# Emergency Department Integration Software

Version 1.0
Installation Guide
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Department of Veterans Affairs
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## Revision History

*Note:* *The revision-history cycle begins after the initial version of the installation guide has been completed and approved.*

| Date | Patch or Version | Description | Project Manager | Authors |
|------|------------------|-------------|-----------------|---------|
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# Table of Contents

# 1.    Emergency Department Integration Software

## 1.1.    Overview

Emergency Department Integration Software (EDIS) incorporates several Web-based views that extend the current Computerized Patient Record System (CPRS) to help healthcare professionals track and manage the flow of patient care in the emergency-department setting. EDIS views are based on a class-three application developed by the Upstate New York Veterans Health Care Network—or Veterans Integrated Services Network (VISN) 2. Most EDIS views are site-configurable. EDIS enables you to:

- Sign in patients to the emergency department
- View patient status information on the display board
- Update patient status and location information throughout patients' visits
- Collect information about patients' dispositions
- Create operational reports

The system also includes views for correcting information and configuring the display board.

## 1.2.    Recommended Audience

This guide provides information specifically for Department of Veterans Affairs Medical Center (VAMC) information resource management (IRM) staff.

## 1.3.    About this Guide

This installation guide provides instructions for installing application components that run on M servers at VAMC facilities. It also provides instructions for performing post-installation tasks—including configuration tasks—that require knowledge of the underlying VistA system.

## 1.4.    Section 508 of the Rehabilitation Act of 1973

The Portable Document File (PDF) version of this guide supports assistive reading devices such as Job Access with Speech (JAWS).

## 1.5.    Document Conventions

**Bold type** indicates application elements (views, panes, links, buttons, prompts, and text boxes, for example) and keyboard key names.

Keyboard key names appear in angle brackets <>.

*Italicized text* indicates special emphasis or user responses.

ALL CAPS indicates M routines, parameters, and option names.

Dot-dash-dot boarders indicate excerpted text (from other documents or from applications).

## 1.6.    Related Documents

The following documents are available on the VistA Documentation Library (VDL), which is located at http://www.va.gov/vdl. You can also download a WinZip file (EDP1_0_Doc.zip)

that contains this installation guide, the EDIS user guide, and the EDIS technical manual from the ANONYMOUS software directories listed in Section 2.2.2 of this guide.

*Emergency Department Integration Software User Guide*
*Emergency Department Integration Software Technical Manual*
*Emergency Department Integration Software Glossary*

# 2. Pre-Install Instructions

## 2.1. Check the 230-234 Number Space

If your site has local files that are stored in the EDIS number space (230-234), remove the files *before* you install EDIS. Do this in your site's test and production VistA accounts. If you install EDIS with local files that occupy the EDIS number space, the application may behave unpredictably.

## 2.2. Install EDIS in Your Test Account

The EDIS project team recommends that you first install EDIS in a training or test account that is a mirror of your production account. This will give you the opportunity to experiment with the application's configuration options before setting up your site's production display-board configuration.

### 2.2.1. Test-Account URLs

Point users' browsers to the following uniform resource locater (URL) for access to the EDIS test server: http://staging.edis.med.va.gov/main.

Point display-board browsers to this URL: http://staging.edis.med.va.gov/main/board.html.

### 2.2.2. Retrieve the EDP1_0.KID Host File and EDP_1_0.ZIP File

You can download the host file containing EDP1_0.KID (ASCII) and EDP_1_0.zip (binary—contains files necessary for setting up large electronic display boards) via FTP from the following Office of Information Field Office (OIFO) ANONYMOUS SOFTWARE directories:

| OIFO | FTP Address | Directory |
|---|---|---|
| Albany | ftp.fo-albany.med.va.gov | anonymous.software |
| Hines | ftp.fo-hines.med.va.gov | anonymous.software |
| Salt Lake City | ftp.fo-slc.med.va.gov | anonymous.software |
| VistA Download Site | download.vista.med.va.gov | anonymous.software |

A WinZip file containing the EDIS 1.0 user guide, technical manual, and this installation guide is also available via these directories.

## 2.3. Check VistA Software Requirements

EDIS uses the following packages, which must be installed and fully patched in your accounts:

- CPRS 26 (OR*3.0*215) or greater
- VistALink 1.5 or greater
- Kernel Patch XU*8.0*451 (This patch installs the VistA components for Kernel Authentication & Authorization for J2EE—or KAAJEE.)

## 2.4.  Place and Protect New Globals

The EDIS host file ( a Kernel Installation and Distribution System [KIDS] build) creates files in the following globals:

| Global | Type | Comments | Placement | Journal | Protection |
|---|---|---|---|---|---|
| EDP | Dynamic | This global will grow at a yearly rate of about 2000 bytes multiplied by the number of emergency visits per year. For example, 12,000 emergency visits per year will increase the global yearly by about 24 MB | Place the EDP global in a volume set that is large enough to accommodate this kind of growth | Yes | RWP or D |
| EDPB | Static | This global should remain fairly small—its size is currently about 50K | Place the EDPB global as desired | Yes | RWP or D |

### 2.4.1.  Namespace and Number Space

The namespace for EDIS is *EDP*. The number space is *230-234*.

## 2.5.  Check Workstation Configuration (You May Do This Later)

You may perform this step now, in preparation for EDIS, or after you've installed EDIS.

EDIS runs in Adobe Flash Player, which runs in a Web browser. EDIS has been tested with Internet Explorer 6 and Firefox 2. The correct version of Flash Player is probably already running on many users' workstations. If a workstation lacks the Flash Player 9 plug-in, you must install it. This is a one-time installation. It is not necessary to install Flash Player with subsequent releases of EDIS.

To check the version of Flash Player that is installed on a workstation, open a browser on the workstation and point it to: http://www.adobe.com/products/flash/about/.

The browser will display the version of Flash Player (if any) that is currently installed.

To install Flash Player on a workstation:

1. Log into the workstation with administrative access.
2. Point the workstation's browser to http://www.adobe.com/go/getflashplayer.
3. Click **Download Now** to download the installer.
4. Close all browser windows.
5. Double-click the installer icon (usually named something like install_flash_player.exe).
6. Follow the onscreen prompts. The installation will complete in a few seconds. You will not need to restart the machine.

*Note:*  *Appendix A contains a Flash Player 9 installation example.*

### 2.5.1.  Flash Player: Minimum Requirements for Microsoft Windows

- Intel Pentium II 450MHz or faster processor (or equivalent), AMD Athlon 600MHz or faster processor (or equivalent)
- 128MB RAM
- Browsers:

### Browser Requirements for Flash Player 9.x

| Platform | Browser |
|---|---|
| Windows Vista | Internet Explorer 7, Firefox 2.0, AOL 9 |
| Windows XP | Internet Explorer 6.0 or later, Firefox 1.*x*, Firefox 2.*x*, Mozilla 1.*x* or later, Netscape 7.*x* or later, AOL 9, Opera 7.11 or later |
| Windows Server 2003 | Internet Explorer 6.0 or later, Firefox 1.*x*, Firefox 2.*x* |
| Windows 2000 | Internet Explorer 5.*x*, Firefox 1.*x*, Firefox 2.*x*, Mozilla 1.*x*, Netscape 7.*x* or later, AOL 9, Opera 7.11 or later |
| Windows Millennium Edition | Internet Explorer 5.5, Firefox 1.*x*, Mozilla 1.*x*, Netscape 7.*x* or later, AOL 9, Opera 7.11 or later |
| Windows 98 | Internet Explorer 6.0 or later, Firefox 1.*x*, Mozilla 1.*x*, Netscape 7.*x* or later, Opera 7.11 or later |

### Browser Requirements for Flash Player 10.x

| Platform | Browser |
|---|---|
| Windows Vista | Internet Explorer 7.0 or later, Firefox 2.*x*, Firefox 3.*x*, AOL 9, Opera 9.5 or later, Safari 3.*x*, Chrome 2.0 or later |
| Windows XP | Internet Explorer 6.0 or later, Firefox 2.*x*, Firefox 3.*x*, AOL 9, Opera 9.5 or later, Safari 3.*x*, Chrome 2.0 or later |
| Windows Server 2003 | Internet Explorer 6.0 or later, Firefox 2.*x*, Firefox 3.*x* |
| Windows 2000 | Internet Explorer 6.0, Firefox 2.*x*, Firefox 3.*x*, AOL 9, Opera 9.5 |
| Windows Server 2008 | Internet Explorer 7.0 or later, Firefox 3.*x* |
| Windows 7 | Internet Explorer 8.0 or later, Firefox 3.*x* or later |

## 2.5.2.  Flash Player: Minimum Requirements for Apple Mac OS

- PowerPC G3 500MHz or faster processor or Intel Core Duo 1.33GHz or faster processor
- 128MB RAM
- Browsers:

### Browser Requirements for Flash Player 9.x

| Platform | Browser |
|---|---|
| Mac OS X  10.1 or later (PowerPC) | Firefox 1.*x*, Mozilla 1.*x*, Netscape 7.*x* or later, AOL for Mac OS X, Opera 6, Safari 1.*x* or later |
| Mac OS X 10.4.x or later (Intel) | Firefox 1.5.0.3 or later, Opera 6, Safari 2.*x* |

| | or later |
|---|---|

**Browser Requirements for Flash Player 10.x**

| Platform | Browser |
|---|---|
| Mac OS X 10.4 or 10.5 (PowerPC) | Firefox 2.*x*, Firefox 3.*x*, AOL for Mac OS X, Opera 9.5, Safari 3.*x* |
| Mac OS X 10.4.x or 10.5 (Intel) | Firefox 2.*x*, Firefox 3.*x*, Opera 9.5, Safari 3.*x* |
| Mac OS X 10.6 | Firefox 3.*x* or later, Safari 5.*x* or later |

## 2.6.  Check Server Requirements (Thin Client Environments—You May Do This Later)

If your site has a thin-client environment, make sure that Flash Player is up to date on all servers.

If your thin-client environment includes roaming profiles, use the following URL to preselect your site and disable site-selection on the EDIS login screen: https://vaww.edis.med.va.gov/main/tracking.html?kaajeeDefaultInstitution=[your institution number]&kaajeeDisableInstitutionComponents=true. For example, if your institution number is XXX, you would use this URL: https://vaww.edis.med.va.gov/main/tracking.html?kaajeeDefaultInstitution=XXX&kaajeeDisableInstitutionComponents=true.

## 2.7.  Install and Configure VistALink for EDIS

If VistALink 1.5 is not running, configure it to run at this time.

*Note:*    *Every system that handles VistALink connections must be running a VistALink listener. If your site's load balancer passes control to different VistA instances, each of these instances must be running a VistALink listener.*

EDIS national servers are currently located at the Falling Waters, VA data center. This facility also hosts Blind Rehabilitation and Patient Advocate Tracking System (PATS). OI&T management recommends that a connector proxy be used for each data center. Your site will probably not need to create a new connector proxy for EDIS because it can share the existing connector proxy with Blind Rehabilitation and PATS.

If your site has *not* installed and configured VistALink, please refer to chapter 2 in *VistALink Installation Guide 1.5*. You can download this document from the VistA Documentation Library (VDL) at www.va.gov/vdl. Use this guide to install and configure VistALink 1.5.

### 2.7.1.  Create a Connector Proxy M Account

*If your site has not created a VistALink connector proxy,* use the Kernel Tool's **Foundations Manager** menu to create the Connector Proxy M Account.

1. On the **Foundations Manager** main page, select **CP Enter/Edit Connector Proxy User.**

```
Foundations Manager :: Main   Jul 26, 2010@18:25:50      Page:    1 of    1
                    <<<       VistALink Parameters       >>>

      VistALink Version: 1.5    Heartbeat Rate: 180    Latency Delta: 180

                    <<< VistALink Listener Status Log >>>
  ID  Box-Volume         Port   Status        Status Date/Time    Configuration

         If this screen shows no running listener(s), it is likely that
         the VistALink listener(s) for this system are managed by the
         TCP/IP utility at the VMS system level and are already running.

         The following TCP/IP command will show the status of all
         listener services with names starting with vlink:
              $ tcpip show service vlink*
         Please contact IRM site staff for additional information
         regarding the VistALink listener(s) such as port number(s).
        █████████████Enter ?? for more actions████████████████████████████
SP  Site Parameters                     SL   Start Listener
CFG Manage Configurations               STP  Stop Listener
CP  Enter/Edit Connector Proxy User     SB   Start Box
RE  Refresh                             CU   Clean Up Log
SS  System Status
Select Action: Quit// █
```

**Figure 1: Screen capture of the Foundations Manager window with the CP selection highlighted.**

2. At the **Enter NPF CONNECTOR PROXY name** prompt, type *CONNECTOR, EDIS.*
3. At the **Are you adding 'CONNECTOR, EDIS' as a NEW PERSON** prompt, type *Y* for *yes*.
4. At the **Want to edit ACCESS CODE** prompt, type *Y* for *yes*.
5. At the **Enter a new ACCESS CODE <Hidden>** prompt, type an access code for your EDIS connector. *Remember this access code.*
6. At the **Please re-type the new code to show that I have it right** prompt, retype the new access code.
7. At the **Want to edit VERIFY CODE** prompt, type *Y* for *yes*.
8. At the **Enter a new VERIFY CODE** prompt, type a new verify code. *Be sure to remember this code.*
9. At the **Please re-type the new code to show that I have it right** prompt, retype your new verify code. When the **Foundations Manager** window confirms that you have successfully

changed your verify code, you have successfully created your connector proxy M account.

```
SP  Site Parameters                      SL  Start Listener
CFG Manage Configurations                STP Stop Listener
CP  Enter/Edit Connector Proxy User      SB  Start Box
RE  Refresh                              CU  Clean Up Log
SS  System Status
Select Action: Quit// CP   Enter/Edit Connector Proxy User
Enter NPF CONNECTOR PROXY name : CONNECTOR,EDIS
   Are you adding 'CONNECTOR,EDIS' as a new NEW PERSON (the 763RD)? No// Y  (Yes)
Checking SOUNDEX for matches.
No matches found.
Want to edit ACCESS CODE (Y/N): Y
Enter a new ACCESS CODE <Hidden>: *********
Please re-type the new code to show that I have it right: *********
OK, Access code has been changed!
The VERIFY CODE has been deleted as a security measure.
You will need to enter a new VERIFY code so the user can sign-on.

Want to edit VERIFY CODE (Y/N): Y

Enter a new VERIFY CODE: *********

Please re-type the new code to show that I have it right: *********

OK, Verify code has been changed!
```

**Figure 2: Screen capture of the Foundations Manager window with highlighted connector proxy prompts and responses.**

## 2.7.2.   Check the Status of Your Site's VistALink Listener

If you aren't sure whether or not a VistALink listener is running in your account, please check by performing the following steps on a Windows workstation that is connected to the VA network:

1. Open a command prompt. You can open a command prompt from the **Start** menu in either of two ways:

   a. Click **Start**, then **All Programs**, then **Accessories**, and then **Command Prompt**.
   b. Click **Start** and then click **Run**. In the **Run** dialog's **Open** box, type *cmd.exe*.

2.  At the command prompt, type the word *telnet*, press the <**Spacebar**> key, and then type the IP address and port of your site's VistALink listener. The **Command Prompt** window should look like the window in the following screen capture, where *10.nnn.nnn.nnn* is the four-byte IP address and *pppp* is the port number of your VistALink listener.
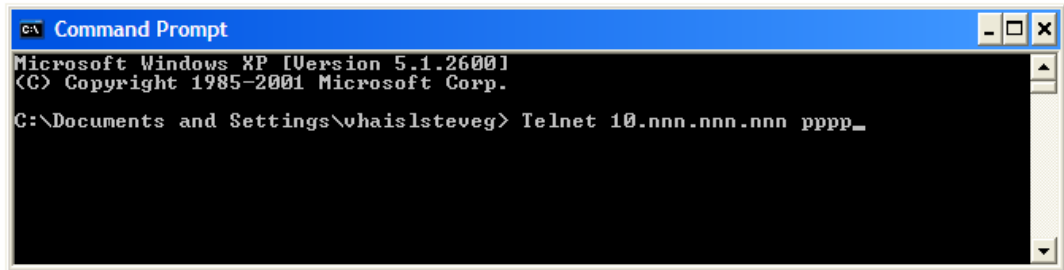


**Figure 3: Screen capture of the Command Prompt window.**

3.  Press the <**Enter**> key. You should see the **Telnet** window with the IP address showing in the window's title bar.
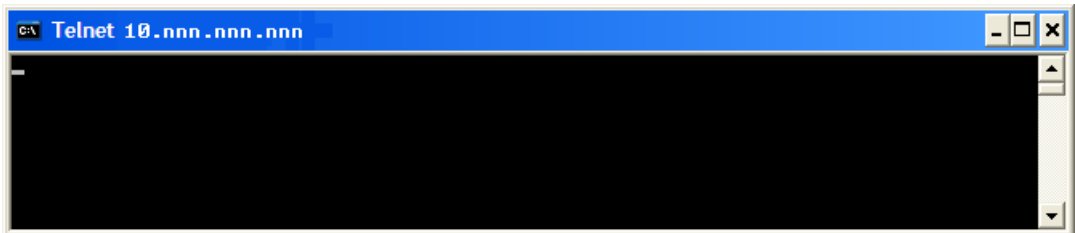


**Figure 4: Screen capture of the Telnet window**

4.  Press the <**Enter**> key again. The **Telnet** window should display an XML error message that is very similar to the error message in the following screen capture. This error message results from requesting a telnet connection to the listener. (Telnet connections are not valid for listeners.) The message lets you know that the listener is there and is listening.
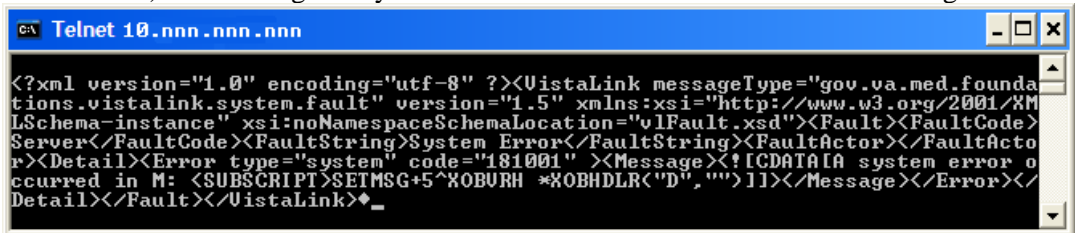


**Figure 5: Screen capture of the XML telnet error message**

If your listener is not present, not correctly configured, or not enabled, telnet will immediately drop your connection. You will not see an XML error message. In this event, please contact you VistALink support personnel.

5.  Close the **Telnet** window by clicking **X** in the upper lefthand corner.

### 2.7.3.    Send VistALink Connector Information to the National Server EDIS Administrator

The next step is to send the following information to the EDIS administrator. You must send this information securely via public key infrastructure (PKI). Securely send this information for both the VistALink connector on your test VistA system and the VistALink connector on your production VistA system.

- The IP address for your site's VistA server

- The IP address and port number of your site's VistALink listener
- The access code for the VistALink connector
- The verify code for the VistALink connector

## 2.8. Add Browser Links for EDIS (You May Do This Later)

While at users' workstations, create shortcuts to EDIS software. The URL for the EDIS production server is: http://vaww.edis.med.va.gov/main.

*Note:* *If you want to preselect your site on the EDIS login screen and disable users' ability to select another site, use this URL: https://vaww.edis.med.va.gov/main/tracking.html?kaajeeDefaultInstitution=[your institution number]&kaajeeDisableInstitutionComponents=true. (For example, if your institution number is XXX, the URL you should use is https://vaww.edis.med.va.gov/main/tracking.html?kaajeeDefaultInstitution=XXX&kaajeeDisableInstitutionComponents=true.)*

To create a shortcut on users' desktops:

1. Right click the desktop and select **New** and then select **Shortcut**.
2. Type the URL (http://vaww.edis.med.va.gov/main) in the **Type the location of the item** box and then click **Next**.
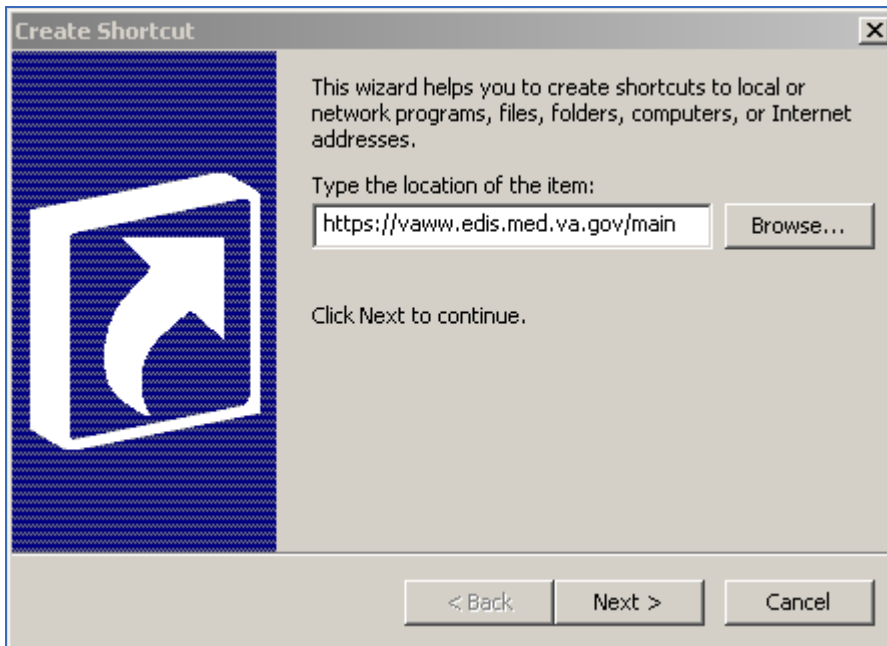


**Figure 6: The Create Shortcut dialog box.**

3. Type a meaningful name for the shortcut in the **Type a name for this shortcut** box and click **Finish** to place the shortcut on the desktop.
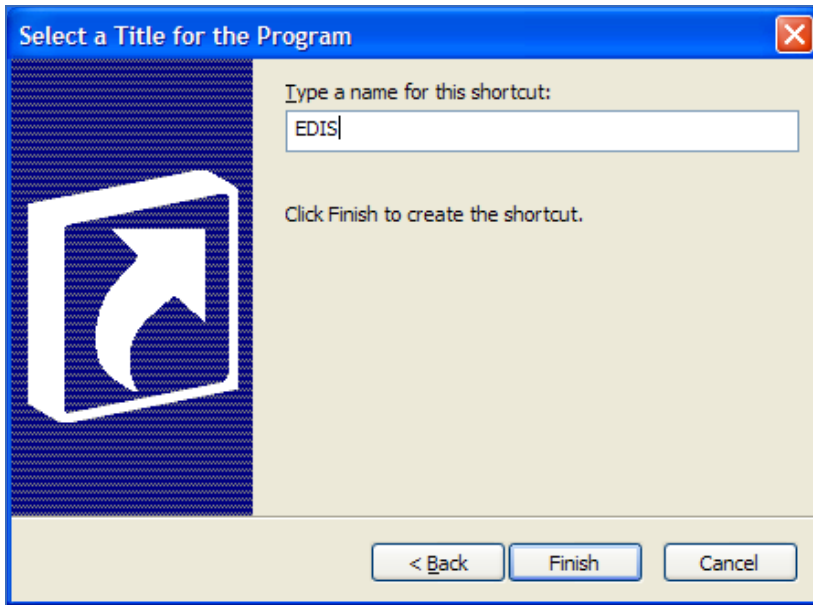
**Figure 7: The Select a Title for the Program dialog box.**

## 2.9. Install Flex Scripts on JAWS Users' Machines (You May Do This Later)

While you are at users' workstations, you may also want to download and install Adobe Flex accessibility scripts for users who rely on Job Access with Speech (JAWS). These scripts enable JAWS users to employ the standard keyboard shortcut to enter Forms mode on EDIS interface controls.

Download JAWS scripts for Flex 3 (an executable file) at http://www.adobe.com/accessibility/products/flex/jaws.html.

Click the executable file to install the scripts on users' machines.

# 3. Installing M Server Components

## 3.1. Install the Emergency Department 1.0 Host File

Follow these instructions to install the EDIS patch. Installation time is less than one minute.

1. Select **Installation** from the **XPD MAIN** option.
2. From the **Select Installation Option** menu, select **Load a Distribution**.
3. At the **Enter a Host File** prompt, type *EDP1_0.KID*.
4. At the **OK to continue with Load? NO//** prompt, type *YES*.
5. At the **Want to Continue with Load? YES//** confirmation, press the **<Enter>** key to confirm that you want to continue.
6. The installation menu presents a list that includes the following options:
     i. Backup a Transport Global
    ii. Compare Transport Global to Current System
   iii. Verify Checksums in Transport Global.
        Select these options one by one.
7. When prompted **Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//** respond *YES*.
8. When prompted **Want KIDS to INHIBIT LOGONs during the install? YES//,** respond *NO*.
9. When prompted **Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//,** respond *NO*.

*Note:* *Appendix B contains an installation example.*

## 3.2. Edit the EDPF LOCATION Parameter

This parameter should contain the hospital location or locations that your emergency department uses. If yours is a multi-division site, make an entry for each division.

1. Log in to VistA.
2. At the Select **OPTION NAME** prompt, type *xpar menu* (for **XPAR MENU TOOLS**) and then press the <**Enter**> key.
3. At the **Select General Parameter Tools Option** prompt, type *ep* (for **Edit Parameters**) and then press the <**Enter**> key.
4. At the **Select PARAMETER DEFINITION NAME** prompt, type *edpf l* (for **EDPF LOCATION**)*,* and then press the <**Enter**> key.
5. At the **Select INSTITUTION NAME** prompt, type the name or station number of your institution and then press the <**Enter**> key.
6. At the **Select Time Range (ex. 0800-1200) or Sequence** prompt, type the time range during which the clinic location you are about to select functions as your site's emergency department. Use military time. For example, if the location serves as your site's emergency department from 8:00 a.m. to 5:00 p.m., type *0800-1700*. Alternately, type a number that represents the location's preference rating (the number *1* represents the most-preferred location). Press the <**Enter**> key. When users create a PCE encounter, EDIS uses time-of-day-based or preference-based criteria to determine the encounter's location.

*Note:* *When selecting time ranges, take care to account for all hours of emergency-department operation. EDIS does not create PCE appointments for patients whom users enter during times that you don't include in the EDPF LOCATION parameter. For example, suppose you set the parameter to use Clinic A from 0700 to 0800 hours and Clinic B from 0900 to 1200 hours. If a user then adds a patient at 0830*

*hours, EDIS will not create a PCE appointment for the patient. Further, take care not to overlap hours. In cases where hours overlap, EDIS always creates the patient's PCE appointment for the first clinic.*

*Note:* *EDIS uses the time and preference settings you specify here to populate its **Clinic** list when you select the **Show clinics on entry form** check box in the application's **Configure** view. This parameter allows users at sites that have multiple emergency-department locations to select the location EDIS will use when it creates the patient's emergency-department visit in CPRS.*

7. VistA displays your new time range or selection as a default value. Press the **<Enter>** key to accept this default value.
8. At the **ED LOCATION** prompt, type the name of the location that serves as your site's emergency department during this time range or for this sequence and press the <**Enter**> key.
9. Repeat steps 6 through 8 for additional emergency-department locations (if any).

## 3.3.    Edit the EDPF NURSE STAFF SCREEN Parameter

The EDPF NURSE STAFF SCREEN parameter allows you to select the type of filtering EDIS uses to populate the nursing-staff selection list in its **Assign Staff** view. By default, the application allows all entries in the New Person (#200) file. Options for narrowing the list of possible staff selections include:

- Allow only persons who are present and active in the NURS STAFF file (#210)
- Allow only persons who hold the ORELSE key
- Allow only persons who hold the PSJ RNURSE key
- Allow selection from all entries in the New Person file (#200)


1. Log in to VistA
2. At the **Select OPTION NAME** prompt, type *xpar edit parameter* and press the <**Enter**> key.
3. At the **Select PARAMETER DEFINITION NAME** prompt, type *edpf nurse staff* and press the <**Enter**> key.
4. At the **Enter selection** prompt, type the number *3* (for **Division**) and press the <**Enter**> key. If your site has only one division, you can set this parameter at the system level by typing the number *5* (for **System**).
5. At the **Select INSTITUTION NAME** prompt, type your institution's name and then press the <**Enter**> key. VistA displays a list of criteria that EDIS can use to filter entries in the New Person (#200) file.
6. At the **Allow Persons** prompt, type one of the following numbers to select a screening criterion and then press the <**Enter**> key:
    i. *0* (**Active in NURS STAFF (210)**
    ii. *1* (**Hold ORELSE Key**)
    iii. *2* (**Hold PSJ RNURSE Key**)
    iv. *3* (**All Persons (No Screen)**)

# 4. Post Installation

## 4.1. Convert Existing Data from the Class-III Application to EDIS (Skip This Step if Your Site Has Never Used the Syracuse Application)

You can convert data from class III (Syracuse) application files to EDIS files via a standalone option: **EDP Conversion.**

1. At the **Select OPTION NAME** prompt, type *EDP CONVERSION*. The application displays the following information:

   > Select OPTION NAME: EDP CONVERSION      Convert local ER data to EDIS files.
   >
   > This option will copy ER configuration and visit data at your site to the new Emergency
   >
   > Department application. For each division, your local configuration data will be copied
   >
   > first, followed by all currently active patient visits. A task will then be queued to
   >
   > populate previous, closed visits in the national application files to allow reports to
   >
   > continue to function.

2. The conversion option presents you with a list of your local divisions. At the **Select the division you wish to convert:** prompt, type the name or division number of the division whose data you want to convert and press the <**Enter**> key.

   *Note:*       *You can run EDP CONVERSION only once for each division.*

3. At the **Do you wish to convert the configuration as well as the data?** prompt, type *YES* and press the <**Enter**> key *if you want to convert configuration data from the class-III application.*

   *Note:*       *If you have already configured EDIS, EDP CONVERSION will overwrite these EDIS configurations with your class-III configurations. If you want to convert only patient data, type NO at this prompt and press the <**Enter**> key.*

   The conversion process displays the following warning:

   > DO NOT PROCEED UNTIL YOU ARE READY TO USE THE NEW EDIS PACKAGE!!

4. If you are ready to use the new EDIS package at the division you've selected, type *YES* at the **Are you ready? NO//** prompt. The option initiates the conversion process and displays the following informational text:

   > Copying local configuration ...
   >
   > Copying currently active visits ...
   >
   > Task #12345 started to copy closed visits.

### 4.1.1. The Conversion Process

If you attempt to run the EDP CONVERSION option on a VistA implementation that contains no class-three data—that is, at a site that was not previously running the Syracuse application—the EDP CONVERSION option quits running and displays the following message: **You have no ER data to convert.**

Otherwise, the option begins the conversion process by copying your site's class-III configuration settings to EDIS files (unless you choose not to convert these settings). You can edit these settings later to fine tune EDIS's behavior.

The conversion option then copies all currently active visits to EDIS files and, finally, queues a background job to copy closed class-three visits to EDIS files (thus ensuring that reporting functions continue to operate accurately).

EDIS initializes a stub in the ^XTMP global when you install the application. It uses this stub to track each part of the conversion process, saving the last converted entry number in each section so it can pick up where it left off should you find it necessary to restart the conversion process. As it completes each section, the option sets the section's ^XTMP piece to null. When the option completes the entire conversion process, it sets the node to DONE.

### 4.1.1.1. Restarting the Conversion Process

Follow steps 1 and 2 in section 4.1 of this guide ("Convert Existing Data from the Class-III Application to EDIS") to restart the conversion process. The conversion option displays messages that tell you what it has already converted and what it is in the process of converting. If you restart the EDP CONVERSION option after the option has completed the conversion process, it displays the following message: **All data has been converted.**

## 4.2.    Rebuild Menus

The KIDS installation process rebuilds VistA menu trees *before* you assign new EDIS menus. You must therefore perform a menu rebuild *after* you assign these menus *for the first time*. If you do not, graphical user interface (GUI) applications like EDIS won't know who has access to the new options. Again, performing a menu rebuild is necessary only once for menus that have never before been assigned.

The EDIS project team recommends that you assign to yourself the EDPF TRACKING MENU ALL option—which includes all EDIS menus—and then manually rebuild VistA menu trees.

### 4.2.1.    Assign Menu Options

1. Log in to VistA.
2. At the **Select OPTION NAME** prompt, type *eve* and then press the <**Enter**> key.
3. At the **Choose 1-5** prompt, type the number *1* (for **EVE Systems Manager Menu**) and press the <**Enter**> key.
4. At the **Select Systems Manager Menu Option** prompt, type *user* (for **User Management**) and press the <**Enter**> key.
5. At the **Select User Management Option** prompt, type *edit* (for **Edit an Existing User**) and press the <**Enter**> key.
6. At the **Select NEW PERSON NAME** prompt**,** type your (or another user's) name using the following format: lastname,firstname. Press the <**Enter**> key.
7. Press the <**Down Arrow**> key to highlight the **Select SECONDARY MENU OPTIONS** field. (Type a question mark (*?*) to see a list of the secondary options that are currently assigned to you.)
8. In the **Select SECONDARY MENU OPTIONS** field, type *EDPF TRACKING MENU ALL* and then press the <**Enter**> key.

9. At the **Are you adding …as a new SECONDARY MENU OPTIONS (the…for this NEW PERSON)? No//** prompt, type *Yes* and press the <**Enter**> key.
10. Press the <**Enter**> key again to accept this new option.
11. In the **SYNONYM** field, type a synonym for the option (optional). Press the <**Enter**> key.
12. Press the <**Enter**> key to close the **COMMAND** field and return to the **Select SECONDARY MENU OPTIONS** field.
13. Type the word *exit* in the **COMMAND** field.
14. At the **Save changes before leaving form (Y/N)?** prompt, type the letter *Y* and press the <**Enter**> key.

### 4.2.2.    Rebuild Menu Trees

Log in to VistA.

1. At the **Select OPTION NAME** prompt, type *eve* and then press the <**Enter**> key.
2. At the Choose 1-5 prompt, type the number *1* (for **EVE Systems Manager Menu**) and press the <**Enter**> key.
3. At the **Select Systems Manager Menu Option** prompt, type the word *menu* (for **Menu Management**) and press the <**Enter**> key.
4. At the **Select Menu Management Option** prompt, type the word *menu* (for **Menu Rebuild Menu**) and press the <**Enter**> key.
5. At the **Select Menu Rebuild Menu Option** prompt, type the word *build* (for **Build Primary Menu Trees**) and press the <**Enter**> key.
6. At the **Do you wish to verify each primary menu? NO//** prompt, press the <**Enter**> key to accept the default selection.
7. At the **Would you like to build secondary menu trees too? YES//** prompt, press the <**Enter**> key to accept the default selection.

*Note:*      *If you type NO in response to this question, VistA will remove access to all EDIS options for all users.*

8. At the **Would you like to queue this job? YES//** prompt, press the <**Enter**> key to accept the default selection. If you want to run the job immediately, type *NO,* and then press the <**Enter**> key. If you choose the latter option, be advised that running a menu rebuild can take time.
9. At the **Requested Start Time: NOW//** prompt, press the <**Enter**> key to accept the default selection.

After the system runs the menu rebuild, remove the menu options you don't need.

## 4.3.    Assign Options for Emergency Department Users

You must assign to users and clinical application coordinators (CACs) at least one of the following secondary menu options. These options provide rudimentary capabilities for limiting application access based on user roles. The EDIS project team recommends working with your site's emergency-department administrative and IT staff to determine which users should receive which menu options.


- EDPF TRACKING MENU ALL: provides access to all views
- EDPF TRACKING MENU SIGNIN: provides access to the **Sign In** and **Display Board** views—it includes the ability to add patients. This menu also provides access to the following data-entry fields:

1. **Complaint for Display Board**
2. **Room / Area**
3. **Source** (the source of patients' visits)

- EDPF TRACKING MENU TRIAGE: provides access to the Triage and Display Board views—it includes the ability to add patients. This menu also provides access to the following data-entry fields:
    1. **Complaint for Display Board**
    2. **Long Complaint (optional)**
    3. **Room / Area**
    4. **Acuity**
    5. **Status**
    6. **Nurse**
    7. **Provider**
    8. **Resident** (if the **Show residents on entry form** parameter is enabled)
    9. **Source**
    10. **Clinic** (if the **Show clinics on entry form** parameter is enabled)
- EDPF TRACKING MENU CLINICIAN: provides access to the **Update**, **Disposition**, and **Display Board** views—it includes the ability to remove patients from the board and provides access to the following data-entry fields:
    1. **Room / Area**
    2. **Status**
    3. **Provider, Resident, and Nurse staff-assignment lists**
    4. **Comments**
    5. **Disposition**
    6. **Delay Reason** (if the **Delay reason is required…**parameter is enabled)
    7. **Diagnosis**
- EDPF TRACKING VIEW CONFIGURE: provides access to the **Configure** view—which includes the ability to configure rooms and areas, colors, one or multiple display boards, site-configurable parameters, and the contents of application pick lists
- EDPF TRACKING VIEW DISPOSITION: provides access to the **Disposition** view—it includes the ability to remove patients from the board and provides access to the following data-entry fields:
    1. **Room / Area**
    2. **Status**
    3. **Provider**
    4. **Resident**
    5. **Disposition**
    6. **Delay Reason**
    7. **Diagnosis**
- EDPF TRACKING VIEW EDIT CLOSED: provides access to the **Edit Closed** view, which includes the ability to edit all data-entry fields for closed visits; the EDIS project team recommends limiting access to this view
- EDPF TRACKING VIEW REPORTS: provides access to the **Reports** view, which includes the ability to run administrative reports; separate keys control user access to export and print privileges, and to limited-access reports (See Section 4.4, "Assign Keys for EDIS Users")
- EDPF TRACKING VIEW SIGNIN: provides access to the **Sign In** view
- EDPF TRACKING VIEW STAFF: provides access to the **Assign Staff** view—it offers the ability to update physician-, resident-, and nursing-staff pick lists
- EDPF TRACKING VIEW TRIAGE: provides access to the **Triage** view
- EDPF TRACKING VIEW UPDATE: provides access to the **Update** view

To reiterate: work with your site's CACs and emergency-department managers to gather a list of EDIS users and determine which views each user needs. Assign to each user only views he or she needs.

1. Log in to VistA.
2. At the **Select OPTION NAME** prompt type *eve* and then press the <**Enter**> key.
3. At the **Choose 1-5** prompt, type the number *1* (for **EVE Systems Manager Menu**) and press the <**Enter**> key.
4. At the **Select Systems Manager Menu Option** prompt, type *User Management* and press the <**Enter**> key.
5. At the **Select User Management Option** prompt, type *edit* (for **Edit an Existing User**) and press the <**Enter**> key.
6. At the **Select NEW PERSON NAME** prompt, type the user's name using the following format: lastname,firstname. Press the <**Enter**> key.
7. Press the <**Down Arrow**> key to highlight the **Select SECONDARY MENU OPTIONS** field. (Type a question mark (*?*) to see a list of the secondary options that are currently assigned to the user.)
8. In the **SECONDARY MENU OPTIONS** field, type one of the options listed above and then press the <**Enter**> key:
9. At the **Are you adding …as a new SECONDARY MENU OPTIONS (the…for this NEW PERSON)? No**// prompt, type *Yes* and press the <**Enter**> key.
10. Press the <**Enter**> key again to accept this new option.
11. In the **SYNONYM** field, type a synonym for the option (optional). Press the <**Enter**> key.
12. Press the <**Enter**> key to close the **COMMAND** field and return to the **Select SECONDARY MENU OPTIONS** field.
13. Repeat steps 6 through 12 to assign other options as necessary.
14. Press the <**Down Arrow**> key to move through the **Edit Existing User** dialog. At the end of each page, type the letter *n* in the **COMMAND** field to enter the following page.
15. Stop on page 3.
16. Check the user's person class, which appears on page 3, to make sure the user's person class is active.
17. If the user's person class is not active, select an active person class for the user.
18. When you have entered all applicable secondary menu options and verified that the user has an active person class, type the word *Exit* in the **COMMAND** field.
19. At the **Save changes before leaving form (Y/N)?** prompt, type the letter *Y* and press the <**Enter**> key.

## 4.4.    Assign Keys for EDIS Users

Assign keys for users who need access to additional reporting capabilities. The following keys are available:

- **EDPR EXPORT** enables the export option for EDIS reports
- **EDPR PROVIDER** allows users to access to the Provider report, which lists statistics for each emergency department provider
- **EDPR XREF** provides access to the Patient XRef (cross reference) report, which associates patients' emergency department visit numbers with their patient IDs

1. Log in to VistA
2. At the **Select OPTION NAME** prompt, type *eve* and then press the <**Enter**> key.
3. At the **Choose 1-5** prompt, type the number *1* (for **EVE Systems Manager Menu**) and then press the <**Enter**> key.
4. At the **Select Systems Manager Menu Option** prompt, type *menu* (for **Menu Management**) and then press the <**Enter**> key.
5. At the **Select Menu Management Option** prompt, type the word *key* (for **Key Management**) and then press the <**Enter**> key. .
6. At the **Select Key Management Option** prompt, type the word *allocation* (for **Allocation of Security Keys**). Press the <**Enter**> key.
7. At the **Allocate key** prompt, type the name of the security key you want to assign—*EDPF EXPORT*, for example. Press the <**Enter**> key.
8. At the **Holder of key** prompt, type the name of the first user to whom you are assigning the key and then press the <**Enter**> key.
9. At the **Another holder** prompt, type the name of a second user to whom you are assigning the key and then press the <**Enter**> key. Repeat this step for all users to whom you are assigning the key.
10. At the **You are allocating keys. Do you wish to proceed? YES//** prompt, press the <**Enter**> key to accept the default response.

## 4.5.    Configure Workstations to Run EDIS (If Not Done Earlier)

If the workstations that will be running EDIS have not been configured, follow the instructions in sections 2.4 through 2.7 now.

Basic EDIS installation is now complete and users may begin using EDIS.

## 4.6.    Configure a Display Board Size

The EDIS **Configure** view allows users to select the optimal screen size for your site's electronic whiteboard (or big-board) display. The application ships with the following display sizes:

- 640 x 480
- 800 x 600
- 1024 x 768
- 1280 x 800
- 1280 x 1024

If your site's optimal display size isn't on this list, you can add it by taking the following steps.

1. Log in to VistA.
2. At the **Select OPTION NAME** prompt, type *xpar menu* (for **XPAR MENU TOOLS**) and then press the <**Enter**> key.
3. At the **Select General Parameter Tools Option** prompt, type *ep* (for **Edit Parameter Values**) and then press the <**Enter**> key.
4. At the **Select PARAMETER DEFINITION NAME** prompt, type *edpf screen* (for **EDPF SCREEN SIZES**) and then press the <**Enter**> key.
5. At the **Enter selection** prompt, type *5* (for **Division**) and then press the <**Enter**> key.
6. At the **Select INSTITUTION NAME** prompt, type the name of your institution or its station number and then press the <**Enter**> key.
7. At the **Select Sequence** prompt, type a number that represents the selection-list sequence in which you want the display size to appear and press the <**Enter**> key.
8. If you are adding this sequence as a new sequence, respond to the **Are you adding…as a new Sequence? Yes//** prompt by pressing the <**Enter**> key to accept the default.
9. At the **Screen Size (WIDTHxHEIGHT)** prompt, type the screen size you want EDIS to list and press the <**Enter**> key.
10. Repeat steps 7 through 9 to add additional selections to the screen-size list (as needed).

See [Appendix D: "Add Screen Sizes for Large Displays"](#) for a sample dialog that adds a 1200x1920 (portrait) display to the display list.

## 4.7. Configure EDIS to Work with Omnicell

If your site wants EDIS to work with its Omnicell implementation, you must manually add the Omnicell event protocol (VEFS SDAM) to the EDIS EDP NEW PATIENT event.

1. Open VA FileMan.
2. At the **Select OPTION** prompt, type the number *1* (**ENTER OR EDIT FILE ENTRIES**).
3. At the **INPUT TO WHAT FILE** prompt, type the word *protocol* (**PROTOCOL**).
4. At the **EDIT WHICH FIELD** prompt, type the word *item*.
5. At the **CHOOSE 1–2** prompt, type the number *1* (**ITEM (multiple)**).
6. At the **EDIT WHICH ITEM SUB-FIELD** prompt, press the <**Enter**> key to accept the default response (**ALL**).
7. At the **THEN EDIT FIELD** prompt, press the <**Enter**> key without typing a response.
8. At the **Select PROTOCOL NAME** prompt, type *EDP NEW PATIENT*.
9. At the **Select ITEM** prompt, type *VEFS SDAM* (the Omnicell event protocol). You don't need to respond to prompts for other fields in the **ITEM** multiple.

## 4.8. Configure EDIS Timeouts and Timeout Countdowns

EDIS uses the same parameter settings that CPRS uses for application timeouts and timeout countdowns: ORWOR TIMEOUT CHART and ORWOR TIMEOUT COUNTDOWN settings. If the ORWOR TIMEOUT CHART parameter contains a value, this value determines the amount of time that EDIS can sit idle before it displays a timeout warning and begins its countdown. If the ORWOR TIMEOUT CHART parameter contains no value, EDIS uses the value of the Timed Read (DTIME) parameter, which is available through VistA's user-setup menu.

The value of the ORWOR TIMEOUT COUNTDOWN setting determines the length of the application's timeout countdown.

EDIS displays its timeout message and countdown within the browser, at the bottom of users' current EDIS views. Because JAWS cannot read this message, EDIS also sounds a chime as it begins its timeout countdown.



**Figure 8: The EDIS timeout warning and countdown.**

### 4.8.1. Set the EDIS (and CPRS) Timeout

You can set the ORWOR TIMEOUT CHART parameter at the system, division, and user levels.

1. In **XPAR MENU TOOLS,** at the **Select General Parameter Tools Option** prompt, type *EP* (**Edit Parameter Values**) and press the <**Enter**> key.
2. At the **Select PARAMETER DEFINITION NAME** prompt, type *ORWOR TIMEOUT CHART* and press the <**Enter**> key.
3. At the **Enter selection** prompt, type the number *1* (User), *3* (Division), or *5* (System), depending upon the level at which you want to apply this timeout value.
    i. If you typed the number *1* (User), type the user's name at the **Select NEW PERSON NAME** prompt.
    ii. If you typed the number *2* (Division), type the division or institution name at the **Select INSTITUTION NAME** prompt.
4. At the **Timeout (GUI Chart)** prompt, type the number of seconds that can pass with CPRS and EDIS idle before the chart or EDIS times out.

*Note:* *The longest number of seconds that will currently work for EDIS timeout values is 2147483 (nearly 25 days).*

## 4.9. Backing out EDIS VistA Components

EDIS is a new package; it has its own namespace (*EDP*) and installs files in its own number space (230-234). (Please see section 2.1 "Check the 230-234 Number Space.") EDIS's interaction with other parts of VistA is mostly limited to listening for patient events. If you decide not to use EDIS after you install it, you can take the following steps to remove the application. After taking these steps, EDIS components will not run and EDIS will not interact with other VistA packages.

1. Edit the Protocol file (#101) to stop **EDP OR MONITOR** processes from listening for ordering and scheduling events:
    a. Remove **EDP OR MONITOR** from:
        **OR EVSEND RA**
        **OR EVSEND LRCH**
        **OR EVSEND FH**
        **OR EVSEND PS**
        **OR EVSEND GMRC**
    b. Remove **EDP MONITOR** from:
        **RA EVSEND OR**
        **LR70 CH EVSEND OR**
        **PS EVSEND OR**
        **GMRC EVSEND OR**
        **FH EVSEND OR**
        **OR EVSEND ORG**

2. Delete the values your site entered in the **EDPF LOCATION** parameter. This will stop EDIS listening events for locations that your site identified in this parameter as emergency department locations.
3. Delete the list of values for the **EDPF BIGBOARD KIOSKS** parameter. This will prevent large display boards from running at your site.
4. To prevent end users from running EDIS software, remove user access to, or disable the following EDIS menu options:
   EDPF TRACKING MENU ALL   menu
   EDPF TRACKING MENU CLINICIAN   menu
   EDPF TRACKING MENU SIGNIN   menu
   EDPF TRACKING M ENU TRIAGE   menu
   EDPF TRACKING VIEW BOARD   menu
   EDPF TRACKING VIEW CONFIGURE   menu
   EDPF TRACKING VIEW DISPOSITION   menu
   EDPF TRACKING VIEW EDIT CLOSED   menu
   EDPF TRACKING VIEW REPORTS   menu
   EDPF TRACKING VIEW SIGNIN   menu
   EDPF TRACKING VIEW STAFF   menu
   EDPF TRACKING VIEW TRIAGE   menu
   EDPF TRACKING VIEW UPDATE   menu

# 5. Configure a Workstation to Run the Large Display Board

EDIS supports large displays that act as electronic whiteboards to help track patients through their visits. These big-board displays are usually large plasma or liquid crystal display (LCD) monitors. You should place these display boards carefully, with consideration for the type of information each board is configured to display. Take care to place your boards so that confidential patient data isn't in view of people who are not authorized to see it.

Large display boards run in kiosk mode—a method of operation designed for Internet kiosks and other settings where limiting end-user interactions with applications is advisable. Kiosk mode locks down the user interface to protect applications from accidental or deliberate misuse.

To set up your big-board display, you will:

- Confirm software prerequisites
- Make hidden files and folders visible
- Configure the big-board's power, screensaver, and sound settings
- Add your local IRM security group to the machine's local Administrator group
- Add your machine to its own local Administrator group
- Configure auto login and auto-login lockdown for your big-board display
- Configure kiosk mode in VistA

Following are steps for setting up a large (big-board) display.

## 5.1. Confirm Software Prerequisites

The EDIS project team recommends using a machine that's running a fresh installation of the VA's gold image, which includes Adobe Flash Player and Internet Explorer (IE). Flash Player and IE must be running on the machine that you set up to run the big-board display.

*Note:* *You'll be connecting this machine to the VHAMASTER domain instead of your VISN domain.*

## 5.2. Make Hidden Files and Folders Visible

Before you set up your site's big-board display to run in kiosk mode, you'll need to configure the machine's power, sound, and screensaver settings. As a first step, please make sure your system's hidden files and folders are visible.

Go to C:\Documents and Settings. If you can see the Default User folder, skip to Section 1.3. If you cannot see this folder, please take the following steps:

1. Double-click the **My Computer** icon on your machine's desktop.
2. Double-click **Local Disc (C:)** under the **Hard Disk Drives** heading.
3. Click **Tools** on the main menu.
4. Select **Folder Options** on the **Tools** menu. Windows displays the **Folder Options** dialog box.
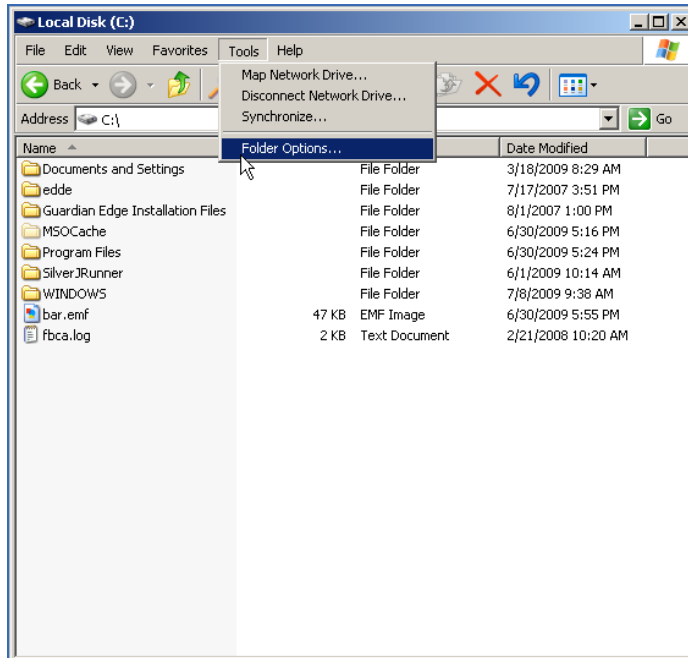
**Figure 9: The Tools menu.**

5. Select the dialog's **View** tab.
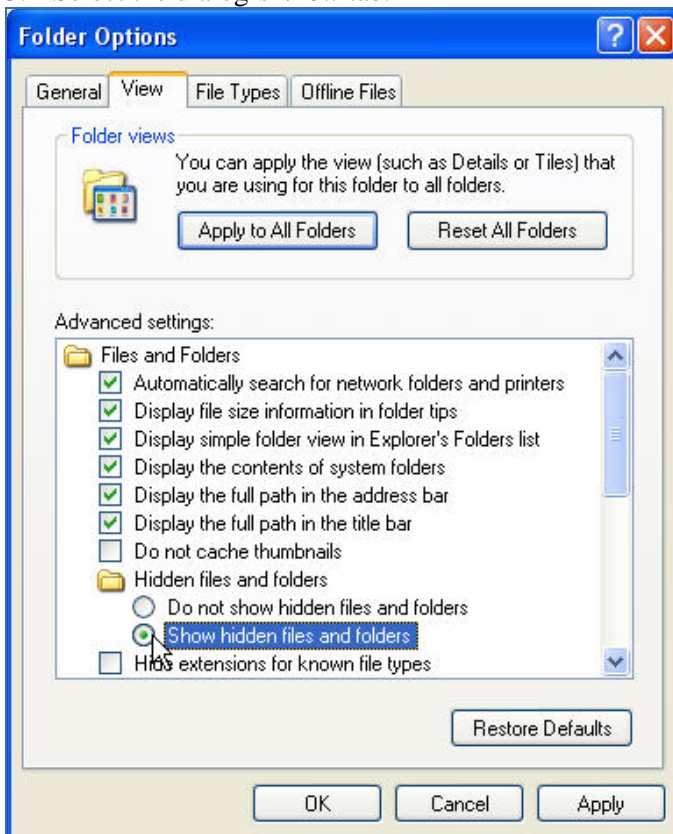


**Figure 10: The Folder Options dialog box.**

6. Click the **Hidden files and folders** folder.
7. Select **Show hidden files and folders**.
8. Click **Apply to All Folders** in the **Folder Views** box.
9. Click **Apply.** Windows displays the **Folder views** dialog box, which asks if you want to set all of the folders on your computer to match the current folder's view settings.
10. Click **Yes.**
11. Click **OK.**

## 5.3.    Configure the Machine's Power, Sound, and Screensaver Settings

You'll need to create a new user account to set up restrictions for the system's power, sound, and screensaver settings. When you're finished, you'll copy the new user's profile to your Default User Profile folder, after which you can delete the new user's account if you want to.

Take the following steps on the machine that will power your site's big-board display:

1. Log in as a site or machine administrator. You must have local administrator rights to set the machine's power schema.
2. Right-click the **My Computer** icon on the machine's desktop and select **Manage.** Windows displays the **Computer Management** dialog box.
3. In the left-hand side of the pane, click to expand **Local Users and Groups** (under **System Tools.)**
4. Click to open the **Users** folder.
5. Click **Action** on the dialog box's main menu and select **New User.** The Windows system displays the **New User** dialog box.
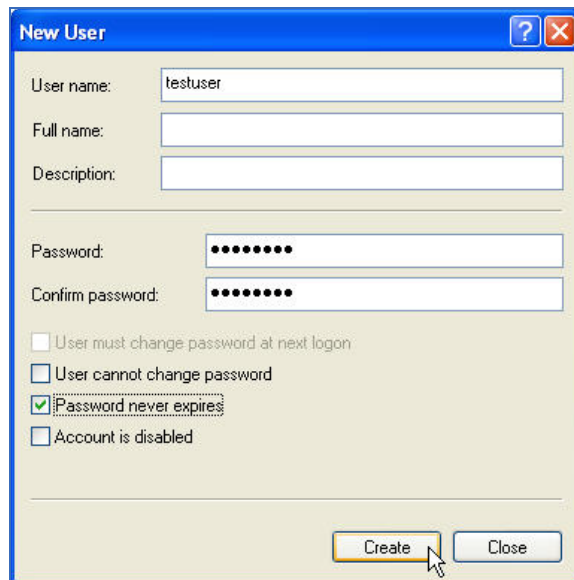
**Figure 11: The New User dialog box.**

6. Type *testuser* in the **User name** box.
7. Type a password for the testuser account in the **Password** box.
8. Type the same password in the **Confirm password** box.
9. Cancel the selection of the **User must change password at next logon** box.
10. Select the **Password Never Expires** box.
11. Click **Create**.
12. Click **Groups** in the left-hand pane.
13. Double-click **Administrators** in the right-hand pane.
14. Click **Add**. The Windows system displays the **Select Users, Computers, or Groups** dialog box.
15. Click **Object Types** and select the **Users** check box.
16. Click **Locations** and select the computer's name.
17. Click **OK**.
18. In the **Enter the object names to select (examples)** box, type *testuser*.
19. Click **OK.** *testuser* should appear in the **Members** list.
20. Click **Apply.**
21. Log off the current administrator account.
22. Log in using the newly created testuser account.

### 5.3.1. Change the Sound Control Setting to Mute

1. Click the **Volume** icon in the system tray.
2. Select the **Mute** check box.
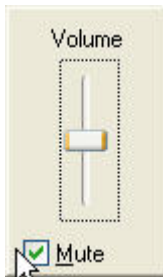


**Figure 12: The Windows volume control tool.**

### 5.3.2. Change Background and Screensaver Settings to None

Right-click anywhere on the Windows desktop and select **Properties**. Windows displays the **Display Properties** dialog box.

1. Select the **Desktop** tab.
2. In the **Background** selection box, select **(None).**
3. Click **Apply.**
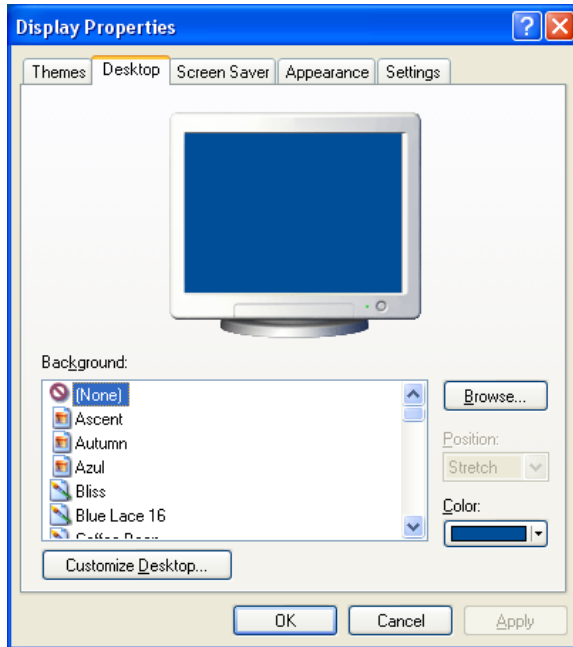
**Figure 13: The Display Properties dialog box, Desktop tab.**

4. Select the **Screen Saver** tab.
5. Select **(None)** in the **Screen Saver** drop-down list.
6. Click **Apply**.
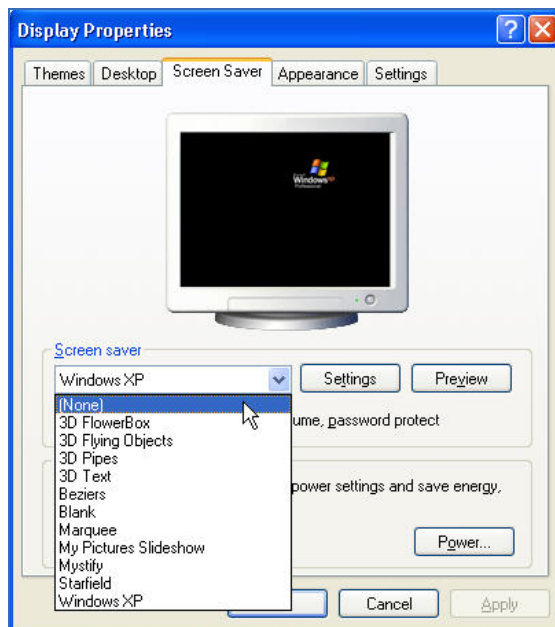


**Figure 14: The Display Properties dialog box, Screen Saver tab.**

7. Click the **Power** button in the **Monitor Power** box. Windows displays the **Power Options Properties** dialog box.
8. On the **Power Schemes** tab, expand the **Power** schemes drop-down list and select **Presentation**.

*Note:* *When you choose the **Presentation** scheme, please make sure that power settings in the **Settings for Presentation power scheme** box—**Turn off monitor**, **Turn off hard disks**, and **System standby**—are all set to Never under the **Plugged in** profile.*

9. Click **Apply**.
10. Click **OK**.
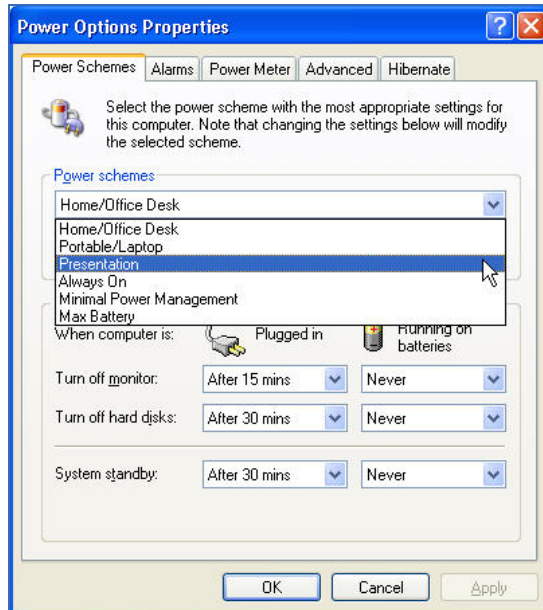


**Figure 15: The Power Options Properties dialog box.**

11. In the **Display Properties** dialog box, select the **Settings** tab.
12. Select the best screen resolution for your monitor.

*Note:* *Please make note of the screen resolution you select. You will need this information when you configure big-board display options in VistA. (Please see "Add a Display Board Size" in the EDIS installation guide for instructions on how to add a display-board size using the EDPF SCREEN SIZES parameter. For instructions on how to configure a display board's screen size via the application's **Configure** view, see the EDIS user guide's "Add a New Display Board" section.)*

13. Click **Apply.**
14. Click **OK.**

### 5.3.3. Copy the Testuser Profile Account into the Default User Account

1. Log off the testuser account and log in to the local administrator account.
2. Right-click on the **My Computer** icon and select **Properties**. Windows displays the **System Properties** dialog box.
3. Select the **Advanced** tab.
4. Click the **Settings** button in the **User Profiles** box.
5. Select the testuser profile and click the **Copy To** button. Windows displays the **Copy To** dialog box.
6. Click **Browse** and browse to the C:\Documents and Settings\Default User folder.
7. Click **OK**.

8. In the **Permitted to Use and Change** box, click **Change.** The Windows system displays the **Select User or Group** dialog box. In the **Enter the object name to select** box, type *Everyone* and click **OK.**
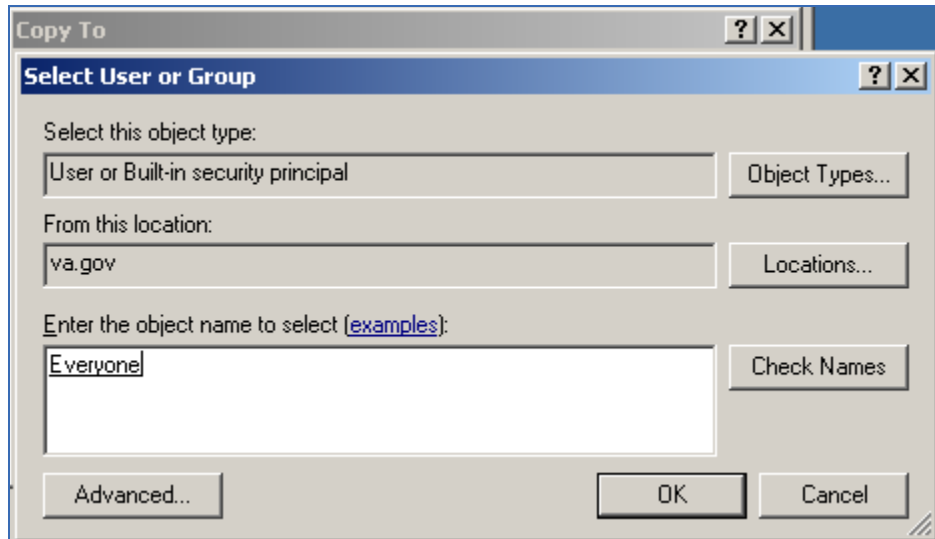


**Figure 16: The Select User or Group dialog box.**
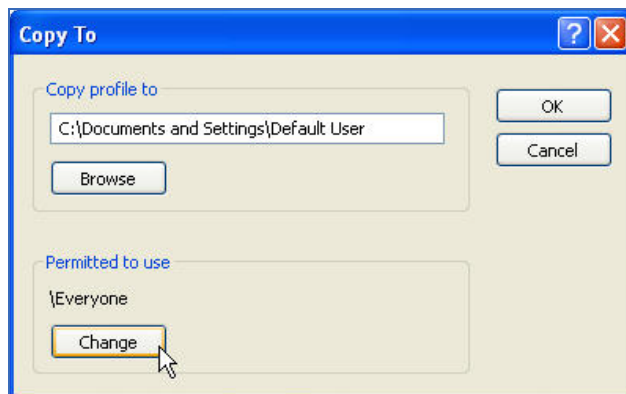


**Figure 17: The Copy To dialog box.**

9. In the **Copy To** dialog box, click **OK**. Windows displays the **Confirm Copy** dialog box.
10. Click **Yes**.
11. Click **OK**.

## 5.4. Add Your Local IRM Security Group to the Machine's Local Administrator Group.

You must add your local IRM security group to your computer's Administrator group so that your local IRM staff can support the machine should something—a video card, for example— go awry.

1. Right-click on the **My Computer** icon and select **Manage**. Windows displays the **Computer Management** dialog box.
2. In the left-hand pane, expand **Local Users and Groups.**
3. Select the **Groups** folder. Windows displays a list of the local machine's groups in the right-hand pane.
4. Double-click the **Administrators** group. Windows displays the **Administrators Properties** dialog box.
5. Click the **Add** button.
6. In the **Enter the object names to select** box, type VHAMASTER\[*YOURIRMSECURITYGROUPNAME*].
7. Click **OK**.

## 5.5.  Add the Machine to Its Own Local Administrator Group

You must add the display board to your computer's **Administrator** group so that it will have access to the private keystores that EDIS uses for two-way Secure Sockets Layer (SSL) encryption. A group policy will ensure that the display board remains locked down.

1. Right-click on the **My Computer** icon and select **Manage**. Windows displays the **Computer Management** dialog box.
2. In the left-hand pane, expand **Local Users and Groups.**
3. Select the **Groups** folder. Windows displays a list of the local machine's groups in the right-hand pane.
4. Double-click the Administrators group. Windows displays the **Administrators Properties** dialog box.
5. Click the **Add** button.
6. In the **Enter the object names to select** box, type VHAMASTER\VHAISLEDISBIGBOARD.
7. Click **OK**.

## 5.6.  Configure Auto Login and Auto Login Lockdown

On the computer that will power your big-board display:

1. Create a folder named *Vista* under the Program Files directory.
2. Create another folder (within the Vista folder) named *EDP*. The resulting directory path should look *exactly* like this: C:\Program Files\Vista\EDP.
3. If you haven't already done this, retrieve the EDP_1_0.zip file from an OFIO ANONYMOUS SOFTWARE directory. (See section 2.22, "Retrieve the EDP1_0.KID File and EDP_1_0.ZIP File.")
4. Extract the contents of EDP_1_0.zip to a folder on your machine's desktop. This folder will contain the following two files: Launch_EDIS.exe and edisautologon.reg.
5. Copy Launch_EDIS.exe to the EDP folder you created (C:\Program Files\Vista\EDP). The resulting directory path should look *exactly* like this: C:\Program Files\Vista\EDP\Launch_EDIS.exe.
6. Double-click the edisautologon.reg file; this saves the registry settings that provide credentials for the EDIS auto-logon process to the machine's registry files.
7. Reboot the computer.
8. Confirm that auto logon is working properly (the computer should automatically log in at this point).

## 5.7. Contact the VA National Helpdesk at 888.596.4357 or Create a Remedy Ticket

If you call the helpdesk, please tell the person who answers your call that you are making a display-board setup request. If you create a Remedy ticket, select the *Display Board Setup Request* option.

You will need to provide the fully qualified domain name of the workstation that will power the EDIS display (isl-testedis.vha.med.va.gov, for example). You must also provide the machine's administrator account name—this is the name under which you intend to join the machine to EDIS lockdown security and EDIS auto-start groups. The helpdesk will add your machine's name to the EDIS LockdownSecurity Group and will add your machine's administrator account to the EDIS auto-start group.

*Note:* *Please wait to receive notification from EDIS helpdesk support that it has added your machine to the VHAMASTER domain.*

## 5.8. Wait until the VA National Helpdesk Calls or Sends an Email Message to Notify You that it has Completed Your Requests.

After you receive notification that the helpdesk has completed your requests, open a new Remedy ticket asking your local IRM to add the machine to the VHAMASTER domain (vha.med.va.gov). The machine will automatically join the computer account that the helpdesk created in the proper OU.

The directory service will automatically push the EDIS Group Policy Objects (GPOs) and a SSL certificate to your machine. Please follow the instructions in section 5.9 while this push is occurring. After you complete the steps in section 5.9, you will need to log out and then immediately log back in to confirm that kiosk mode is working properly. If your machine has received the GPOs and the SSL certificate, it will automatically launch the big board. Otherwise, it will provide a relevant error message.

If kiosk mode is working properly, you may now delete the testuser account you created earlier in the process.

## 5.9. Configure Kiosk Mode in VistA

You must complete the following task in your VistA system before the EDIS display board can run in kiosk mode. You can perform this task while you are waiting for your machine to receive the GPOs that will run your big-board display.

Background

When the EDIS Web server receives a service request from a computer that claims to be a kiosk, the Web server requests a certificate from the requesting computer. The server uses this certificate to get the name of the computer and then does an additional check with the local VistA system to make sure the computer name is in the list of computer names that are authorized to run the kiosk.

To set up the list of authorized kiosk computer names on the VistA system:

- You must possess the EDPF KIOSKS security key; this key allows you to set up kiosks on the VistA system

- You must know the *fully qualified name* of the computer that will be running the kiosk; this name will look something like this: isl-testedis.***vha***.med.va.gov (please note that machine names now use the *.vha.med.va.gov* extension)

To add computer names to the list:

1. Use the EDPF BIGBOARD KIOSKS option to set up the kiosk. At the **Select OPTION NAME** prompt, type *EDPF BIGBOARD KIOSKS.*
2. At the **Select INSTITUTION NAME** prompt, type your institution's number.
3. At the **Select action** prompt, type *Add.*
4. At the **Computer Name** prompt, type the fully qualified name of the computer.
5. At the **Display Board** prompt, type the display board's name.

An example:

```
Select OPTION NAME: EDPF BIGBOARD KIOSKS       Display Board Kiosks
Select INSTITUTION NAME: SLC-DEV
```

```
EDPF BIGBOARD KIOSKS            Jun 13, 2009@01:04:29        Page:     0 of     0
Division: SLC-FO EDIS DEV (960)

   Computer Name                           Display Board














         Enter ?? for more actions
      Add                      Change                  Select Division
      Remove                                           Quit
Select action: █
```

**Figure 18: The Select action prompt.**

**Figure 19: The Computer Name prompt.**
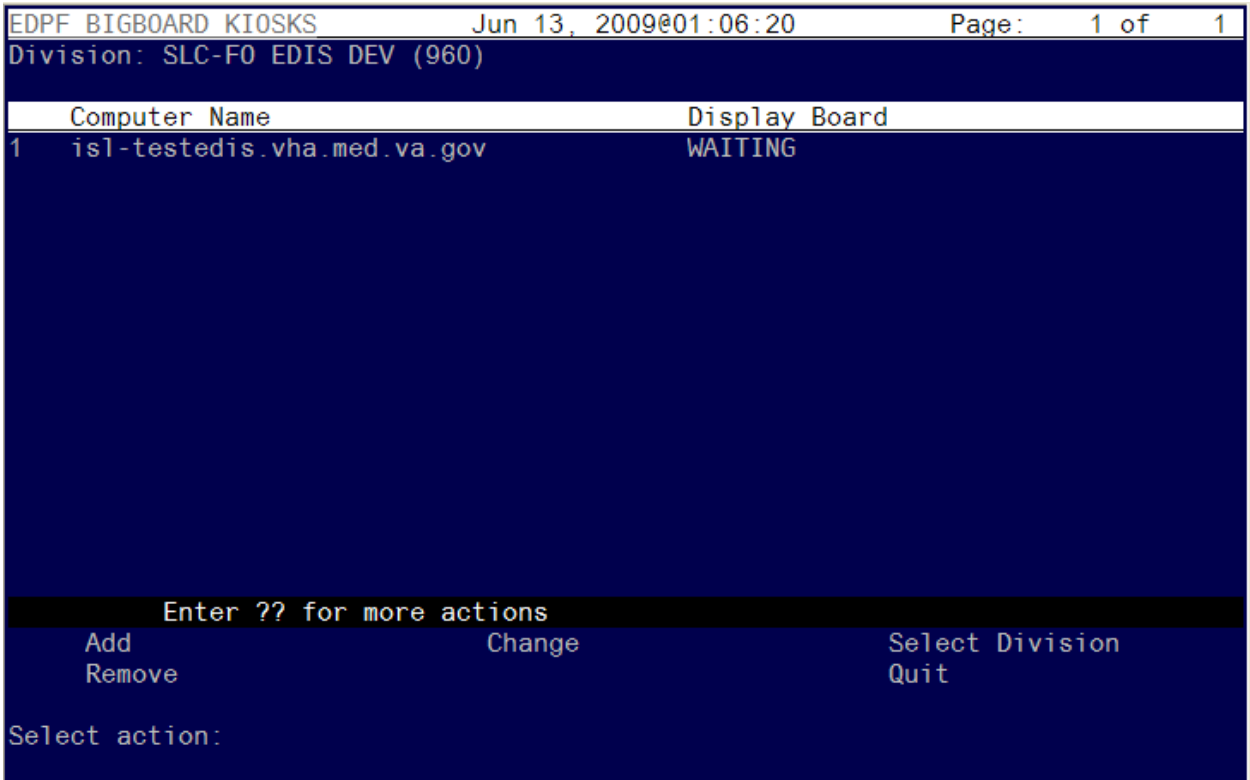


**Figure 200: The Select action prompt.**

You may use the other options to change and remove kiosks. It is important that the display board name match exactly the display board name that is configured in EDIS. Display-board names are case sensitive.

### 5.9.1. Add a Display Board Size

The EDIS **Configure** view allows you to select the optimal screen size for your site's electronic whiteboard display. For instructions on how to configure display sizes, see section 4.6 "Configure a Display Board Size."

For instructions on how to configure a display board's screen size via the application's **Configure** view, see the EDIS user guide's "Add a New Display Board" section.

## 5.10. Confirm your settings

Reboot the computer and check to make sure:

- The EDIS big-board user auto logon is successful
- The certificate script runs successfully
- The big-board screen kiosk mode executes properly

### 5.10.1. If Necessary: Log in to the Kiosk as an Administrator

If you find it necessary to stop the auto logon process and log in to the machine as an administrator:

1. Simultaneously press the <**Ctrl**>, <**Alt**>, and <**Delete**> keys while the big board kiosk screen is running.
2. Click the Logoff button to log off the EDIS big-board user.
3. When you see the VA security banner, do not click on the OK button. Instead, hold down the <**Shift**> key and press the <**Enter**> key. This will bring up the Windows login dialog box.
4. Use this dialog box to log in to the machine as an administrator

You can also stop the auto logon process when the VA Security banner screen appears. Instead of clicking OK, simultaneously press the <**Shift**> and <**Enter**> keys. This will stop the auto logon process and allow you to log in as an administrator.

# Appendix A—Flash Player Installation

Go to http://www.adobe.com/go/getflashplayer and click download.
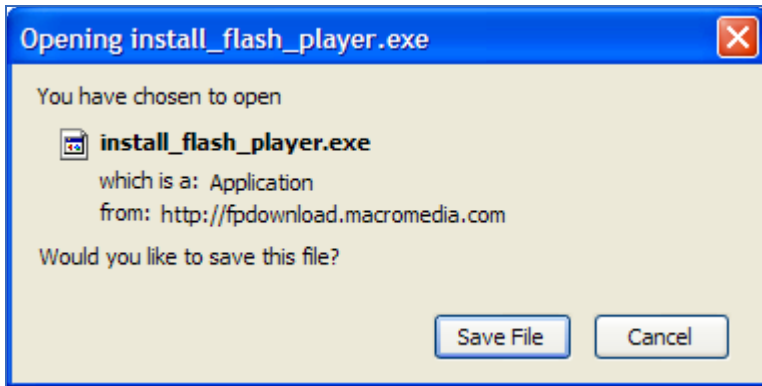
**Figure 21: Install Flash Player box**

Double-click the downloaded installer.



**Figure 22: Install Flash Player desktop icon.**

If browser windows are still open, close them and click **Try Again**.
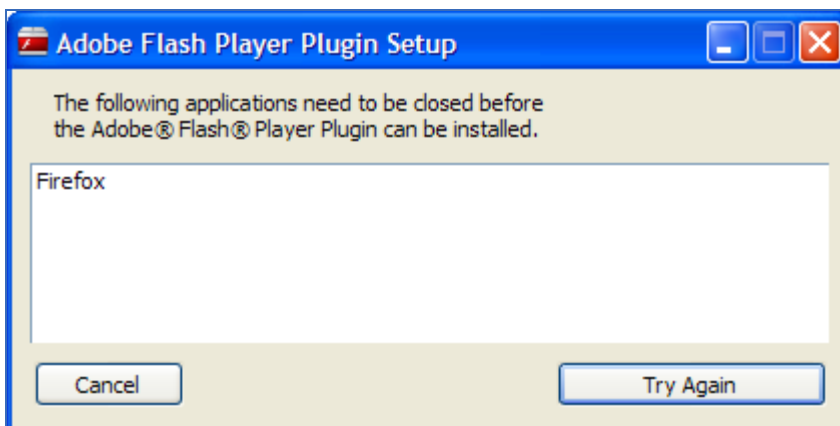


**Figure 23: The Flash Player Plugin Setup dialog box.**

The install should complete in a few seconds.
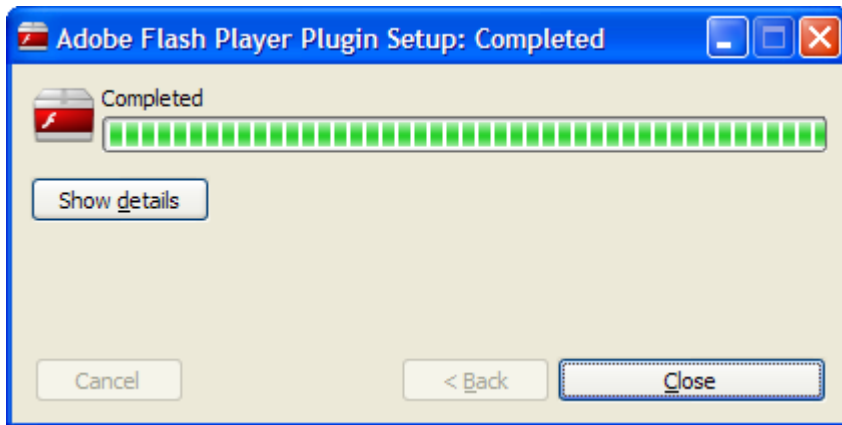
**Figure 24: The Completed dialog box.**

Afterward click **Close.** Flash Player is now installed.

# Appendix B—Host File Installation

Following is an example of the EDIS host file (KIDS) installation:

```
226 LIST Directory transfer complete.
57018 bytes received in 00:00:01.64 seconds (33.79 Kbytes/s)
FTP> SET DEF VA5$:[CPRSTEST.EDIS]
250-CWD command successful.
250 New default directory is VA5$:[CPRSTEST.EDIS]
FTP> DIR EDP1*
200 PORT command successful.
150 Opening data connection for EDP1* (10.4.230.251,52897)

Directory VA5$:[CPRSTEST.EDIS]

EDP1_0.KID;1        948/981        25-AUG-2010 10:18:46  [CPRSTEST]
    (RWED,RWED,RE,R)

Total of 1 file, 948/981 blocks

226 LIST Directory transfer complete.
172 bytes received in 00:00:00.00 seconds (18.66 Kbytes/s)
FTP> GET EDP1_0.KID
200 TYPE set to IMAGE.
200 PORT command successful.
150 Opening data connection for VA5$:[CPRSTEST.EDIS]EDP1_0.KID;1 (10.4.230.25
1,52929) (484914 bytes)
226 Transfer complete.
local: _$1$DGA719:[CLE13.ROU]EDP1_0.KID;1  remote: EDP1_0.KID
484914 bytes received in 00:00:00.71 seconds (664.17 Kbytes/s)
FTP> EXIT
221 Goodbye.
$ LO
  Process CLE13_678 logged out at 25-AUG-2010 14:38:55.59
ISRA08:CLE13>d ^XUP

Setting up programmer environment
This is a TEST account.

Terminal Type set to: C-VT320

You have 201 new messages.
Select OPTION NAME: XPD MAIN        Kernel Installation & Distribution System


        Edits and Distribution ...
        Utilities ...
        Installation ...
        Patch Monitor Main Menu ...


You have PENDING ALERTS
        Enter  "VA to jump to VIEW ALERTS option

Select Kernel Installation & Distribution System Option: INSTALLATION


   1       Load a Distribution
   2       Verify Checksums in Transport Global
   3       Print Transport Global
   4       Compare Transport Global to Current System
```

```
    5       Backup a Transport Global
    6       Install Package(s)
            Restart Install of Package(s)
            Unload a Distribution


You have PENDING ALERTS
          Enter  "VA to jump to VIEW ALERTS option

Select Installation Option: 1  Load a Distribution
Enter a Host File: _$1$DGA719:[CLE13.ROU]EDP1_O.KID

KIDS Distribution saved on Aug 24, 2010@14:39:19
Comment: EMERGENCY DEPARTMENT 1.0 BUILD

This Distribution contains Transport Globals for the following Package(s):
Build EMERGENCY DEPARTMENT 1.0 has been loaded before, here is when:
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Feb 21, 2008@18:15:30
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Mar 06, 2008@11:49:57
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Mar 06, 2008@18:00:47
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Mar 24, 2008@14:12:05
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Mar 26, 2008@17:11:27
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Apr 03, 2008@13:55:01
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Apr 10, 2008@13:20:10
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Apr 17, 2008@13:47:26
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Apr 17, 2008@15:55:56
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Apr 24, 2008@15:04:07
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on May 01, 2008@15:40
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on May 08, 2008@10:48:12
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on May 22, 2008@16:57:21
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on May 29, 2008@14:09:17
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Jun 09, 2008@15:37:26
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Jun 12, 2008@14:19:54
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Jul 29, 2008@13:45:30
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Aug 26, 2008@18:53:44
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Sep 25, 2008@11:26:08
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Oct 06, 2008@16:12:48
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Oct 20, 2008@19:38:11
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Nov 19, 2008@18:40:50
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Dec 23, 2008@18:13:25
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Jan 13, 2009@19:18:16
      EMERGENCY DEPARTMENT 1.0    Install Completed
                                  was loaded on Feb 04, 2009@11:45:50
```

```
         EMERGENCY DEPARTMENT 1.0    Install Completed
                                     was loaded on Jun 03, 2009@18:15:19
         EMERGENCY DEPARTMENT 1.0    Install Completed
                                     was loaded on Sep 16, 2009@13:41:51
         EMERGENCY DEPARTMENT 1.0    Install Completed
                                     was loaded on Dec 07, 2009@16:20:36
OK to continue with Load? NO// YES

Distribution OK!

Want to Continue with Load? YES// YES
Loading Distribution...

    EMERGENCY DEPARTMENT 1.0
Use INSTALL NAME: EMERGENCY DEPARTMENT 1.0 to install this Distribution.




    1       Load a Distribution
    2       Verify Checksums in Transport Global
    3       Print Transport Global
    4       Compare Transport Global to Current System
    5       Backup a Transport Global
    6       Install Package(s)
            Restart Install of Package(s)
            Unload a Distribution


You have PENDING ALERTS
         Enter  "VA to jump to VIEW ALERTS option

Select Installation Option: 2  Verify Checksums in Transport Global
Select INSTALL NAME:    EMERGENCY DEPARTMENT 1.0    Loaded from Distribution  8
/25/10@14:39:53
     => EMERGENCY DEPARTMENT 1.0 BUILD  ;Created on Aug 24, 2010@14:39:19

This Distribution was loaded on Aug 25, 2010@14:39:53 with header of
   EMERGENCY DEPARTMENT 1.0 BUILD  ;Created on Aug 24, 2010@14:39:19
   It consisted of the following Install(s):
EMERGENCY DEPARTMENT 1.0

Want each Routine Listed with Checksums: Yes//   YES
DEVICE: HOME//   HOME

PACKAGE: EMERGENCY DEPARTMENT 1.0    Aug 25, 2010 2:40 pm          PAGE 1
-------------------------------------------------------------------------------


EDPBCF     Calculated     25096927
EDPBCM     Calculated     17076528
EDPBDL     Calculated     11063047
EDPBKS     Calculated     15371728
EDPBLK     Calculated      7330093
EDPBPM     Calculated      6216911
EDPBRM     Calculated     24385375
EDPBRS     Calculated     19077772
EDPBSL     Calculated     20029785
EDPBST     Calculated      8664749
EDPCBRD    Calculated      4350223
EDPCDBG    Calculated      4038807
EDPCONV    Calculated     47887788
EDPCONV1   Calculated     10237522
EDPCSV     Calculated       906612
EDPCTRL    Calculated     33410398

PACKAGE: EMERGENCY DEPARTMENT 1.0    Aug 25, 2010 2:40 pm          PAGE 2
-------------------------------------------------------------------------------
```

```
EDPDD      Calculated    1560959
EDPFAA     Calculated    5372812
EDPFLEX    Calculated    1745474
EDPFMON    Calculated   27211876
EDPFMOVE   Calculated   43728958
EDPFPER    Calculated    3427509
EDPFPTC    Calculated   14885802
EDPFPTL    Calculated    4915038
EDPLOG     Calculated   42149061
EDPLOG1    Calculated    2583250
EDPLOGA    Calculated   10789313
EDPLOGH    Calculated    9457380
EDPLPCE    Calculated   32802123
EDPMAIL    Calculated    7335309
EDPQAR     Calculated    6639632
EDPQDB     Calculated   37231235
EDPQDBS    Calculated    3113182


PACKAGE: EMERGENCY DEPARTMENT 1.0    Aug 25, 2010 2:40 pm       PAGE 3
-------------------------------------------------------------------------------


EDPQLE     Calculated   40300302
EDPQLE1    Calculated    9736825
EDPQLP     Calculated   12368052
EDPQPCE    Calculated    2442064
EDPRPT     Calculated   17619722
EDPRPT1    Calculated   33605254
EDPRPT10   Calculated   19172294
EDPRPT11   Calculated    8054102
EDPRPT12   Calculated    7797789
EDPRPT2    Calculated   15843773
EDPRPT3    Calculated    8721424
EDPRPT4    Calculated   24084771
EDPRPT5    Calculated   35383693
EDPRPT6    Calculated    9613057
EDPRPT7    Calculated   19582712
EDPRPT7C   Calculated   19611509
EDPRPT8    Calculated   14454195


PACKAGE: EMERGENCY DEPARTMENT 1.0    Aug 25, 2010 2:40 pm       PAGE 4
-------------------------------------------------------------------------------


EDPRPT9    Calculated    1592058
EDPRPTBV   Calculated   21129991
EDPX       Calculated    9797287
EDPYPRE    Calculated    8226400
EDPYPST    Calculated   35872203


   55 Routines checked, 0 failed.



   1      Load a Distribution
   2      Verify Checksums in Transport Global
   3      Print Transport Global
   4      Compare Transport Global to Current System
   5      Backup a Transport Global
   6      Install Package(s)
          Restart Install of Package(s)
          Unload a Distribution


You have PENDING ALERTS
          Enter  "VA to jump to VIEW ALERTS option

Select Installation Option: 3  Print Transport Global
```

```
Select INSTALL NAME:   EMERGENCY DEPARTMENT 1.0    Loaded from Distribution  8
/25/10@14:39:53
    => EMERGENCY DEPARTMENT 1.0 BUILD  ;Created on Aug 24, 2010@14:39:19

This Distribution was loaded on Aug 25, 2010@14:39:53 with header of
   EMERGENCY DEPARTMENT 1.0 BUILD  ;Created on Aug 24, 2010@14:39:19
   It consisted of the following Install(s):
EMERGENCY DEPARTMENT 1.0

    Select one of the following:

        1           Print Summary
        2           Print Summary and Routines
        3           Print Routines

What to Print: 1  Print Summary
DEVICE: HOME//   HOME
PACKAGE: EMERGENCY DEPARTMENT 1.0    Aug 25, 2010 2:40 pm          PAGE 1
--------------------------------------------------------------------------------
TYPE: SINGLE PACKAGE                            TRACK NATIONALLY: YES
NATIONAL PACKAGE: EMERGENCY DEPARTMENT          ALPHA/BETA TESTING: NO

DESCRIPTION:
This is the initial installation of the Emergency Department Information
System (EDIS).  This is the module that handles tracking of a patient
through an emergency department visit.  The user interface for this
application is a web application.

ENVIRONMENT CHECK:                          DELETE ENV ROUTINE:
 PRE-INIT ROUTINE: EDPYPRE                   DELETE PRE-INIT ROUTINE: No
POST-INIT ROUTINE: EDPYPST                   DELETE POST-INIT ROUTINE: No
PRE-TRANSPORT RTN:

                                   UP   SEND  DATA                  USER
                                   DATE SEC.  COMES   SITE  RSLV  OVER
FILE #     FILE NAME               DD   CODE  W/FILE  DATA  PTRS  RIDE
--------------------------------------------------------------------------------

230      ED LOG                    YES  YES   NO
PACKAGE: EMERGENCY DEPARTMENT 1.0    Aug 25, 2010 2:40 pm          PAGE 2

                                   UP   SEND  DATA                  USER
                                   DATE SEC.  COMES   SITE  RSLV  OVER
FILE #     FILE NAME               DD   CODE  W/FILE  DATA  PTRS  RIDE
--------------------------------------------------------------------------------

230.1    ED LOG HISTORY            YES  YES   NO

231.7    TRACKING STAFF            YES  YES   NO

231.8    TRACKING ROOM-BED         YES  YES   NO

231.9    TRACKING AREA             YES  YES   NO

233.1    TRACKING CODE             YES  YES   YES     REPL  YES   NO
  DATA SCREEN: I $E(^(0),1,4)="edp."

233.2    TRACKING CODE SET         YES  YES   YES     REPL  YES   NO
  DATA SCREEN: I $E(^(0),1,4)="edp."

ROUTINE:                          ACTION:
  EDPBCF                            SEND TO SITE
PACKAGE: EMERGENCY DEPARTMENT 1.0    Aug 25, 2010 2:40 pm          PAGE 3
--------------------------------------------------------------------------------
  EDPBCM                            SEND TO SITE
  EDPBDL                            SEND TO SITE
  EDPBKS                            SEND TO SITE
```

```
   EDPBLK                                     SEND TO SITE
   EDPBPM                                     SEND TO SITE
   EDPBRM                                     SEND TO SITE
   EDPBRS                                     SEND TO SITE
   EDPBSL                                     SEND TO SITE
   EDPBST                                     SEND TO SITE
   EDPCBRD                                    SEND TO SITE
   EDPCDBG                                    SEND TO SITE
   EDPCONV                                    SEND TO SITE
   EDPCONV1                                   SEND TO SITE
   EDPCSV                                     SEND TO SITE
   EDPCTRL                                    SEND TO SITE
   EDPDD                                      SEND TO SITE
   EDPFAA                                     SEND TO SITE
   EDPFLEX                                    SEND TO SITE
   EDPFMON                                    SEND TO SITE
   EDPFMOVE                                   SEND TO SITE
   EDPFPER                                    SEND TO SITE
```
--------------------------------------------------------------------------------
```
   EDPFPTC                                    SEND TO SITE
   EDPFPTL                                    SEND TO SITE
   EDPLOG                                     SEND TO SITE
   EDPLOG1                                    SEND TO SITE
   EDPLOGA                                    SEND TO SITE
   EDPLOGH                                    SEND TO SITE
   EDPLPCE                                    SEND TO SITE
   EDPMAIL                                    SEND TO SITE
   EDPQAR                                     SEND TO SITE
   EDPQDB                                     SEND TO SITE
   EDPQDBS                                    SEND TO SITE
   EDPQLE                                     SEND TO SITE
   EDPQLE1                                    SEND TO SITE
   EDPQLP                                     SEND TO SITE
   EDPQPCE                                    SEND TO SITE
   EDPRPT                                     SEND TO SITE
   EDPRPT1                                    SEND TO SITE
   EDPRPT10                                   SEND TO SITE
   EDPRPT11                                   SEND TO SITE
   EDPRPT12                                   SEND TO SITE
   EDPRPT2                                    SEND TO SITE
```
--------------------------------------------------------------------------------
```
   EDPRPT3                                    SEND TO SITE
   EDPRPT4                                    SEND TO SITE
   EDPRPT5                                    SEND TO SITE
   EDPRPT6                                    SEND TO SITE
   EDPRPT7                                    SEND TO SITE
   EDPRPT7C                                   SEND TO SITE
   EDPRPT8                                    SEND TO SITE
   EDPRPT9                                    SEND TO SITE
   EDPRPTBV                                   SEND TO SITE
   EDPX                                       SEND TO SITE

OPTION:                                ACTION:
   EDP CONVERSION                            SEND TO SITE
   EDPF BIGBOARD KIOSKS                      SEND TO SITE
   EDPF TRACKING MENU ALL                    SEND TO SITE
   EDPF TRACKING MENU CLINICIAN              SEND TO SITE
   EDPF TRACKING MENU SIGNIN                 SEND TO SITE
   EDPF TRACKING MENU TRIAGE                 SEND TO SITE
   EDPF TRACKING SYSTEM                      SEND TO SITE
   EDPF TRACKING VIEW BOARD                  SEND TO SITE
   EDPF TRACKING VIEW CONFIGURE              SEND TO SITE
```
--------------------------------------------------------------------------------
```
   EDPF TRACKING VIEW DISPOSITION            SEND TO SITE
```

```
   EDPF TRACKING VIEW EDIT CLOSED          SEND TO SITE
   EDPF TRACKING VIEW REPORTS              SEND TO SITE
   EDPF TRACKING VIEW SIGNIN               SEND TO SITE
   EDPF TRACKING VIEW STAFF                SEND TO SITE
   EDPF TRACKING VIEW TRIAGE               SEND TO SITE
   EDPF TRACKING VIEW UPDATE               SEND TO SITE
   EDPS BOARD CONTEXT                      SEND TO SITE

SECURITY KEY:                             ACTION:
   EDPF KIOSKS                             SEND TO SITE
   EDPR EXPORT                             SEND TO SITE
   EDPR PROVIDER                           SEND TO SITE
   EDPR XREF                               SEND TO SITE

PROTOCOL:                                 ACTION:
   EDP CHECK-IN                            SEND TO SITE
   EDP MONITOR                             SEND TO SITE
   EDP NEW PATIENT                         SEND TO SITE
   EDP OR MONITOR                          SEND TO SITE
   EDPF ADD BOARD                          SEND TO SITE
PACKAGE: EMERGENCY DEPARTMENT 1.0    Aug 25, 2010 2:40 pm           PAGE 7
--------------------------------------------------------------------------------
   EDPF BIGBOARD MENU                      SEND TO SITE
   EDPF BLANK 1                            SEND TO SITE
   EDPF BLANK 2                            SEND TO SITE
   EDPF BLANK 3                            SEND TO SITE
   EDPF CHANGE BOARD                       SEND TO SITE
   EDPF QUIT                               SEND TO SITE
   EDPF REMOVE BOARD                       SEND TO SITE
   EDPF SELECT DIVISION                    SEND TO SITE
   FH EVSEND OR                            USE AS LINK FOR MENU ITEMS
   GMRC EVSEND OR                          USE AS LINK FOR MENU ITEMS
   LR7O CH EVSEND OR                       USE AS LINK FOR MENU ITEMS
   OR EVSEND FH                            USE AS LINK FOR MENU ITEMS
   OR EVSEND GMRC                          USE AS LINK FOR MENU ITEMS
   OR EVSEND LRCH                          USE AS LINK FOR MENU ITEMS
   OR EVSEND ORG                           USE AS LINK FOR MENU ITEMS
   OR EVSEND PS                            USE AS LINK FOR MENU ITEMS
   OR EVSEND RA                            USE AS LINK FOR MENU ITEMS
   PS EVSEND OR                            USE AS LINK FOR MENU ITEMS
   RA EVSEND OR                            USE AS LINK FOR MENU ITEMS
   SDAM APPOINTMENT EVENTS                 USE AS LINK FOR MENU ITEMS
PACKAGE: EMERGENCY DEPARTMENT 1.0    Aug 25, 2010 2:40 pm           PAGE 8
--------------------------------------------------------------------------------

LIST TEMPLATE:                            ACTION:
   EDPF BIGBOARD KIOSKS                    SEND TO SITE

PARAMETER DEFINITION:                     ACTION:
   EDPF BIGBOARD KIOSKS                    SEND TO SITE
   EDPF DEBUG START TIME                   SEND TO SITE
   EDPF LOCATION                           SEND TO SITE
   EDPF NURSE STAFF SCREEN                 SEND TO SITE
   EDPF SCHEDULING TRIGGER                 SEND TO SITE
   EDPF SCREEN SIZES                       SEND TO SITE

REMOTE PROCEDURE:                         ACTION:
   EDPCBRD RPC                             SEND TO SITE
   EDPCTRL RPC                             SEND TO SITE
Press RETURN to continue:


   1       Load a Distribution
   2       Verify Checksums in Transport Global
   3       Print Transport Global
   4       Compare Transport Global to Current System
   5       Backup a Transport Global
```

```
    6       Install Package(s)
            Restart Install of Package(s)
            Unload a Distribution


You have PENDING ALERTS
          Enter  "VA to jump to VIEW ALERTS option

Select Installation Option: 4  Compare Transport Global to Current System
Select INSTALL NAME:    EMERGENCY DEPARTMENT 1.0    Loaded from Distribution  8
/25/10@14:39:53
      => EMERGENCY DEPARTMENT 1.0 BUILD  ;Created on Aug 24, 2010@14:39:19

This Distribution was loaded on Aug 25, 2010@14:39:53 with header of
    EMERGENCY DEPARTMENT 1.0 BUILD  ;Created on Aug 24, 2010@14:39:19
    It consisted of the following Install(s):
EMERGENCY DEPARTMENT 1.0

      Select one of the following:

          1             Full Comparison
          2             Second line of Routines only
          3             Routines only
          4             Old style Routine compare

Type of Compare: 1  Full Comparison
DEVICE: HOME//   HOME

Compare KIDS package EMERGENCY DEPARTMENT 1.0 to current site (Disk)
Site: TEST.CLEVELAND.MED.VA.GOV  UCI: CLE13,ROU  Aug 25, 2010@14:40:51
   KIDS                              Disk
--------------------------------------------------------------------------------

                          Routine: EDPBCF
  2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
   {0, 2009;Build 71}                      {0, 2009;Build 70}
                ^                                       ^

                          Routine: EDPBCM
  2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
   {0, 2009;Build 71}                      {0, 2009;Build 70}
                ^                                       ^

                          Routine: EDPBDL
  2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
   {0, 2009;Build 71}                      {0, 2009;Build 70}
                ^                                       ^

                          Routine: EDPBKS
  2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
   {0, 2009;Build 71}                      {0, 2009;Build 70}
                ^                                       ^

                          Routine: EDPBLK
  2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
   {0, 2009;Build 71}                      {0, 2009;Build 70}
                ^                                       ^

                          Routine: EDPBPM
  2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
   {0, 2009;Build 71}                      {0, 2009;Build 70}
                ^                                       ^

                          Routine: EDPBRM
  2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
   {0, 2009;Build 71}                      {0, 2009;Build 70}
                ^                                       ^
```

```
                                  Routine: EDPBRS
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPBSL
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPBST
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPCBRD
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPCDBG
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPCONV
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPCONV1
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPCSV
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPCTRL
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPDD
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPFAA
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPFLEX
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPFMON
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                   ^                                        ^

                                  Routine: EDPFMOVE
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2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPFPER
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPFPTC
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPFPTL
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPLOG
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPLOG1
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPLOGA
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPLOGH
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPLPCE
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPMAIL
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPQAR
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPQDB
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPQDBS
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
           ^                                         ^

                        Routine: EDPQLE
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}    2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                       {0, 2009;Build 70}
```

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                        ^                                      ^
                           Routine: EDPQLE1
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPQLP
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPQPCE
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT1
2{ ;;1.0;EMERGENCY DEPARTMENT;**1**;}   2{ ;;1.0;EMERGENCY DEPARTMENT;**1**;}
 {Sep 30, 2009;Build 71}                 {Sep 30, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT10
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT11
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT12
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT2
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT3
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT4
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT5
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^

                           Routine: EDPRPT6
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                        ^                                      ^
```

```
                            Routine: EDPRPT7
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                  ^                                        ^


                            Routine: EDPRPT7C
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                  ^                                        ^


                            Routine: EDPRPT8
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                  ^                                        ^


                            Routine: EDPRPT9
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                  ^                                        ^


                            Routine: EDPRPTBV
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                  ^                                        ^


                             Routine: EDPX
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                  ^                                        ^


                            Routine: EDPYPRE
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                  ^                                        ^


                            Routine: EDPYPST
2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}   2{ ;;1.0;EMERGENCY DEPARTMENT;;Sep 3}
 {0, 2009;Build 71}                      {0, 2009;Build 70}
                  ^                                        ^




--------------------------------------------------------------------------------
                     ENTRIES IN FILE #101 (PROTOCOL)
                        PROTOCOL: EDP MONITOR
TIMESTAMP: 61619,57148                  TIMESTAMP: 61702,58838
                        PROTOCOL: EDP CHECK-IN
TIMESTAMP: 61619,57148                  TIMESTAMP: 61702,58838
                        PROTOCOL: EDP OR MONITOR
TIMESTAMP: 61619,57148                  TIMESTAMP: 61702,58838
                        PROTOCOL: EDP NEW PATIENT
TIMESTAMP: 61619,57148                  TIMESTAMP: 61702,58838
                        PROTOCOL: EDPF ADD BOARD
TIMESTAMP: 61619,57148                  TIMESTAMP: 61702,58838
                        PROTOCOL: EDPF REMOVE BOARD
TIMESTAMP: 61619,57148                  TIMESTAMP: 61702,58838
                        PROTOCOL: EDPF CHANGE BOARD
TIMESTAMP: 61619,57148                  TIMESTAMP: 61702,58838
                        PROTOCOL: EDPF SELECT DIVISION
TIMESTAMP: 61619,57148                  TIMESTAMP: 61702,58838


                        PROTOCOL: EDPF BIGBOARD MENU
```

*ADD* ITEM Multiple: IBCE EXTR MENU

     *ADD* ITEM Multiple: IBCE EXTR PRINT

     *ADD* ITEM Multiple: IBCE EXTR CLON/AUTH

     *ADD* ITEM Multiple: IBCE RULE ACTIVE ONLY

     *ADD* ITEM Multiple: IBCEM CSA MULTI SELECT REVIEW

     *ADD* ITEM Multiple: IBCEM COB VEOB MENU

     *ADD* ITEM Multiple: IBCEM COB REVIEW STATUS

     *ADD* ITEM Multiple: IBCEM COB EOB
    TIMESTAMP: 61619,57148                    TIMESTAMP: 61702,58838
                              PROTOCOL: EDPF BLANK 1
    TIMESTAMP: 61619,57148                    TIMESTAMP: 61702,58838


                              PROTOCOL: EDPF BLANK 2
    TIMESTAMP: 61619,57148                    TIMESTAMP: 61702,58838
                              PROTOCOL: EDPF BLANK 3
    TIMESTAMP: 61619,57148                    TIMESTAMP: 61702,58838
                              PROTOCOL: EDPF QUIT
    TIMESTAMP: 61619,57148                    TIMESTAMP: 61702,58838




--------------------------------------------------------------------------------
                         ENTRIES IN FILE #19 (OPTION)
                         OPTION: EDPF TRACKING SYSTEM


     *ADD* RPC Multiple: EDPCTRL RPC

     *ADD* RPC Multiple: EDPCBRD RPC
                              OPTION: EDPS BOARD CONTEXT


     *ADD* RPC Multiple: EDPCBRD RPC




    1       Load a Distribution
    2       Verify Checksums in Transport Global
    3       Print Transport Global
    4       Compare Transport Global to Current System
    5       Backup a Transport Global
    6       Install Package(s)
            Restart Install of Package(s)
            Unload a Distribution

You have PENDING ALERTS
         Enter  "VA to jump to VIEW ALERTS option

Select Installation Option: 6  Install Package(s)
Select INSTALL NAME:   EMERGENCY DEPARTMENT 1.0    Loaded from Distribution  8
/25/10@14:39:53
     => EMERGENCY DEPARTMENT 1.0 BUILD  ;Created on Aug 24, 2010@14:39:19

This Distribution was loaded on Aug 25, 2010@14:39:53 with header of

```
   EMERGENCY DEPARTMENT 1.0 BUILD  ;Created on Aug 24, 2010@14:39:19
   It consisted of the following Install(s):
EMERGENCY DEPARTMENT 1.0
Checking Install for Package EMERGENCY DEPARTMENT 1.0

Install Questions for EMERGENCY DEPARTMENT 1.0

Incoming Files:


   230       ED LOG
Note:  You already have the 'ED LOG' File.


   230.1     ED LOG HISTORY
Note:  You already have the 'ED LOG HISTORY' File.


   231.7     TRACKING STAFF
Note:  You already have the 'TRACKING STAFF' File.


   231.8     TRACKING ROOM-BED
Note:  You already have the 'TRACKING ROOM-BED' File.


   231.9     TRACKING AREA
Note:  You already have the 'TRACKING AREA' File.


   233.1     TRACKING CODE  (including data)
Note:  You already have the 'TRACKING CODE' File.
I will REPLACE your data with mine.


   233.2     TRACKING CODE SET  (including data)
Note:  You already have the 'TRACKING CODE SET' File.
I will REPLACE your data with mine.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//


Want KIDS to INHIBIT LOGONs during the install? YES// NO
Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// NO

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME//   HOME
-----------------------------------------------------------------------------

 Install Started for EMERGENCY DEPARTMENT 1.0 :
             Aug 25, 2010@14:42:18

Build Distribution Date: Aug 24, 2010

 Installing Routines:
             Aug 25, 2010@14:42:19

 Running Pre-Install Routine: ^EDPYPRE

 Installing Data Dictionaries:
             Aug 25, 2010@14:42:19

 Installing Data:
             Aug 25, 2010@14:42:19
```

```
  Installing PACKAGE COMPONENTS:

  Installing SECURITY KEY

  Installing PROTOCOL

  Installing REMOTE PROCEDURE

  Installing LIST TEMPLATE

  Installing OPTION

  Installing PARAMETER DEFINITION
                Aug 25, 2010@14:42:20

  Running Post-Install Routine: ^EDPYPST

  Updating Routine file...

  Updating KIDS files...

  EMERGENCY DEPARTMENT 1.0 Installed.
                Aug 25, 2010@14:42:20

  Not a production UCI

  NO Install Message sent

  Call MENU rebuild

Starting Menu Rebuild:  Aug 25, 2010@14:42:22

Collecting primary menus in the New Person file...

                  Primary menus found in the New Person file
                  -----------------------------------------

OPTION NAME            MENU TEXT                    # OF      LAST      LAST
                                                    USERS     USED      BUILT


XMUSER                 MailMan Menu                 554       01/15/08  08/23/10
EVE                    Systems Manager Menu         176       08/25/10  08/23/10
SDMGR                  Scheduling Manager's Menu    10        12/08/04  08/23/10
SDAPP                  Appointment Menu             17        07/14/05  08/23/10
SDZUSER                Scheduling Menu              85        12/08/04  08/23/10
DG BED CONTROL         Bed Control Menu             4         12/08/04  08/23/10
DG REGISTRATION MENU   Registration Menu            13        08/26/05  08/23/10
DGMGR                  MAS MANAGER                  5         12/08/04  08/23/10
DGZADMIT               ADMITTING MENU               3         12/08/04  08/23/10
DGZELIG                ELIGIBILITY MENU             6         12/09/04  08/23/10
DGZBEDPATCO            PATIENT & BED CONTROL        23        12/08/04  08/23/10
DGZMAA                 MAA MENU                     1         12/06/04  08/23/10
DGZACSUPER             ACP SUPERVISOR MENU          3         12/08/04  08/23/10
PSO MANAGER            Outpatient Pharmacy Manager  1         12/08/04  08/23/10
PSO OUTPUTS            Output Reports               2         11/22/04  08/23/10
PSO USER2              Pharmacy Technician's Menu   26        10/28/09  08/23/10
DGZAPPTADM             ADMITTING AND APPOINTMENTS   7         12/08/04  08/23/10
LR OUT                 Results menu                 3         12/03/04  08/23/10
LRWARDM                Ward lab menu                1         12/08/04  08/23/10
DGZCODER               Coder Menu                   20        12/08/04  08/23/10
DGZCANTELIG            CANTON ELIG CL MENU          31        12/08/04  08/23/10
LRAP                   Anatomic pathology           1         12/08/04  08/23/10
LRZZSTDPROC            PROCESSING MENU              5         12/08/04  08/23/10
LRZZPROCWPV3           PHLEBOTOMY MENU              11        08/22/05  08/23/10
LRZZPROC&TECH          WP MENU OPTIONS              2         12/09/04  08/23/10
LRZZCHEMISTRY          CHEMISTRY & HEMATOLOGY MENUS 30        12/09/04  08/23/10
```

```
LRZZDRDORER        CUMULATIVE/FILEMAN OPTIONS   1      12/08/04   08/23/10
DGZMISINQ          PATIENT INFORMATION          28     12/08/04   08/23/10
TOP MANAGEMENT MENU Top Management Menu         2      12/07/04   08/23/10
TOP MANAGEMENT     Top Management               6      12/08/04   08/23/10
LRZZPATH           ANATOMIC PATHOLOGY& LAB R... 2      12/08/04   08/23/10
LRZZCANTON         LABORATORY OPTIONS           3      12/08/04   08/23/10
LRZZMICROBIOLOGY   MICROBIOLOGY                 7      12/08/04   08/23/10
LRZZMARGE          ACCESSIONING/DATA ENTRY/R... 1      12/08/04   08/23/10
DGZMEM             CLINIC REVIEW                1      12/08/04   08/23/10
LRZZCHEN           CHEMISTRY                    1      12/06/04   08/23/10
DGZFREXP           FILE ROOM MENU               15     12/08/04   08/23/10
SDUSER             Scheduling Menu              5      12/08/04   08/23/10
DGZDMU             Statistics Unit Menu         3      12/08/04   08/23/10
AFXSF              Sue Fuehrer's Menu           1      12/06/04   08/23/10
DGZOXYGEN          Home Oxygen                  1      12/08/04   08/23/10
DGZMGR             MAS MANAGER                  1      12/08/04   08/23/10
ZZQA               Quality Assurance            1      06/29/05   08/23/10
AFVTECH            IRM Technician's Menu        19     12/08/04   08/23/10
DGZMISBILL         BILLING CLERK MENU           1      12/07/04   08/23/10
DGZACSUPER/HINQ    AC SUPERVISOR MENU           12     12/08/04   08/23/10
DGZROSS            ROSS' MENU                   1      12/08/04   08/23/10
DENTMANAGER        Dental                       2      12/08/04   08/23/10
DENTUSER           Dental                       1      12/08/04   08/23/10
DENTZACTMANAGERII  Dental Activity              3      12/08/04   08/23/10
IBCN INSURANCE MGMT MENU
                   Patient Insurance Menu       15     12/08/04   08/23/10
PSJU MGR           Unit Dose Medications        2      12/08/04   08/23/10
AFVLW PS I-O PHARM MGR
                   I/O PHARMACY                 68     08/23/05   08/23/10
ORZ AFV LOCAL HEAD NURSE
                   Local Head Nurse Menu        36     12/08/04   08/23/10
AFVLW PS I-O PHAR TECH
                   I/O PHARMACY TECHNICIAN O... 14     12/09/04   08/23/10
ZZDOCTOR           Doctors Menu                 1050   08/24/10   08/23/10
YSUSER             Mental Health                11     12/08/04   08/23/10
DGZSWS             APPOINTMENT MENU             10     12/08/04   08/23/10
ZLWLIPID           Lipid Clinic                 1      12/08/04   08/23/10
SOWK               Information Management Sy... 6      12/08/04   08/23/10
ZIRM               IRM Staff                    6      12/08/04   08/23/10
DGZTRANSCRIPTION   TRANSCRIPTION UNIT MENU      6      12/08/04   08/23/10
RAZTECHMENU        Radiology Technologist Menu  38     12/09/04   08/23/10
RA OVERALL         Rad/Nuc Med Total System ... 15     12/08/04   08/23/10
RA CLERKMENU       Rad/Nuc Med Clerk Menu       1      04/03/06   08/23/10
RAZFILERM          Radiology Film Librarian ... 7      12/08/04   08/23/10
RAZCLERKMENU       Radiology Clerk Menu         9      12/08/04   08/23/10
DGZPATFM           PATIENT FUNDS MENU           1      12/08/04   08/23/10
ORZ AFV LOCAL STAFF NURSE
                   Local Staff Nurse Menu       996    08/04/10   08/23/10
QAC MAIN MENU      Patient Representative Ma... 2      12/08/04   08/23/10
AFV ESP POLICE USER MENU
                   Police User Menu             28     12/09/04   08/23/10
AFV ESP POLICE SUPERVISOR MENU
                   Police Supervisor Menu       10     12/09/04   08/23/10
DGZOPER            OPERATOR MENU                2      12/07/04   08/23/10
AFV ACOS/EDUCATION Education Plessey Files      1      12/08/04   08/23/10
AFV QM             Quality Management Files     1      12/07/04   08/23/10
PRCSCP OFFICIAL    Control Point Official's ... 2      12/08/04   08/23/10
PRCHUSER PA        Purchasing Agent             1                 08/23/10
PRCHUSER WHSE      Warehouse                    4      11/24/04   08/23/10
PRCFA ACCTG TECH   Accounting Technician Menu   1      10/20/04   08/23/10
PRCHPC PO          Purchase Orders Menu         1                 08/23/10
NURAED-MENU        Administration Records, E... 1      12/08/04   08/23/10
NURS-SYS-MGR       Nursing System Manager's ... 1      12/07/04   08/23/10
NURS-HN            Head Nurse's Menu            1      12/08/04   08/23/10
FHDIET             Clinical Dietetics           2      12/08/04   08/23/10
FHTECH             Clinical Dietetics           12     12/08/04   08/23/10
ENMGR              Engineering Main Menu        3      12/08/04   08/23/10
```

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ENSP                 Space/Facility Management   1          12/07/04   08/23/10
IB BILLING SUPERVISOR MENU
                     Billing Supervisor Menu     2          12/07/04   08/23/10
FHMGRA               Dietetic Administration     1          12/08/04   08/23/10
ENZAJL.BMET          Biomedical Technician Menu  9          12/08/04   08/23/10
ENZAJL.CSCHIEF       Construction Section Main... 2         12/08/04   08/23/10
ENZAJL.CSTECHS       Construction Tech's Menu     5         12/08/04   08/23/10
ENZAJL.AA            Engineering Administrativ... 3         12/08/04   08/23/10
ENZAJL.MRM           M&R Shop's Main Menu         1         12/08/04   08/23/10
YSUSER3              Mental Health - LPNs and NAs 1         12/08/04   08/23/10
DIZHLPRMN            PERSONNEL'S MAIN MENU       27         12/08/04   08/23/10
AFV LAB COORD        Laboratory Coordinator Menu  1         12/08/04   08/23/10
YSZMD                MENU FOR PSYCHIATRISTS AN... 7         12/08/04   08/23/10
AFXTF BLDGMGMT-INTDES
                     Interior Design Section      1         12/08/04   08/23/10
DGZMRM               MAIL CLERK MENU              1         01/15/08   08/23/10
LRZZPATHCLERK        PATHOLOGY CLERKS OPTION      1         12/08/04   08/23/10
LRZZPATHTECHS        LAB PATHOLOGY MENU           3         12/08/04   08/23/10
LRZZPATHOLOGIST      ANAT. PATH: PATHOLOGISTS     1         12/08/04   08/23/10
ABSV VOLUNTEER       Volunteer Master Menu        1         09/22/04   08/23/10
ABSV TIMEKEEPING MASTER
                     Volunteer Timekeeping Act... 4         12/08/04   08/23/10
PRCA CLERK MENU      Clerk's AR Menu              9         08/16/05   08/23/10
FBAA MAIN MENU       Fee Basis Main Menu         26         12/08/04   08/23/10
FHADM                Production Reports           3         12/07/04   08/23/10
RA TECHMENU          Rad/Nuc Med Technologist ... 1         12/08/04   08/23/10
RA SECRETARY         Rad/Nuc Med Secretary Menu   1         12/08/04   08/23/10
SROMENU              Surgery Menu                 7         12/08/04   08/23/10
MEDTRAN MAIN MENU    MedTran Main Menu            9         12/08/04   08/23/10
AFXINC INCOMPLETE    Incomplete Records Tracki... 2         12/08/04   08/23/10
DGZDGMGR             MAS MANAGER                  3         12/08/04   08/23/10
PRCHUSER COORDINATORIFCAP Application Coordin... 1          12/08/04   08/23/10
RTZ MAS-SUPER-MENU   MAS File Room Supervisor ... 2         12/08/04   08/23/10
RT MAS-FILE-CLERK-MENU
                     File Clerk Menu (MAS)        1                    08/23/10
ORZ DGZWARDCLERK     WARD CLERK MENU-OE/HS       67         12/09/04   08/23/10
DGZDVBAROI           A.M.I.E. ROI MENU            7         12/08/04   08/23/10
ENWOWARD             Electronic Work Requests    14         12/08/04   08/23/10
AFXE TF NXSECTION    NX Section Menu              1         12/08/04   08/23/10
AFVIRMSEC            IRM Administrative Suppor... 1         12/08/04   08/23/10
QAOS MAIN MENU       Occurrence Screen Manager... 3         12/08/04   08/23/10
FHZSUP               DIETETICS SUPERVISORY MENU   7         12/08/04   08/23/10
GMTS USER            Health Summary Menu         41         12/09/04   08/23/10
PRPF MASTER          Patient Funds (INTEGRATED... 4         12/08/04   08/23/10
IB OUTPUT MENU       Output IB Menu              20         05/19/10   08/23/10
IB MANAGER MENU      Integrated Billing Master... 1         12/08/04   08/23/10
RTZ MAS-FILE-CLERK-MENU
                     MAS FILE CLERK MENU         13         12/08/04   08/23/10
OR CLINICIAN         Clinician Menu               1         06/08/10   08/23/10
YSZADD1MEB26SEP91    PSYCHOLOGY SERVICE CLINIC...30         12/08/04   08/23/10
DGZROIM              ROI MENU                     2         12/08/04   08/23/10
OR MAIN MENU WARD CLERK
                     Ward Clerk Menu              4         12/07/04   08/23/10
ORZ MAIN MENU WARD CLERK
                     Ward Clerk Menu-OE/RR        4         12/08/04   08/23/10
DVBA C C&P MASTER MENU
                     Compensation and Pension ... 1         12/08/04   08/23/10
DVBA C MEDICAL ADMIN C&P MENU
                     Medical Administration C&... 1         09/02/04   08/23/10
PRSD 05 EMPLOYEE INQUIRY MENU
                     Employee Inquiry/Reports ...11         12/08/04   08/23/10
AFVHELP              IRM Help Desk Menu           2         12/08/04   08/23/10
AFV GAJ              STEVE GAJ'S PRIMARY MENU     1         12/08/04   08/23/10
RMPR OFFICIAL        Prosthetic Official's Menu   3         12/08/04   08/23/10
RMPR CLERK           Prosthetic Clerk's Menu     10         12/08/04   08/23/10
LRZZCOMBINE          ACCESS,PROCESS & REPORTS    10         12/08/04   08/23/10
AFVPZ PS STUDENT MENU
```

```
                     PHARMACY STUDENT MENU        13         12/08/04   08/23/10
ENZAJL.DORAN         DENNIS' MAIN MENU            1          12/07/04   08/23/10
ANRV VIST MENU       VIST Menu                    1          12/08/04   08/23/10
AFVENBOSS            Boss's Menu                  1          12/08/04   08/23/10
AFWEAC MENU          ANTICOAGULATION MENU         1          12/08/04   08/23/10
HBHC INFORMATION SYSTEM MENU
                     HBPC Information System Menu 1          07/14/04   08/23/10
AFVCOMTECH           Communications Tech Menu     3          12/08/04   08/23/10
PSO USER1            Pharmacist Menu              7          04/18/05   08/23/10
PRSA TK MENU         TimeKeeper Main Menu         8          12/09/04   08/23/10
PRSA EMP MENU        Employee Menu                305        09/15/09   08/23/10
PRSA SUP MENU        T&A Supervisor Menu          2          12/08/04   08/23/10
PRSA OT MENU         T&A OT/Supervisor Menu       1          12/07/04   08/23/10
AFXSSDOM MENU        Domiciliary Management       11         12/08/04   08/23/10
AFVDSINT INTER/DESIGN SUP/MENU
                     Interior Design Approving... 2          12/08/04   08/23/10
LBRY MAIN MENU AFVDSLibrary Menus                 1          12/06/04   08/23/10
MEDICATION PROFILE MENU
                     Medication Profile Menu -... 4          12/08/04   08/23/10
AFVCOS1              Chief of Staff's Menu        1          12/07/04   08/23/10
AFVDIRSTAFF          Director's Office Staff      3          12/08/04   08/23/10
AFX GENERIC MAS MENUGeneric MAS Menu             1          12/08/04   08/23/10
IBD MANUAL DATA ENTRY MENU
                     AICS Data Entry Menu         2          12/08/04   08/23/10
AFVLW ADPAC MAIL COORD MENU
                     Coordinator's Mail Group ... 1          12/08/04   08/23/10
LL EVE               System Manager Menu          1          12/08/04   08/23/10
AFXTF TROYSMENU      Troy's Menu                  1          12/08/04   08/23/10
PRCH PURCHASE CARD MENU
                     Purchase Card Menu           1          12/08/04   08/23/10
AFVPZ OP-UD-IV-AR/WS REPORTS
                     Pharmacy - All Mgmt Reports  1          12/08/04   08/23/10
PRCN NX PPM MENU     Equipment Request Menu (PPM) 2          12/08/04   08/23/10
ECXMGR               Extract Manager's Options    9          12/08/04   08/23/10
AFVCLAPHAM           Medicine Administrative A... 1          12/03/04   08/23/10
DGPRE PRE-REGISTER MENU
                     Preregistration Menu         10         12/08/04   08/23/10
SWZCSWCCH            Consolidated SW Menu         80         12/08/04   08/23/10
ENZAJL.M&OSUPVMENU   M&O Supervisor Main Menu     14         12/08/04   08/23/10
AFVRS TEL OPERATOR   Telephone Operator Menu      7          12/08/04   08/23/10
DVBA VARO REMOTE     CLEVELAND VA Regional Off... 113        12/08/04   08/23/10
CLEZZ FIRST PARTY CLERK'S MENU
                     Menu for Pharmacy Co-Pay ... 8          12/08/04   08/23/10
TIU MAIN MENU MRT    Text Integration Utilitie... 2          12/08/04   08/23/10
TIU MAIN MENU CLINICIAN
                     Progress Notes/Discharge ... 1          01/17/08   08/23/10
ORZ CLINICAL COORD.  Clinical Coordinator Menu    8          12/08/04   08/23/10
PXRM REMINDER REPORTS
                     Reminder Reports             1          12/08/04   08/23/10
AFVDS SANDUSKY MENU Sandusky Inquire Menu         2                     08/23/10
AFVAZZLOCALPRE-REGISTRATION
                     LOCAL PRE-REGISTRATION       32         12/08/04   08/23/10
AFVAZZ CHECK PROCESSING MENU
                     CHECK PROCESSING MENU        4          12/08/04   08/23/10
AFVAZMCCR LOCAL BILLING MENU
                     MCCR LOCAL BILLING MENU      29         12/08/04   08/23/10
AFVAZMCCR LOCAL ANALYST MENU
                     MCCR LOCAL ANALYST MENU      7          12/08/04   08/23/10
AFVDS OUTREACH MAIN MENU
                     Outreach Main Menu           12         12/08/04   08/23/10
AFVAZ MCCR CHIEF     MCCR Chief                   5          12/08/04   08/23/10
AFV PCMM MENU        PCMM MENU                    1          12/08/04   08/23/10
AFXTF QM NURSE MENU QM Nurse Menu                 1          12/08/04   08/23/10
AFWEPE MENU          Prosthetic Eyeglass          3          12/08/04   08/23/10
AFV AR CONTRACTOR'S MENU
                     AR Contractor's Menu         6          12/08/04   08/23/10
EDPF TRACKING MENU ALL
```

Building secondary menu trees....

Merging.... done.


Install Completed


     1        Load a Distribution
     2        Verify Checksums in Transport Global
     3        Print Transport Global
     4        Compare Transport Global to Current System
     5        Backup a Transport Global
     6        Install Package(s)
              Restart Install of Package(s)
              Unload a Distribution


You have PENDING ALERTS
        Enter  "VA to jump to VIEW ALERTS option

Select Installation Option:   Timed out....

Do you want to halt and continue with this option later? YES//

Great.  See you later.


Logged out at Aug 25, 2010 2:44 pm

# Appendix C—Instructions for RALS-Plus Sites

If your site uses RALS software from Medical Automation Systems (AMS) and you *are not* planning to use Appointment Management to create emergency-department visits in the Patient Care Encounters (PCE) package, you'll need to install an updated version of the GTS interface routine ANGBLGTS5.

The older version of this routine uses events from Appointment Management to store information from point-of-care (POC) devices in VistA. Because EDIS makes it possible to create emergency-department visits in CPRS without using Appointment Management, some sites are opting not to use this Scheduling package application. The updated version of GTS ANGBLGTS5 supports RALS interaction with VistA for sites that plan to use EDIS to create emergency-department visits.

# Appendix D—Add Screen Sizes for Large Displays (Example)

**Sample dialog to add a 1200x1920 (portrait) display to the EDPF SCREEN SIZES parameter file's display list.**

```
Select OPTION NAME: XPAR MENU TOOLS      General Parameter Tools


   LV     List Values for a Selected Parameter
   LE     List Values for a Selected Entity
   LP     List Values for a Selected Package
   LT     List Values for a Selected Template
   EP     Edit Parameter Values
   ET     Edit Parameter Values with Template
   EK     Edit Parameter Definition Keyword


You have PENDING ALERTS
        Enter  "VA to jump to VIEW ALERTS option

<REMDV> Select General Parameter Tools Option: EP  Edit Parameter Values
                    --- Edit Parameter Values ---

Select PARAMETER DEFINITION NAME: EDPF SCREEN SIZES     Available Screen Sizes

EDPF SCREEN SIZES may be set for the following:

    5   Division      DIV    [choose from INSTITUTION]
    7   System        SYS    [EDIS-RDV.FO-SLC.MED.VA.GOV]

Enter selection: 5 Division    INSTITUTION
Select INSTITUTION NAME: CHEYENNE VAMROC    WY  M&ROC   442

---------- Setting EDPF SCREEN SIZES  for Division: CHEYENNE VAMROC ----------
Select Sequence: ?


Sequence  Value
--------  -----
1         640x480
2         800x600
3         1024X768
4         1152x864
5         1280x800
6         1280x1024


Select Sequence: 7
Are you adding 7 as a new Sequence? Yes// YES

Sequence: 7//    7

Screen Size (WIDTHxHEIGHT): 1200x1920
Select Sequence: ?


Sequence  Value
--------  -----
1         640x480
2         800x600
3         1024X768
4         1152x864
5         1280x800
6         1280x1024
7         1200x1920
```

```
Select Sequence:

EDPF SCREEN SIZES may be set for the following:

     5    Division      DIV    [choose from INSTITUTION]
     7    System        SYS    [EDIS-RDV.FO-SLC.MED.VA.GOV]

Enter selection:
--------------------------------------------------------------------------

Select PARAMETER DEFINITION NAME:


   LV      List Values for a Selected Parameter
   LE      List Values for a Selected Entity
   LP      List Values for a Selected Package
   LT      List Values for a Selected Template
   EP      Edit Parameter Values
   ET      Edit Parameter Values with Template
   EK      Edit Parameter Definition Keyword


You have PENDING ALERTS
         Enter  "VA to jump to VIEW ALERTS option

<REMDV> Select General Parameter Tools Option:
```

# Appendix E—Post Installation Checklist

☐ Select one or more emergency-department locations (edit the EDPF LOCATION parameter)

☐ Select the screening criterion that EDIS uses to populate the nursing-staff pick list

☐ Assign all EDPF options to yourself or another member of the IRM staff

☐ Rebuild menu trees

☐ Install Adobe Flash Player 9 on users' workstations (if necessary).

☐ Work with emergency-department management staff and CACs to obtain a task-oriented checklist for EDIS users

☐ Determine which menu options each user needs

☐ Assign menu options

☐ Make sure each user has an active person class

☐ Work with emergency-department staff and CACs to determine which security keys each user needs (if any)

☐ Assign security keys

☐ Add the screen sizes that optimize your site's electronic white-board displays

☐ Configure workstations to run your site's electronic white-board display