IDS**	**frmMVISearch**	**RPCBroker1**	**None**

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBA MVI SEARCH PERSON	**FINDPAT**	**DVBAMVI1**	**ARRAY**	This remote procedure passes the delimited person traits to the MVI SEARCH PERSON web service and returns the results of the search.	PERSON TRAITS INITIAL QUANTITY NAME FORMAT	The zero-array node returns the caret-delimited record count and search status results. Piece 1: Returned record count Piece 2: OK or error message text Array node 1 starts the list of caret-delimited matching patient records. Piece 1: FULLNAME Piece 2: SSN (9 digits) Piece 3: DATE OF BIRTH (external format) Pieces 4-7 contain the MVI ID components Piece 4: ID Piece 5: IdType Piece 6: Assigning Location Piece 7: Assigning Issuer Example results: Default name format: R(0)=2^OK R(1)=CAPRI PATIENT^111905454^01/01/1980^1062212234V192931^NI^200M^USVHA R(2)=CAPRI T PATIENT^111905454^01/01/1980^1008591712V479586^NI^200M^USVHA VistA name format:R(0)=1^OK R(1)=PATIENT,CAPRI T^111905454^01/01/1980^1008591712V479586^NI^200M^USVHA Error: R(0)=0^Acknowledgement Error: Multiple Matches Found[4]	**DVBA MVI SEARCH PERSON**	**frmMVISearch** **HIAVerify Patient**	**RPCBroker1**	**SearchString PType:= literal;** **SearchResultNum Param PType:= literal;**

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB 2507 PENDING REPORT	**STRT**	**DVBAB6**	GLOBAL ARRAY	Generates a report based on the status of 2507 requests.	**DVBCSORT RSTAT ERDAYS OLDAYS ELTYP**	MSG is returned.	DVBAB 2507 PENDING REPORT	Not called in Delphi code	Not called in Delphi code	Not called in Delphi code
DVBAB 8861 NOTIFICATIONS	ENTER	DVBANTFY	SINGLE VALUE	This will perform MailMan notifications for Form 8861 Requests based on the status of the request.	**IEN STAT**	The RPC returns either a success or failure to send the MailMan notification, either 0 or 1.	DVBAB 8861 NOTIFICATIONS	**VocRehab Class**	**RPCBroker1**	Value := frmVRMedicalRequest.SelectedMedicalRequestIEN, PType := literal Value := MsgType PType := literal
DVBAB AMIS REPORT	STRT	DVBAB3	ARRAY	Returns an AMIS report for specified search criteria.	BDATE EDATE	NONE	DVBAB AMIS REPORT	**RemoteReports,** **Reports**	**RPCBroker1**	**Value := DateTimePickerStart.Date; PType := literal;** **Value := DateTimePickerStop.Date; PType := literal;** **Value := aRegionalOffice + '^' +**

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
										Piece(DivisionList. Strings[i], '^', 2); PType := literal; **Value := 'N'; // Just say NO to mailman PType := literal;** **Value := AuthorIEN; PType := literal;** **Value := PriorityFilter; PType := literal;**
DVBAB APPOINT MENT LIST	DPA	DVBAB1 B	GLOBAL ARRAY	Returns a list of past, future or all appointments.	VAL1 VAL2	Returns LIST of appointments for the patient based on value of CHOICE.	DVBAB APPOINTM ENT LIST	MAIN	RPCBroker1	Value := PatientIEN; PType := literal; Value := 'P'; //A=All appt. F=Future appt. P=Past appt. PType := literal;
DVBAB CCOW	CCOW	DVBABFRM	SINGLE VALUE	This remote procedure encapsulates the supported calls $$SITE^VASITE and $$PROD^XUPROD. Parameter TYPE 1 = Pass back local station number	INFOTYPE TYPE	NONE	DVBAB CCOW	**Main** **untBrkrMthds**	**RPCBroker1,** **Brkr**	**Value := '1'; PType := literal;** **Value := '2'; PType := literal;**

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
				($$SITE^VASITE) 2 = Pass back whether production account or not ($$PROD^XUPROD)						
DVBAB CHECK CREDENTIALS	CHKCRED	DVBAB1	SINGLE VALUE	Verifies the user has been granted access to AMIE II/CAPRI	NONE	NONE	DVBAB CHECK CREDENTIALS' 'DVBAB CHECK CREDENTIALS'	viewaddress viewexam	RPCBroker1 RPCBroker1	No Params No Params
DVBAB DATETIME	DTTM	DVBAB1	SINGLE VALUE	Returns the current date/time from VistA	NONE	NONE	DVBAB DATETIME' 'DVBAB DATETIME'	REPORTS telnet	RPCBroker1 RPCBroker1	No Parms No Params
DVBAB DIVISION	DIVISION	DVBAB1	SINGLE VALUE	Returns list of divisions	NONE	NONE	DVBAB DIVISION	**Main**	**RPCBroker1**	**No Params**

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application. **MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB EXAMS BY DATE	EXAMB YDT	DVBABE BD	GLOBAL ARRAY	Provides a report by date range of all AMIE/CAPRI exam requests.	BEGDT ENDT		DVBAB EXAMS BY DATE'	REPORTS	RPCBroker1	Value := FMToDateConvert(FormatDateTime(' mm/dd/yyyy', DateTimePicker1.D ateTime)); PType := literal Value := FMToDateConvert(FormatDateTime(' mm/dd/yyyy', DateTimePicker2.D ateTime)) PType := literal
DVBAB FETCH 1U4N	U1N4	DVBABF RM	GLOBAL ARRAY	Retrieve the 1u4n field for the list of patient IENS provided as the only argument. Each IEN will be sent back with field .0905 appended after a caret.	ARR	List of Patient IENs in piece 1,followed by 1U4N in piece 2	DVBAB FETCH 1U4N'	unsigned	RPCBroker1	Mult[IntToStr(i + 1)] := FMListBoxIPR1.G etSelectedRecord.I EN; PType := list;
DVBAB FIND DUPS	DUP	DVBAB8 4	GLOBAL ARRAY	Find potential duplicates within the PATIENT File (#2) At least one of NAM, DOB, or SSN must be passed Possible matches are "better" when more than one of these is passed	NAM DOB SSN	BYREF - Passed by reference, will contain name of a TMP Global housing the results Subscript 0: -1^ERROR_MESSAGE (in the event of an error) OR Subscript 0: Number of potential matches found (if no errors) Subscript 1-K: Patient's matching ALL 3 of NAM, DOB, SSN have a weighting of 3 (see Note) Subscript K+1-L: Patient's matching	DVBAB FIND DUPS' 'DVBAB FIND DUPS'	EnterPt entersimple	RPCBroker1 RPCBroker1	nam := LastName.text + ',' + FirstName.text; nam := LastName.text + ',' + FirstName.text;

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
						ANY 2 of NAM, DOB, SSN have a weighting of 2 (see Note) Subscript L+1-M: Patient's matching ONLY 1 of NAM, DOB, SSN have a weighting of 1 (see Note) ^TMP(1-M) = DFN^ZERO_NODE where DFN is the Patient IEN ZERO_NODE is the data from ^DPT(DFN,0) NOTE: Potential matches within a weighting (if any) will be sorted by Patient Name				

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB FIND EXAMS	FINDEXAM	DVBAB1	ARRAY	Lists all of the patient's AMIE II C&P exam requests whether complete, new or pending.	INPUT1		DVBAB FIND EXAMS'	ManageReports	RPCBroker1	FMExamRequestListbox.GetSelectedRecord.IEN PType := literal;
							'DVBAB FIND EXAMS'	loadexamcomments	RPCBroker1	FMExamRequestListbox.GetSelectedRecord.IEN PType := literal;
							'DVBAB FIND EXAMS'	newexam	RPCBroker1	FMExamRequestListbox.GetSelectedRecord.IEN PType := literal;
							'DVBAB FIND EXAMS'	tiusign	RPCBroker1	Value := FMExamRequestListbox.GetSelectedRecord.IEN; PType := literal;
							'DVBAB FIND EXAMS'	uncosignedutility	RPCBroker1	Value := FMExamRequestListbox.GetSelectedRecord.IEN; PType := literal;
							'DVBAB FIND EXAMS'	viewexam	RPCBroker1	frmMain.FMExamRequestListbox.GetSelectedRecord.IEN; PType := literal; PType := literal;

The table that starts on the next page shows a correlation between the CAPRI's MUMPS RPCs and DELPHI's RPCs associated within supporting the CAPRI application.**MUMPS**							**DELPHI**			
NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB FORM COPY	COPY	DVBABF RM	SINGLE VALUE	Copies a CAPRI form in file 396.17 to a new entry. Clears key field so the form becomes editable as a new draft document. DVBAB1 = IEN in 396.17 to copy DVBAB2 = IEN in patient file If DVBAB2 is null, the copied form will be filed under the same patient it previously belonged to. If DVBAB2 has a value, it'll be copied to the new patient.	DVBAB1 DVBAB2	Returns the IEN of the newly copied form.	DVBAB FORM COPY	Main	RPCBroker1	Value := FMListBoxIPR1.GetSelectedRecord.IEN; PType := literal;
DVBAB FORM DATA BACKUP	BACKU P	DVBABF RM	SINGLE VALUE	Makes a backup copy of a CAPRI template in case of data loss. The backup is restored through the CAPRI GUI.	DVBIEN LISTBOX TEXT		DVBAB FORM DATA BACKUP'	PNCSMain	RPCBroker1	Piece(xFMEdit2.IENS, ',', 1); PType := literal; or 'MANAGE TEMPLATES restore-point' PType := literal; or 'Template CLOSED / ' + VersionUser; PType := literal; or

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
										'TEMPLATE RESTORE restore-point '; PType := literal; or SaveName + ' / ' + VersionUser; PType := literal; or frmMain.RPCBroker1.Param[2].Value + ' / ' + AuthorName;
DVBAB FORM DATA BACKUP DELETE	DELETE	DVBABFRM	SINGLE VALUE	String returned is "^" piece separated, as follows: Piece Item 1	IEN		DVBAB FORM DATA BACKUP DELETE';	tiusign	RPCBroker1	Value := Piece(PNCSForm.xFMEdit2.IENS, ',', 1); PType := literal;
DVBAB FORM DATA BACKUP RESTORE	RESTORE	DVBABFRM	SINGLE VALUE		IEN SIEN		DVBAB FORM DATA BACKUP RESTORE'	PNCSMain	RPCBroker1	Piece(xFMEdit2.IENS, ',', 1); PType := literal; IntToStr(WhichVersionToLoad); PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB GET SET	**GETSET**	**DVBABDDU**	**ARRAY**	This remote procedure retrieves the SET OF CODES for a given file and field for use in populating controls.	**DVBFIL** **DVBFLD**	The results will be returned as an array of strings, each containing the internal set of codes value and the external set of codes value delimited by a caret ("^"). Example results: DVBRSLT(1)="T^TERMINAL" DVBRSLT(2)="P^POW" DVBRSLT(3)="OS^ORIGINAL SC" DVBRSLT(4)="ON^ORIGINAL NSC" DVBRSLT(5)="I^INCREASE" DVBRSLT(6)="R^REVIEW" DVBRSLT(7)="OTR^OTHER"	DVBAB GET SET	NewExam, VocRehabCancelExam, VocRehabClass	RPCBroker1 RPCBroker1 RPCBroker1	'396.3' PType := literal '9' PType := literal '396.9' PType := literal '16' PType := literal '396.9' PType := literal '13' PType := literal

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB GET URL	**URL**	**DVBABURL**	**SINGLE VALUE**	Returns a URL for some items used within CAPRI 1=VBA's AMIE Worksheet Website 2=CAPRI training website 3=VistAWeb website 5=HIA download website 6=VIRTUAL VA web service server 7=VICAP website 8=VLER DAS web service server 9=JLV website	**INDEX**	**NONE**	DVBAB GET URL	**Main**	**RPCBroker1** **RPCBroker1** **RPCBroker1** **RPCBroker1** **RPCBroker1** **RPCBroker1** **RPCBroker1** **RPCBroker1**	**Value := '1'** **PType := literal** **Value := '2'** **PType := literal** **Value := '3'** **Ptype := literal** **Value := '5'** **Ptype := literal** **Value := '6'** **PType := literal** **Value := '7'** **PType := literal** **Value := '8'** **PType := literal** **Value := '9'** **PType := literal**

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB GET VISIT INFO	**VISIT**	**DVBABTIU**	**SINGLE VALUE**	**NONE**	**PATIENTNAME VISITDATE CLINICIEN**	**NONE**	DVBAB GET VISIT INFO	Not called in Delphi code	Not called in Delphi code	Not called in Delphi code
DVBAB GET VVA TOKEN	**VVATO KEN**	**DVBABURL**	**SINGLE VALUE**	This remote procedure retrieves the username, password, and token value passed to the Virtual VA web service. RETURN PARAMETER DESCRIPTION: Returns the values for username, password, and token as a single caret-delimited string. Example: capri^XXXXX^Username-1	**NONE**	**NONE**	DVBAB GET VVA TOKEN	**Main**	**RPCBroker1**	**No Params**
DVBAB HEALTH SUMMARY TEXT	RPT	DVBAB1	GLOBAL ARRAY	This rpc retrieves the report text for a report selected on the Report tab. the report format on the roll 'n scroll version of CPRS	DFN REPORT ID HEALTHSUMMARYTYPE DATERANGE	NONE	DVBAB HEALTH SUMMARY TEXT	Not called in Delphi code	Not called in Delphi code	Not called in Delphi code

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB INCREASE EXAM COUNT	INCEXAM	DVBAB1	SINGLE VALUE	Used to record the number of exams pending for a specified patient.			DVBAB INCREASE EXAM COUNT' 'DVBAB INCREASE EXAM COUNT'	viewexam newexam	RPCBroker1 RPCBroker1	No Params No Params
DVBAB INST LIST	INSTLIST	DVBAB1	GLOBAL ARRAY	Returns a list of Institutions.	NONE	NONE	DVBAB INST LIST	**Main**	**RPCBroker1**	**COMMENTED OUT – NO LONGER CALLED**
DVBAB LABLIST	LABLIST	DVBAB1	GLOBAL ARRAY	Returns a list of the site's laboratory test names.	NONE	NONE	DVBAB LABLIST	Main	RPCBroker1	No Params
DVBAB LOAD FORM	LOAD	DVBABFRM	GLOBAL ARRAY	Set DVBTPSV to 3 for a regular load, 9 for a load from the redundant save field and 10 for the cancellation field. If no value is set, the routine assumes a value of 3.	DVBIEN DVBTPSV		DVBAB LOAD FORM'	pcnShow	RPCBroker1	Value := frmMain.Piece(FMGetsIPRFile.IENS, ',', 1); PType := literal;
DVBAB MAIL INIT	INIT	DVBAB3	SINGLE VALUE	INIT Mailman variables	NONE	e-mail address^	DVBAB MAIL INIT	Main	RPCBroker1	No params

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB MPI ASSIGN ICN	MPI	DVBCPATA	SINGLE VALUE	This call should be made after a new patient is added into the patient file. It will call the MPI to assign an ICN. If no ICN can be obtained after 30 seconds, a local ICN will be assigned and the local ICN flag set.	DFN		DVBAB MPI ASSIGN ICN' 'DVBAB MPI ASSIGN ICN' 'DVBAB MPI ASSIGN ICN' 'DVBAB MPI ASSIGN ICN'	EnterPt entersimple enterptsimple140 enterpt140	RPCBroker1 RPCBroker1 RPCBroker1 RPCBroker1	PatientIEN, ',', 1 PatientIEN, ',', 1 Value := Piece(PatientIEN, ',', 1); PType := literal; Value := Piece(PatientIEN, ',', 1); PType := literal;
DVBAB NEW PERSON FILE	START	DVBAB84	GLOBAL ARRAY	NONE	NONE	NONE	DVBAB NEW PERSON FILE	AuditOld	RPCBroker1	No Params
DVBAB NOTE TITLES	NOTETL	DVBABTIU	ARRAY	Returns list of note titles from TIU in format name+" "+type+" "+status			'DVBAB NOTE TITLES'	PNCSMain	RPCBroker1	No Params
DVBAB ORIGINAL PROCESSING DATE	XDA	DVBAB89	GLOBAL ARRAY		DFN		'DVBAB ORIGINAL PROCESSING DATE'	REPORTS	RPCBroker1	Value := PatientIEN; PType := literal

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB PENDING C&P REPORT	STRT	DVBAB6	GLOBAL ARRAY	Generates a report containing the pending C&P exam requests	DVBCSORT RSTAT ERDAYS OLDAYS ADIVNUM ELTYP		'DVBAB PENDING C&P REPORT'	REPORTS	RPCBroker1	Mulitpule parms are set depending on evaluation conditions, however all Values are of type Literal
DVBAB PTINQ	PTINQ	DVBAB1	GLOBAL ARRAY	Returns a patient inquiry text report.	NONE	NONE	DVBAB PTINQ	Main	RPCBroker1	Value := PatientIEN; PType := literal;
DVBAB REPORT 7131INQ	STRT	DVBAB71	GLOBAL ARRAY	Returns a 7131 inquiry report.	ZDFN RECIEN	YES	DVBAB REPORT 7131INQ	Main	RPCBroker1	Value := PatientIEN; PType := literal; Value := FMSeventyOne31RequestListbox.GetSelectedRecord.IEN; PType := literal;
DVBAB REPORT ADMINQ	ENBROKE2	DVBAADRP	GLOBAL ARRAY	Generates an admission inquiry report, in either standard or delimited format, for the specified parameters.	BDATE EDATE ROYESNO RONUM DVBADLMTR		DVBAB REPORT ADMINQ	REPORTS	RPCBroker1	Value := DateTimePicker1.DateTime PType := literal Value := DateTimePicker2.DateTime PType := literal Value := RegOfcYesNo PType := literal Value := RegOfcNum PType := literal Value := GetDelimitedParam (IsDelimited)

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
										PType := literal
DVBAB REPORT ADMISSION INQUIRY	ENBROKER	DVBAADRP	ARRAY	Returns display text indicating when the report was last run			DVBAB REPORT ADMISSION INQUIRY'	REPORTS	RPCBroker1	No Params
DVBAB REPORT ADMISSIONS	STRT	DVBAB54	GLOBAL ARRAY	Generates an admission report, in either standard or delimited format, for the specified date range.	BDATE EDATE DVBADLMTR	NONE	DVBAB REPORT ADMISSIONS	REPORTS	RPCBroker1	Value := FromDate PType := literal Value := ToDate PType := literal Value := GetDelimitedParam(IsDelimited) PType := literal
DVBAB REPORT CHECKLIST	REPORT1	DVBAB9	ARRAY	Generates an exam worksheet.	NONE	NONE	DVBAB REPORT CHECKLIST	Not called in Delphi code	Not called in Delphi code	Not called in Delphi code
DVBAB REPORT CPDETAILS	STRT	DVBAB70	ARRAY	Returns a detailed summary of a specific C&P request.	DFN ZREQDA	NONE	DVBAB REPORT CPDETAILS	Main	RPCBroker1	Value := PatientIEN; .PType := literal; Value := FMExamRequestListbox.GetSelectedRecord.IEN; PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB REPORT DISCHARGE	STRT	DVBAB53	GLOBAL ARRAY	Generates a discharge report, in either standard or delimited format, for the specified parameters.	BDATE EDATE ADTYPE DVBADLMTR	NONE	DVBAB REPORT DISCHARGE	REPORTS	RPCBroker1	Value := FromDate PType := literal; Value := ToDate PType := literal; Value := DoYouWant PType := literal Value := IsDelimited PType := literal
DVBAB REPORT EXAM CHKLIST	STRT	DVBAB4	ARRAY	Generates an exam worksheet.	NONE	NONE	'DVBAB REPORT EXAM CHKLIST'	REPORTS	RPCBroker1	No Params
DVBAB REPORT INCOMPVET	STRT	DVBAB51	GLOBAL ARRAY	Generates an incompetent veteran report, in either standard or delimited format, for the specified date range.	BDATE EDATE DVBADLMTR	NONE	DVBAB REPORT INCOMPVET	REPORTS	RPCBroker1	Value := FromDate PType := literal; Value := ToDate PType := literal; Value := IsDelimited PType := literal
DVBAB REPORT LISTS	LIST	DVBAB1	ARRAY	This remote procedure call returns a list of reports, Health Summary types and date ranges that can be displayed at the workstation. There are no input parameters for this RPC.	NONE	NONE	DVBAB REPORT LISTS	Not called in Delphi code	Not called in Delphi code	Not called in Delphi code

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB REPORT NEW NOTICES DC	ENBROKER	DVBADSNT	GLOBAL ARRAY	Broker-enabled version of option DVBA NOTICE/DISCHARGE PRINT, Print New Notices of Discharge.	NONE	NONE	'DVBAB REPORT NEW NOTICES DC'	REPORTS	RPCBroker1	No Params
DVBAB REPORT PENDING7131	STRT	DVBAB57	GLOBAL ARRAY	Generates a list of pending 7131 requests.	SELDIV DIV DVBADLMTR	NONE	'DVBAB REPORT PENDING7131'	REPORTS	RPCBroker1	Value := '' PType := literal; Note: the Value param is set base on multiple conditions. See code for conditions.
DVBAB REPORT READMIT	STRT	DVBAB56	GLOBAL ARRAY	Generates a re-admission report, in either standard or delimited format, for the specified date range.	BDATE EDATE DVBAH DVBADLMTR	NONE	DVBAB REPORT READMIT	Reports	RPCBroker1	Value := UserDUZHomeServer; PType := literal;
DVBAB REPORT SPECIAL	SPECRPT	DVBASPD2	GLOBAL ARRAY	Generates a Special Report for Pension and Advisory & Assistance (A&A), in either standard or delimited format, for the specified parameters.	DCTYPES BDATE EDATE RONUM REP DVBADLMTR		'DVBAB REPORT SPECIAL'	specialreport	RPCBroker1	This RPC has 6 possible parms that can be set base on evaluation conditions. All of the Parms have a Type set to Literal.

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**

DVBAB REPORTS	START	DVBAB82	GLOBAL ARRAY	CAPRI REGIONAL OFFICE 21 DAY CERTIFICATE PRINTING	REPORT TYPE REPORT STRING		'DVBAB REPORTS'
							
							'DVBAB REPORTS'
							
							'DVBAB REPORTS'
								REPORTS
								
								REPORTS
								
								REPORTS
									RPCBroker1
									
									RPCBroker1
									
									RPCBroker1
										Value := '1'; // 21 Day Cert Print
										PType := literal;
										Value := ''
										PType := literal;
										
										Has two Parms with the type equal to literal. This RPC is called 4 times depending on which report is to be executed.
										
										Value := '3'; // C&P FINAL (MANUAL)
										PType := literal;
										Value := ''; //
										PType := literal;

DVBAB RESTRICTED LIST PATIENTS	RSTLIST	DVBABFRM	GLOBAL ARRAY	Returns a list of restricted patients for CAPRI when in remote mode.	DUZ	NONE	DVBAB RESTRICTED LIST PATIENTS	Main	RPCBroker1	Value := UserDUZHomeServer; PType := literal;
DVBAB SAVE FORM	SAVE	DVBABFRM	SINGLE VALUE	Set DVBIEN to the internal entry number of the form Set DVBLINES to the lines to be saved Set DVBLINEN to the starting line # in the global. This allows for forms to be sent in chunks.	DVBIEN DVBLINES DVBLINECOUNT DVBLINEN	NONE	DVBAB SAVE FORM	PNCSMain	RPCBroker1	Value := IEN PType := literal; Value := xFormDataTemp.lines[x + y]; PType := list; Value := inttostr(y); PType := literal; Value := inttostr(x); PType := literal; Value := whichglobal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
										PType := literal;
DVBAB SC VETERAN REPORT	EN	DVBAB4	ARRAY	Generates a service-connected veterans report.	INPUT1 INPUT2	NONE	DVBAB SC VETERAN REPORT	Not called in Delphi code	Not called in Delphi code	Not called in Delphi code

DVBAB SEND MSG	MSG	DVBAB1	SINGLE VALUE	Used to generate e-mail messages for specific CAPRI actions, such as changing a C&P exam request.	VAL1
					VAL2
					VAL3
					VAL4
					VAL5
							DVBAB SEND MSG'
							
							'DVBAB SEND MSG'
							
							'DVBAB SEND MSG'
								EnterPt
								
								entersimple
								
								viewexam
									RPCBroker1
									
									RPCBroker1
									
									RPCBroker1
										AuthorIEN
										'CAPRI: New C&P Veteran Added to Patient File'
										MailManBuffer.Lines
										'DVBA C NEW C&P VETERAN
										
										AuthorIEN
										'CAPRI: New C&P Veteran Added to Patient File'
										MailManBuffer.Lines[i]
										'DVBA C NEW C&P VETERAN'
										
										Value := AuthorIEN; //DUZ Of Author of Note
										PType := literal;
										Value := 'CAPRI: Cancellation of 2507 Exams'; //Max 45 Chars

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
										PType := literal; PType := list; Mult[IntToStr(i + 1)] := frmMain.MailMan Buffer.Lines[i]; Value := 'DVBA C 2507 CANCELLATION' ; //Mail Group Name PType := literal;
DVBAB SEND MSG TWO	MSG2	DVBAB1A	SINGLE VALUE	THIS RPC IS THE SECOND FOR THE CAPRI MSG 2507 EXAM THIS ONE PRODUCES A MESSAGE FOR EACH EXAM THAT IS COMPLETED	DUZ RIEN ELIST	ERR RETURNS THE ERROR MESSAGE OR THE 'MESSAGE SENT'	DVBAB SEND MSG TWO	CAPRISupport	RPCBroker1	Value := SenderDUZ; PType := literal; Value := RequestIEN; PType := literal; ExamIENs[I] PType := list;
DVBAB SET DIVISION	DUZ2	DVBAB84	SINGLE VALUE	Set the Division	NUM	Return O^ERR_MESSAGE (upon failure) IEN^INSTITUTION_NAME (upon success)	DVBAB SET DIVISION'	REPORTS	RPCBroker1	Value := RemoteUserDivisionNumber; PType := literal;
DVBAB SURGERY CASE	START	DVBAB89	GLOBAL ARRAY	NONE	DFN	NONE	DVBAB SURGERY CASE	Main	RPCBroker1	Value := PatientIEN; PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB TEAM PATIENTS	TEAMPTS	DVBAB1	GLOBAL ARRAY	Function returns an array of patients on a team.	TEAM ID	Array of patients on a team in the format: patient id (DFN)^patient name.	DVBAB TEAM PATIENTS	Main	RPCBroker1	Value := PatientSelectionList; PType := literal;
DVBAB TEMPLATE DEFINITION	DEFINE	DVBABFRM	GLOBAL ARRAY	C&P Worksheet Templates are made of 3 files: a form definition, a code definition, and a script definition. Set DVBIEN to the internal entry number of the form Set DVBTYPE to the definition you want: 1= Form, 2=Script, 3=Report	DVBIEN DVBTYPE	NONE	DVBAB TEMPLATE DEFINITION	Browsetemplates, Managetemplatesdefs, Pncsmain, Pncsshow, Printtemplate, Pncspanelloader,	RPCBroker1	No params
DVBAB TEMPLATE LIST	TEMPLATE	DVBAB1	GLOBAL ARRAY	Returns complete list of CAPRI templates.	NONE	NONE	DVBAB TEMPLATE LIST	Main	RPCBroker1	None

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB TEMPLATE REPORT FULL	RPTSTAT	DVBAB85	GLOBAL ARRAY	Returns report of exam templates, including current status	STRTDT ENDDT		DVBAB TEMPLATE REPORT FULL';	REPORTS	RPCBroker1	Value := FMToDateConvert(FormatDateTime(' mm/dd/yyyy', DateTimePicker3.DateTime)); PType := literal; Value := FMToDateConvert(FormatDateTime(' mm/dd/yyyy', DateTimePicker4.DateTime)); PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAB VERSION	VERSIO N	DVBAB1	SINGLE VALUE	Used to ensure GUI and VISTA are on the same version of CAPRI.	DVBGUIV	NONE	DVBAB VERSION	Main	RPCBroker1	Value := VersionUser; PType := literal;
DVBAB ZIP2CITY	ZIP2CIT Y	DVBABA DR	ARRAY	The remote procedure returns	DVBZIP	ZIP code value in ZIP+4 format. RETURN PARAMETER	DVBAB ZIP2CITY	EnterPt	RPCBroker1	Zipcode as text

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
				a list containing city, county, and state for a given ZIP code. Results format: Result(0)=ResultCount_"^"_ErrorMsg Result(1..n)=City_"^"_County_"^"_State The remote procedure returns a list containing city, county, and state for a given ZIP code. Results format: Result(0)=ResultCount_"^"_ErrorMsg Result(1..n)=City_"^"_County_"^"_State The remote procedure returns a list containing city, county, and state for a given ZIP code. Results format: Result(0)=ResultCount_"^"_ErrorMsg Result(1..n)=City_"^"_County_"^"_State		DESCRIPTION: RESULT(0)=ResultCount_"^"_ErrorMsg RESULT(1)=City_"^"_County_"^"_State RESULT(n)=City_"^"_County_"^"_State	'DVBAB ZIP2CITY'	entersimple	RPCBroker1	aZipCode

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
DVBAD CONTRACTED EXAM CRYPTO	EN	DVBACEM1	SINGLE VALUE	Allows the demTRAN (GUI) application to Encrypt/Decrypt information for storage to or retrieval from the VistA environment.	DVBAETYP DVBAIVAL	Encrypted or Decrypted result(s) based on the cryptography action performed. If multiple values passed ('^' delimitted) then the results Enter RETURN to continue or '^' to exit: will be returned in the same position as the original value that was acted upon.	DVBAD CONTRACTED EXAM CRYPTO	clsVendConn	ClmsSysCCOWBrkr	Value := '2'; PType := literal; FUsernam e + '^' + FPassword; PType := literal;
DVBAD CONTRACTED EXAM REPORTS	CERPTS	DVBACER1	GLOBAL ARRAY	Allows demTRAN (GUI) to execute the Detailed, Summary and Timeliness contracted exam reports.	DVBARTYP DVBAFLTRS	NONE	DVBAD CONTRACTED EXAM REPORTS	Frm508ReportRslts	_CCOWBrkr	_RptType PType := literal; _RptParams.ValueFromIndex[i] PType := List;
ORPRF GETFLG	GETFLG	ORPRF	ARRAY				ORPRF GETFLG'	FormPtRecordFlags	RPCBroker1	labelPatientDFN.Caption PType := literal; Piece(ORListBoxFlags.Items[ORListBoxFlags.ItemIndex], '^', 1); PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
ORPRF HASFLG	HASFLG	ORPRF	ARRAY				'ORPRF HASFLG'	patientlist	RPCBroker1	PatientDFN PType := literal;
ORPRF TRIGGER POPUP	TRIGRPOP	ORPRF	SINGLE VALUE	Returns 1 if popup flag display should be triggered for given patient upon patient selection. If not, returns 0. Does not require clean-up after calling it since it does not set arrays or globals.		Returns 1 if popup flag display should be triggered for given patient upon patient selection. If not, returns 0.	'ORPRF TRIGGER POPUP'	patientlist	RPCBroker1	frmMain.Piece(FMCvrGets1Pt.IENS, ',', 1); PType := literal;
ORWCIRN FACLIST	FACLIST	ORWCIRN	ARRAY	Returns a list of the remote VA facilities at which the selected patient has been seen.			ORWCIRN FACLIST' 'ORWCIRN FACLIST'	patientlist patientlistrestricted	RPCBroker1 RPCBroker1	frmMain.Piece(FMCvrGets1Pt.IENS, ',', 1); PType := literal; FMListBox1.GetSelectedRecord.IEN; PType := literal;

ORWLRR CHART	CHART	ORWLRR	GLOBAL ARRAY				'ORWLRR CHART'	frmLabGraph	RPCBroker1	PatientIEN; // Patient IEN
										PType := literal;
										FMToDateConvert(FormatDateTime('mm/dd/yyyy', DateTimePicker2.Date)) + '.2359'; //Stop Date
										PType := literal;
										FMToDateConvert(FormatDateTime('mm/dd/yyyy', DateTimePicker1.Date)); //Start Date
										PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
										'0'; // 0 for "All Specimens" PType := literal; ' '
ORWORB FASTUSER	FASTUSER	ORWORB	GLOBAL ARRAY	Function returns notifications for current user.			'ORWORB FASTUSER'	tiucosignature	RPCBroker1	No Params
ORWPT ADMITLST	ADMITLST	ORWPT	ARRAY	Returns a list of admissions for a patient (for visit selection).			'ORWPT ADMITLST'	PNCSMain	RPCBroker1	xPatientIENS.Caption PType := literal;
ORWU DT	DT	ORWU	SINGLE VALUE	Returns date in internal VA FileMan format.			ORWU DT'	MailMan	RPCBroker1	NOW' PType := literal;
							'ORWU DT'	tiusign	RPCBroker1	Value := 'NOW' PType := literal;
							'ORWU DT'	EditPatientLists	RPCBroker1	'NOW'
							'ORWU DT'	EnterPt	RPCBroker1	'NOW'
							'ORWU DT'	entersimple	RPCBroker1	'NOW'
							'ORWU	ManageRepo	RPCBroker1	'NOW'

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
							DT'	rts		PType := literal;
							'ORWU DT'	managetemplatedefs	RPCBroker1	'NOW' PType := literal;
							'ORWU DT'	PNCSMain	RPCBroker1	'NOW' PType := literal;
							'ORWU DT'	remoteusersiteseditor	RPCBroker1	Value := 'NOW'; PType := literal;
							'ORWU DT'	tiucosignature	RPCBroker1	Value := 'NOW'; PType := literal;
							'ORWU DT'	uncosignedutility	RPCBroker1	Value := 'NOW'; PType := literal;
							'ORWU DT'	viewexam	RPCBroker1	Value := 'NOW'; PType := literal;
ORWU VALIDSIG	VALIDSIG	ORWU	SINGLE VALUE	Validates a broker encrypted electronic signature.			'ORWU VALIDSIG'	tiusign	RPCBroker1	Value := encrypt(Edit3.Text); PType := literal;
TIU CREATE ADDENDUM RECORD	MAKEADD	TIUSRVP	SINGLE VALUE	This Remote Procedure allows the creation of addenda to TIU Documents.		This is the record number of the resulting addendum. NOTE: If no addendum record may be created, then the return variable will look as follows: "-1^Could not create addendum."	'TIU CREATE ADDENDUM RECORD'	tiucosignature	RPCBroker1	Value := CoSigTIUNoteIEN; PType := literal; Mult['1202'] := authorIEN; Mult['1301'] := dttm PType := list; Value := '1'; PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**

TIU CREATE RECORD	MAKE	TIUSRVP	SINGLE VALUE	This remote procedure allows the creation of TIU DOCUMENT records.		If the call is successful, this will be the record number (IEN) of the resulting entry in the TIU DOCUMENT FILE (#8925). In the event of a filing error, the first "^"-piece will be zero, and the second "^"-piece of this scalar return variable will be a textual message describing the nature of the error (e.g., 0^Invalid TITLE Selected.").	'TIU CREATE RECORD'	tiusign	RPCBroker1	Value := PNCSform.xPatientIENS.Caption; // Patient
										PType := literal; Value := aTitleIEN; // Title
										PType := literal; Value := ''; // VDT
										PType := literal; Value := ''; // VLOC
										PType := literal; Value := ''; // VisitIDIEN; //VSIT
										PType := literal; Mult['1202'] := AuthorIEN; Mult['1301'] := Piece(aVisitIDIEN, ';', 2); // Reference Date
										Mult['1205'] := Piece(aVisitIDIEN, ';', 1); // Location
										Mult['1208'] := FMEdit16.Text; // Cosigner
										Mult['1701'] := ''; //Subject
										PType := list; Value := aVisitIDIEN; // Visit Location; Date/Time; Service category (Optional)
										PType := literal; .Value := '1'; //Suppress?
										PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
TIU DELETE RECORD	DELETE	TIUSRVP	SINGLE VALUE	Deletes TIU Document records…Evaluates authorization.		Returns error message with ERR=1^Explanation text if the user is NOT authorized to delete the named record (e.g., it's his, but signed; or it's not his, and he better keep his paws off it).	'TIU DELETE RECORD'	tiusign	RPCBroker1	Value := aTIUNoteIEN; PType := literal; Value := Encrypt(aSignature) ; PType := literal;
TIU GET ALERT INFO	GETALRT	TIUSRVP	SINGLE VALUE	Given a TIU XQAID, return the patient anddocument type for the item being alerted.		TIUDA^DFN^gui tab indicator where TIUDA is the document IEN in ^TIU(8925 DFN is the patient IEN gui tab indicator is an arbitrarily set constant based on the document type.	'TIU GET ALERT INFO'	tiucosignature	RPCBroker1	Value := frmMain.Piece(OR ListBox1.Items[OR ListBox1.ItemIndex], '^', 8); PType := literal;
TIU GET RECORD TEXT	TGET	TIUSRVR1	GLOBAL ARRAY	This RPC will get the textual portion of a TIU Document Record.			TIU GET RECORD TEXT' 'TIU GET RECORD TEXT' 'TIU GET RECORD TEXT' 'TIU GET RECORD TEXT'	tiusign uncosignedutility tiucosignature tiudisplayunit	RPCBroker1 RPCBroker1 RPCBroker1 RPCBroker1	Value := aTIUNoteIEN; PType := literal; Value := TIUNoteIEN; //TIU Document number PType := literal; Value := frmMain.Piece(frm Main.Piece(frmMai n.Piece(ORListBox 1.Items[ORListBox 1.ItemIndex], '^', 8), ';', 1), 'U', 2); PType := literal; Value := editTIUDocumentN umber.text; PType := literal; No Params

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
TIU LOAD BOILERPLATE TEXT	BLRSHELL	TIUSRVD	GLOBAL ARRAY	This RPC will load the boilerplate text associated with the selected title, and execute the methods for any objects embedded in the boilerplate text.			'TIU LOAD BOILERPLATE TEXT'	PNCSMain	RPCBroker1	Copy(PNCSForm.xFMPNTitles.Items[xFMPNTitles.ItemIndex], Pos(' IEN#', PNCSForm.xFMPNTitles.Items[xFMPNTitles.ItemIndex]) + 6, 99); PType := literal; xPatientIENS.Caption; {Patient IEN} PType := literal;
TIU REQUIRES COSIGNATURE	REQCOS	TIUSRVA	SINGLE VALUE	This Boolean RPC simply evaluates whether the current user requires cosignature for TIU DOCUMENTS, and returns a 1 if true, or a 0 if false.		Boolean result: 0 if FALSE, OR 1 if TRUE.	'TIU REQUIRES COSIGNATURE'	tiusign	RPCBroker1	Value := Copy(pncsForm.xFMPNTitles.Items[x], Pos(' IEN#', pncsForm.xFMPNTitles.Items[x]) + 6, 99); PType := literal; Value := '0'; PType := literal; Value := AuthorIEN; PType := literal;
TIU SET DOCUMENT TEXT	SETTEXT	TIUSRVPT	SINGLE VALUE	This RPC buffers the transmittal of text (i.e., the body of TIU Documents) from the Client to the Server. It allows documents of indefinite size to be filed, without risk of an allocate error on the M Server.		Four '^'-piece scalar result formatted as follows: If successful: <IEN in TIU DOCUMENT FILE>^<LAST_PAGE_RECEIVED>^<TOTAL_PAGES_EXPECTED> If unsuccessful: 0^0^0^Explanatory text	'TIU SET DOCUMENT TEXT';	tiucosignature	RPCBroker1	Value := addendIEN; PType := literal; Mult["'TEXT',' + inttostr(x + 1) + ',0'] := addendumtext.lines[x]; or Mult["'HDR'"] := '1^1'; PType := list; Value := '0'; PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
TIU SIGN RECORD	SIGN	TIUSRVP	SINGLE VALUE	This API Supports the application of the user's electronic signature to a TIU document while evaluating authorization, and validating the user's electronic signature.		This is the error code which may result if the user enters an invalid code, or if the Authorization/Subscription Utility determines that the user is NOT authorized to sign (or cosign) the document, as specified by the site's business rules.	TIU SIGN RECORD' 'TIU SIGN RECORD'	tiusign tiucosignature	RPCBroker1 RPCBroker1	Value := aTIUNoteIEN; PType := literal; Value := Encrypt(aSignature); PType := literal; Value := addendIEN; PType := literal; Value := Encrypt(TIUSignForm.Edit3.Text); PType := literal;
TIU UPDATE RECORD	UPDATE	TIUSRVP	SINGLE VALUE	This API updates the record named in the TIUDA parameter, with the information contained in the TIUX(Field #) array. The body of the modified TIU document should be passed in the TIUX("TEXT",i,0) subscript, where i is the line number (i.e., the "TEXT" node should be ready to MERGE with a word processing field). Any filing errors which may occur will be returned in the single valued ERR			'TIU UPDATE RECORD'	tiucosignature	RPCBroker1	Value := addendIEN; PType := literal; Mult['1202'] := authorIEN; Mult['1301'] := dttm Mult['1701'] := ''; PType := list; Value := '1'; PType := literal;

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
				parameter (which is passed by reference).						
XUS SET VISITOR	SETVISIT	XUSBSE1	SINGLE VALUE				XUS SET VISITOR' 'XUS SET VISITOR'	CheckRemoteConnections FindPatientAnywhere	RPCBroker1 RPCBroker1	No Params No Params
XWB GET VARIABLE VALUE	VARVAL	XWBLIB	SINGLE VALUE	This RPC accepts the name of a variable which will be evaluated and its value returned to the server. For example, this RPC may be called with a parameter like DUZ which will be returned as 123456.			XWB GET VARIABLE VALUE' 'XWB GET VARIABLE VALUE' 'XWB GET VARIABLE VALUE' 'XWB GET VARIABLE VALUE' 'XWB GET VARIABLE VALUE'	essoselect PNCSMain REPORTS telnet tiudisplayunit	RPCBroker1 RPCBroker1 RPCBroker1 RPCBroker1 RPCBroker1	DUZ' 'DUZ' PType := reference; Value := 'DUZ("2")' PType := reference Value := 'DUZ("2")'; PType := reference; Value := 'DUZ("2")'; PType := reference;
DVBA CAPRI GETCONT REMARKS	WPGET	DVBACREM	ARRAY	This gets the remarks sent to the contractor concerning the 2507 REQUEST in file 396.3. The remarks are stored in the word	DVBEIEN	Returns a 1 if remarks exist	DVBA CAPRI GETCONT REMARKS	managerepor tsCCR.pas: procedure TfrmManage ReportsCCR. lstExamsReq uestedChang e	RPCBroker1	[Exm] Exm is the IEN of one of the exams in the list of exams associated with an exam request.

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NAME	TAG	ROUTINE	RETURN VALUE TYPE	DESCRIPTION	INPUT PARAMETER (Multiple)	RETURN PARAMETER DESCRIPTION	**Procedure Name**	**Locations**	**Broker Name**	**Parameter**
				processing field #103 of the 2507 EXAM file 396.4.						
DVBA CAPRI SETCONT REMARKS	WPSET	DVBACREM	LITERAL	The RPC sets remarks sent to the contractor into the new word processing field #103 of the 2507 EXAM file 396.4. The 2507 EXAMs are connected to the 2507 REQUEST file via a pointer.	EIEN	returns a 1 when set	DVBA CAPRI SETCONT REMARKS	frmContractedExamNewResend.pas: function TExntdCntrctdBaseFormNewRsnd.SendCntrctrRemarksToVista	RPCBroker1	[reqNmbr, ienslst], Lines reqNmbr is the IEN of exam request. ienslst is a string list which contains the iens of the selected exams. Lines contains the contractor request remarks.