Department of Veterans Affairs

VistA Scheduling Enhancements (VSE)
GUI v2.0.0.15.8
SD*5.3*679 & GMRC*3.0*98

Technical Manual

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1. Overview

This manual provides Department of Veterans Affairs (VA) site managers with a technical description of the Veterans Health Information System and Technology Architecture (VistA) Scheduling Graphical User Interface (GUI) routines, files, menus, cross references, globals, and other necessary information required to effectively manage the system.

The VistA Scheduling GUI module has the following features:

- Microsoft (MS) Windows user interface
- Graphical patient, clinic, provider, and resource scheduling
- Tight linkage to VistA patient and clinic data
- Graphical resource and clinic availability scheduling
- Printing and What You See Is What You Get (WYSIWYG) print preview of clinic schedules
- Graphical patient check-in links to VistA/PCC Plus (PCC+) check-in
- Reschedule and manipulate appointments using standard Windows cut/paste metaphors utilities procedures
- Schedule multiple appointments during a time block
- Store and retrieve clinic availability patterns
- Simultaneously view schedules for multiple clinics
- Resource Management Reporting for viewing metrics related clinic appointments and patient encounters in VistA

1.1. Security

The VistA Scheduling GUI uses VistA security keys to limit user’s ability to change system setup parameters and patient information. In other words, not all VistA Scheduling GUI options are available to all users. Contact the site administrator to determine or change security keys.

1.2. Rules of Behavior

All VistA users are required to observe VA rules of behavior regarding patient privacy and the security of both patient information, and VA computers and networks.

1.3. Orientation

The VistA Scheduling GUI module has no VistA server menu options. The only VistA server preparation specifically required to run VistA Scheduling GUI v2.0.0.15.8 is to install the multi-build patch containing SD*5.3*679 and GMRC*3.0*98 and to use the Kernel Installation and Distribution System (KIDS) module to assign appropriate security keys to users. The rest of the module runs on the PC client and can be managed from there.

Interaction of VistA Scheduling GUI with the VistA system is accomplished entirely via the use of Remote Procedure Calls (RPCs).
2. GUI Implementation and Maintenance

2.1. System Requirements

- **Client Operation**
  - Windows 7 or later
  - .NET version 4.0 or higher
  - Four (4) gigabyte (GB) random access memory (RAM)

- **Client Development/Maintenance**
  - Windows 7 or later
  - Visual Studio 2015 (or higher if it supports Rational Source Control plug-in)
  - Rational Source Repository
  - Rational Source Control Plug-In
  - VistA instance with RPC Broker for unit testing
  - VistA Scheduling Patch SD*5.3*679

2.2. Overview

The main screen of the thick client GUI is shown in Figure 1 above. After logon, the main screen is displayed. A call to SDECIDX GETREC with subsequent calls to SDEC ARGET,
SDEC WLGET, SDEC RECGET and SDEC REQGET RPCs is made to populate the Request Management (RM) Grid.

The principal sections of this screen are as follows (letters refer to the markings in the figure):

A. Ribbon Bar Patient Information

This part of the main GUI screen is used to search for and select a patient and to display information about the patient. The SEARCH button invokes the SDEC PTLOOKRS RPC to match patients in the VistA Patient file (#2) with the input entered into the associated search box. A list of matching names is displayed in a result list beneath the search box. Clicking on a listed patient displays demographic data (reused from the SDEC PTLOOKRS RPC call previously made) in the fields shown in the Ribbon Bar. Once a patient is selected, the “New Req.” link in the Ribbon Bar Actions Menu is also activated.

When selecting an Appointment Request in the Request Management (RM) Grid or an Appointment from a Calendar Schedule SDEC GETREGA is called to populate the Patient Information.

Note: Some data returned by RPC calls is cached by the GUI for a minimum of 5 minutes or until the Refresh button in the Ribbon Bar Tools Menu is clicked.

B. Ribbon Bar Actions Menu

This pane in the Ribbon Bar contains a link to begin appointment request creation (see Appointment Request Type Dialog below).

C. Ribbon Bar Arrangements Menu

This pane in the Ribbon Bar is now inoperative. The View Mode box was made invisible in Release 1.5, and the Time Scale was previously made non-functional. The user has indicated that this pane can be removed from the Ribbon Bar.

D. Pending Appointments

This pane contains a sortable list of pending appointments for a patient. RPC SDEC FAPPTGET is called with a date range of 365 days in the past to 1000 days in the future to populate the list. The data is organized in three columns – date, clinic, appointment status – the data can be sorted in ascending or descending order or filtered by the user (see Pending Appointments Column Filters below).

Left clicking on an appointment calls a series of RPCs including but not limited to SDEC RESOURCE, SDEC CLINSET, SDEC APPSLOTS and SDEC CRSCHED to populate the Calendar Schedule. Right clicking in this pane – except in the header – produces an appointment context menu (see Print Pending Appointments below) that can be used to display additional appointment information or that can be used to print pending appointments.

E. Patient Special Needs/Preferences Window

This pane displays a patient’s special needs or preferences. The data comes from the SDEC PTLOOKRS or SDEC GETREGA RPCs that are called when the patient is selected (see Ribbon Bar Patient Information). The special needs or preferences can
be modified by right clicking in the **Ribbon Bar Patient Information** and then using the **Patient Information Dialog**.

**F. Ribbon Bar Tools Menu**

This pane has four selection options: 1) Print, 2) Export, 3) Refresh and 4) Query. Print (see Figure 2 below) and Export allow the user to output the appointment request wait list (stored in the **Request Management (RM) Grid**) as either a printout or a spreadsheet. Refresh clears the wait list and re-loads it. Query (see Figure 3 below) allows the user to select specific data filters to use to repopulate the entries on the wait list.

![Figure 2: Wait List - Print](image-url)
G. User Preferences

In this window, the user specifies the criteria applied to selecting appointment requests to be displayed in the wait list (Request Management (RM) Grid). User settings are obtained from VistA by calling the SDECRMGP GETRMGUP RPC. If the user checks the save as default box, the changed criteria are stored back in VistA via the SDECRMGP PUTRMGUP RPC.
H. Request Management (RM) Grid

Upon initial logon, the RM Grid displays the facility’s wait list or a wait list based on the user’s previously saved User Preferences. If a patient has been selected (Ribbon Bar Patient Information), the patient’s outstanding appointment requests are displayed. Data for either version of this list are obtained from VistA via a call to SDECIDX GETREC with subsequent calls to SDEC ARGET, SDEC WLGET, SDEC RECGET and SDEC REQGET RPCs. Right clicking on an appointment request opens an option menu (see Figure 5 below) which allows the user to open selected appointment request context windows (e.g., Figure 7: Appointment Request) or to access Patient Contacts.
I. Calendar Navigation Pane

This pane allows the user to switch dates in the Calendar Schedule when a clinic, provider or clinic group has been selected in the Clinic/Provider Navigation Pane. Clicking on a date invokes the SDEC APPSLOTS, SDEC CRSCHED and other RPCs to populate the calendar.

J. Clinic/Provider Navigation Pane

This pane allows the user to select a specific clinic, provider or clinic group for display in the Calendar Schedule. The GUI calls a VistA RPC (SDEC RESOURCE with different input parameters for clinics and providers or SDEC RESGPUSR for clinic groups) when the user pauses typing and at least 2 characters of the clinic, provider or clinic group name has been entered.

K. Time Slot Viewer

This pane shows characteristics of the time slot selected in the Calendar Schedule. It displays the date and time of the slot along with the number of appointments permitted to be scheduled in the slot. The data displayed comes from the same RPC calls used to populate the Calendar Schedule.

L. Calendar Schedule

This section of the main screen displays a calendar of appointments scheduled for the selected clinic, provider or clinic group (see Clinic/Provider Navigation Pane). The data shown is obtained via calls to VistA RPCs – SDEC APPSLOTS and SDEC CRSCHED.

M. Title Bar
Righ clicking on the Title Bar at the top of the main screen opens the standard Windows option menu (e.g., minimize, close) to which has been added a link to the Trace Log.

N. Option Tabs

There are three option tabs near the top of the main screen. Tasks encompasses what is here described as the main screen. The other tabs are System Tab and Reports Tab.

In addition to the main screen, the GUI employs many popup windows to fulfill its scheduling duties. These additional windows are:

A. Appointment Request Type Dialog

The Appointment Request Type pop-up window (see Figure 6 below) appears when the user clicks on “New Req.” in the Ribbon Bar Actions Menu. The link is disabled unless a patient has been selected in the Ribbon Bar Patient Information.

B. Appointment Request Dialog

The Appointment Request pop-up window (see Figure 7 below) appears when the user clicks OK in the Appointment Request Type Dialog. The patient’s demographic information is displayed from the cached RPC data (SDEC PTLOOKRS). Clinic look up is done by a call to the SDEC RESOURCE and SDEC CLINSET RPCs. If PROVIDER is selected in the Entered By drop down box, the name entered in the Provider box is matched against VistA with a call to the SDEC RESOURCE RPC. Clicking OK files the appointment request in VistA through a call to the SDEC ARSET RPC. The user may also specify a Multiple Return to Clinic (MRTC) Request by checking the Multiple Request Required check box, then specifying the number of appointments and duration between appointments. Doing so will create a Parent MRTC Request.
C. Appointment Dialog

The Appointment pop-up window (see Figure 8 below) appears when the user selects calendar time slot for an appointment request, right clicks and selects Add Appointment or Create Walk-in Appointment. The data to populate the window comes from cached SDEC PTLOOKRS RPC data (patient demographics) and from the appointment request (appointment time and clinic). Appointment conflicts are obtained by call to the SDEC FAPPTGET RPC, targeting only the day of the new appointment. If the user clicks on the Start Time entry box (see Figure 9 below), popup box displayed is populated with time slot start times calculated from clinic set up data obtained via the SDEC APPSLOTS RPC call. The “standard” start time for a clinic is 0800 but this can be varied when a clinic schedule is set up in VistA using the SDBUILD option.
D. Patient Contacts

The Patient Contacts window (see Figure 10 below) appears through interaction on the Request Management (RM) Grid. The data displayed on this popup comes from a call to the SDEC CONTACT DISPLAY and SDEC CONTACT MULTI-DISPLAY RPCs. Data entered
in the **New Contact Attempt** section is stored in VistA via a call to the SDEC CONTACT UPDATE RPC.

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**E. Disabilities Dialog / Patient’s Eligibility**

This popup window (see Figure 7 above) appears to the left of the **Appointment Request Dialog** or the **Appointment Dialog**. It displays data obtained from VistA via an SDECDIS DISABIL RPC call.

**F. Similar Patient Dialog**

The Similar Names dialog displays when the system finds patients with a similar name and the same last 4 digits of the Social Security Number. The user is able to select a patient from the list and continue, or cancel and return to searching for patients. In addition to the RPC calls used in **Ribbon Bar Patient Information**, this dialog also calls DG CHK BS5 XREF ARRAY.

**G. Patient Information Dialog**

This popup (see Figure 11 below) appears when the user right clicks in the **Ribbon Bar Patient Information** pane or presses CTRL-P. The data displayed comes from cached data obtained from the SDEC PTLOOKRS RPC.
H. Patient Inquiry Detail

This popup (see Figure 12 below) appears if the user left clicks anywhere in the **Ribbon Bar Patient Information**. The data displayed comes from a call to the SDEC PTINQ RPC.

Figure 12: Patient Inquiry Detail

I. Patient Flags Dialog
The Patient Flags dialog (see Figure 13 below) displays important Patient Flags and Prompts. The information displayed in the Patient Flags dialog is retrieved by a call to the ORPRF GETFLF RPC call.

![Figure 13: Patient Flags](image_url)

**J. Sensitive Patient Dialog**

The purpose of the sensitive patient dialog windows (see Figure 14 below) is to notify the user that the patient he/she is about to access has characteristics different from the norm. There are three different types of sensitive patient dialogs that vary by the background color and the effect on the user. The GUI obtains sensitive patient data and its severity from the DG SENSITIVE RECORD ACCESS RPC.

A white background is the lowest level of sensitivity. A user who clicks through (continue button) on a white background sensitive patient warning is not otherwise encumbered. A yellow background window notifies the user that, if he/she accesses the patient, the Information Security Officer (ISO) will be notified (via the DG SENSITIVE RECORD BULLETIN RPC) and the user will need to justify the access. A red background window does not allow the user to access the patient’s record. The programmed STOP prevents the user from, for example, accessing his/her own record.
K. Check-in Dialog

This popup window (see Figure 15 below) appears when the user right clicks on a current or past appointment on the Calendar Schedule and selects Check In Patient. The data entered in the window is passed back to VistA via a call to the SDEC CHECKIN RPC.
L. Check-out Dialog

This popup window (see Figure 16 below) appears when the user right clicks on a current or past appointment on the Calendar Schedule and selects Check Out Patient. The data entered in the window is passed back to VistA via a call to the SDEC CHECKOUT RPC.
M. Cancel Appointment Dialog

This popup window (see Figure 17 below) appears when the user right clicks on an appointment on the Calendar Schedule and selects Cancel Appointment or right clicks on an appointment in Pending Appointments. The data entered in the window is passed back to VistA via a call to the SDECCAP CANRPC.

![Figure 17: Cancel Appointment Dialog](image)

N. MRTC Cancel Appointment Dialog

The MRTC (Multiple Return to Clinic or Multi-Book) Cancel dialog (see Figure 18 below) is used to cancel MRTC appointments. The user has options to cancel the single selected appointment, or all appointments associated with the MRTC Parent Request. The user may also close the Appointment Request associated with the current appointment or close all child appointment requests as well as the Parent MRTC Appointment Request.
O. No-Show Dialog

This popup window (see Figure 19 below) appears when the user right clicks on a current or past appointment on the Calendar Schedule and selects Mark as No Show. The data entered in the window is passed back to VistA via a call to the SDEC NOSHOW RPC.
P. MRTC Find Appointment Dialog

The MRTC Find Appointment dialog (see Figure 20 below) is opened when the user selects a Parent MRTC Request from the RM Grid. This dialog manages the creation of the Child MRTC Appointment Requests and the booking of the associated Child MRTC appointments. Additionally, during the booking process the MRTC Booking Status dialog will open to display the status of the child MRTC Requests and Appointments. The whole MRTC process uses various RPC calls that are referenced in the FindAppt module.
Q. Expanded Entry Dialog

This popup window (see Figure 21 below) appears when the user right clicks on an appointment on the Calendar Schedule and selects Expand Entry or right clicks on an appointment in Pending Appointments and selects Expand Entry. The data displayed in the window is obtained from VistA via calls to SDEC EP CLASSIFICATION, SDEC EP CPT, SDEC EP DEMOGRAPHICS, SDEC EP DIAGNOSIS, SDEC EP EVENT LOG, SDEC EP PROVIDER, SDEC EP PT INFO, SDEC EP STOP CODE and SDEC EP WAIT TIME RPCs.
A user can print a patient’s pending appointments by right clicking anywhere (except the header row) in the Pending Appointments pane and selecting Print Pending (see Figure 22 below). A standard Windows print dialog then appears, and the list is printed (see Figure 23 below).
Figure 22: Print Pending Appointments

Figure 23: Pending Appointments Print-Out

S. Pending Appointments Column Filters
The user can filter pending appointments (see Figure 24 below) by clicking on any column in **Pending Appointments**. Filtering is native to the Telerik control where pending appointments are displayed.

![Figure 24: Pending Appointments Date Filter](image)

**T. System Tab**

1. **Availability Dialog**

   The Availability window (see Figure 25 and Figure 26 below) shows data for a clinic that is obtained via a call to the SDEC RESOURCE and SDEC APPSLOTS RPC.
2. Scheduling Management Dialog

Scheduling Management is used to control access to Prohibited Clinics (see Figure 27 below) and to Clinic Groups (see Figure 28 below). The RPCs used to maintain prohibited clinics are:
- SDEC SCHUSR – users list
- SDEC RESOURCE – prohibited clinic search
- SDEC RESUSER – privileged users list
- SDECLOC UPDPRIV – add or remove user

The RPCs used to maintain clinic groups are:
- SDEC RESOURCE – list of resources to select from
- SDEC RESGRPUS – clinic groups list, resource list, resources in clinic group list
- SDEC ADDRG – add/edit clinic group
- SDEC DELRESGP – delete clinic group
- SDEC ADDRGI – add resource to clinic group
- SDEC DELRGI – remove resource from clinic group

Figure 27: Scheduling Management - Prohibited Clinics
U. Reports Tab

There are two reports available under this tab. The first shows activity by schedulers (see Figure 29 below). It is produced via calls to the SDEC SUMMGET and SDEC SUMMAGET RPCs. The second displayed information about clinics (see Figure 30 below). It is produced via calls to the SDEC REP1GET RPC.
V. Trace Log

The trace log (see Figure 31 below) stores RPC calls and the data returned, error information and other logged information. See additional information in VistA Scheduling GUI Trace Log.
W. Logon Screen

The logon window appears when the GUI is first opened. User can logon using PIV card and PIN or VistA access/verify code. PIV and PIN are authenticated via a call to the XUS ESSO VALIDATE RPC while access and verify codes are authenticated via a call to the XUS SIGNON SETUP and XUS AV CODE RPCs.
2.3. List of GUI modules and parts affected

The GUI source code is organized into the following primary groupings in Visual Studio Solution Explorer:

2.3.1 Common

The Common section contains infrastructure related code and structures. Global variables associated with the Keys class as well as global methods are defined here. Additional items in the Common section include controls, extension methods, event aggregators and data models/structures. Keys contains references to almost all VistA RPCs called to extract and update data in the database. The Trace Log class is common to the application and stores all RPC calls, request data and responses. PIV authentication uses the code stored under SSOi. The Factories sub-section is little used by the VSE GUI.

A new RPC used by the application would need to be defined in the RpcCalls sub-class of the Keys static class. A new method would need to be added to the Modules.DataAccess\Services\DataAccessService.cs as well as in the IDataAccessService interface in the Interfaces sub-section. CLaunchWindow is a static class with a Launch method that can be called to display a UserControl as a popup or dialog window.

X. VAR/VAOS Button

Code is UNDER DEVELOPMENT.
The ExtensionMethods sub-section is where a new method would be added if the method is to be used by more than one module and if it extends a specific class.

2.3.2 Modules

The Modules section has the following sub-sections:

2.3.2.1 CancelAppt

Code in this section processes an appointment cancellation (see Cancel Appointment Dialog).

2.3.2.2 ChangeDivision

Code in this section is not enabled in the GUI. It was originally accessible from a currently hidden menu item in the System Menu. Its purpose was to allow users to switch facilities but it never worked.

2.3.2.3 CheckIn

Code in this section processes an appointment check-in (see K. Check-in Dialog).

2.3.2.4 CheckOut

Code in this section processes an appointment check-out (see L. Check-out Dialog).

2.3.2.5 ContactAttempt

Code in this section is used to record attempts to contact patients by phone or letter (see Patient Contacts). It applies to the patient recall (PtCSch) request type.

2.3.2.6 DataAccess

Code in this section connects to VistA and either gets or sets data via RPC calls.

2.3.2.7 ExpandedEntry

Code in this section displays an appointment expanded entry (see Expanded Entry Dialog).

2.3.2.8 FindAppt

MRTC processes

2.3.2.9 Management

Code in this section supports the functions associated with System Tab.

2.3.2.10 MarkAsNoShow

Code in this section processes an appointment as a no show (see No-Show Dialog).
2.3.2.11 Navigation
Code in this section handles processing for Calendar Navigation Pane and Clinic/Provider Navigation Pane.

2.3.2.12 PatientAppt
Code in this section processes Appointment Dialog for new APPT and walk-in appointments as well as Disabilities Dialog / Patient’s Eligibility.

2.3.2.13 PatientSelection
Code in this section supports Patient Information Dialog.

2.3.2.14 Prerequisites
VA developer code. Launched when select appointment request and, if appropriate, pops up prerequisites window.

2.3.2.15 Reports
Code in this section supports the functions associated with Reports Tab. It also prints patient letters.

2.3.2.16 ResourceSelection
The code in this section is not used.

2.3.2.17 Ribbon
Code in this section supports the functions associated with:
1) Ribbon Bar Patient Information,
2) Ribbon Bar Actions Menu,
3) Ribbon Bar Arrangements Menu,
4) Pending Appointments,
5) Patient Special Needs/Preferences Window,
6) Ribbon Bar Tools Menu,
7) User Preferences and
8) Appointment Request Dialog.

2.3.2.18 Task
Code in this section supports Calendar Schedule.

2.3.2.19 UserLogin
Code in this section processes the Logon Screen.
2.3.2.20   **VAR**

Code in this section implements the **VAR/VAOS Button** and the interface to the VAR system.

2.3.3   **Unit Tests**

The code in this section is obsolete.

2.3.4   **ClinSchd**

This section hosts the main application. It will only be modified if a new module is added. The config file (see **2.7 Configuring the GUI**) is also located here.

2.3.5   **CreateWebServices**

The code in this section is obsolete.

2.3.6   **InstallerCustomActions**

The code in this section is used by the installer.

2.3.7   **ClinSchedInstaller**

The code in this section supports creation of a build package.

2.3.8   **VARMobileAppMockup**

The code in this section is a testing app to simulate a Veteran entering mobile request.

2.3.9   **Web Services**

2.3.9.1   **VSE_VAR_Client**

The code in this section is an app to test web service connectivity.

2.3.9.2   **VSE_VAR_DataAccessService**

The code in this section provides the WCF VSE_VAR_Service Web services to access the VAOS\VAR Oracle database.

2.3.9.3   **VSE_VAR_Service**

The code in this section encompasses the WCF VSE_VAR_Service.

2.3.9.4   **VSE_VAR_Service.Interfaces**

Web service interface/contracts (data description of data to be transmitted between server and client). The dll created in this project MUST be included in any client that will communicate with the VSE_VAR_Service Web Service.

2.3.9.5   **VSE_VAR_ServiceConsoleHost**

used in testing to run WCF service in a console
2.3.9.6  VSE_VAR_TestClient

test app to simulate VSE activities for VAR

2.4.  Structure of Code Modules

A module project contains a VSE dll assembly and should contain a specific set of functionalities. Apart from some core modules, properly executed modules should be able to be removed from the VSE application and the VSE application able to run without them. A module contains code to register classes with the Unity dependency injection (DI) engine, event subscriptions for the Event Aggregator and the code to execute the specific functionalities.

2.4.1 Module Project

A module contains a module class, one or more controllers, one or more services as well as views, view models and possibly models to implement the module functionality. A typical module project might look like:

```
ClinSchd.Modules. <%Module Name%>
    Properties
    References
    <%Module Name%>
        I<%Module Name%>PresentationModel.cs
        I<%Module Name%>View.cs
        <%Module Name%>View.xaml
        <%Module Name%>View.xaml.cs
        <%Module Name%>PresentationModel.cs
    Controllers
        I<%Module Name%>Controller.cs
        <%Module Name%>Controller.cs
    Services
        I<%Module Name%>Service.cs
        <%Module Name%>Service.cs
        <%Module Name%>Module.cs
```

2.4.2 Module Class

The module class must implement IModule and contains code to register module classes and interfaces with the unity dependency injection engine. The class also instantiates all controllers and performs any other initialization functions required for the module to execute. The module class is typically named <%Module Name%>Module.cs and is in the root folder of the module project. The class should also implement a constructor that includes parameters for IUnityContainer and IEventAggregator. A typical module class looks like:

```
using Microsoft.Practices. Unity;
```
namespace ClinSchd.Modules.<%Module Name%>
{
    public class <%Module Name%> : IModule
    {
        private readonly IUnityContainer _container;
        private readonly IEventAggregator _eventAggregator;
        private I<%Module Name%>Controller _controller;

        public <%Module Name%>Module (IUnityContainer container, IEventAggregator eventAggregator)
        {
            _container = container;
            _eventAggregator = eventAggregator;
        }

        public void Initialize()
        {
            RegisterViewsAndServices();
            /* Create any controllers */
            _controller = _container.Resolve<I<%Module Name%>Controller> ();
            /* Start all created controllers */
            _controller.Run ();
        }

        protected void RegisterViewsAndServices()
        {
            _container.RegisterType<I<%Module Name%>Controller, <%Module Name%>Controller> ();
            _container.RegisterType<I<%Module Name%>Service, <%Module Name%>Service> ();
            /* Register other types as required */
        }
    }
}

### 2.4.3 Controller Class

Normally the controller class contains the EventAggregator subscriptions for the module and “controls” access to the module functionalities. On can also expose module functionalities by registering module classes in the Unity dependency injection engine, in the module class,
allowing the modules classes to be instantiated from anywhere in the application that can access the module interfaces.

A typical controller looks like:

```csharp
class ModuleController : I ModuleController
{
    private readonly IUnityContainer _container;
    private readonly I ModuleName>Service _service;
    private readonly IEventAggregator _eventAggregator;
    private readonly IDataAccessService _dataAccessService;

    public ModuleController (IUnityContainer container,
        I ModuleName>Service service,
        IEventAggregator eventAggregator,
        IDataAccessService dataAccessService)
    {
        _container = container;
        _service = service;
        _eventAggregator = eventAggregator;
        _dataAccessService = dataAccessService;
    }

    public void Run()
    {
        _eventAggregator.GetEvent<ModuleName>Event> ().Subscribe (
            new ModuleName>EventHandler, ThreadOption.UIThread, true);
    }

    public void ModuleName>EventHandler (ModuleName>EventPayload payload)
    {
        service.DoEventHandler(payload);
    }
}
2.4.4 Service Class

The service class typically implements the module functionality code. This can be anything from running a process to displaying windows or creating a user control to be docked elsewhere in the application. A typical service class might look like:

```csharp
using System;
using ClinSchd.Modules.<%Module Name%>.<%Module Name%>;

namespace ClinSchd.Modules.<%Module Name%>.Services
{
    public class <%Module Name%>Service : I<%Module Name%>Service
    {
        public <%Module Name%>Service ()
        {
        }

        #region I<%Module Name%> Members
        public void DoEventHandler (<%Module Name%>EventPayload payload)
        {
            /* Do the functionality work here */
        }
        #endregion I<%Module Name%> Members
    }
}
```

2.5. Organization of Rational Streams

There are seven Rational streams associated with the project. Five are code streams, one is for delivering install packages, and one is for documentation.

<table>
<thead>
<tr>
<th>Stream</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ConDEV</td>
<td>Used for current development.</td>
</tr>
<tr>
<td>ConTEST</td>
<td>Once current development has passed unit testing and is ready for Component Integration Testing (CIT), the development is promoted to this stream. Builds for CIT are made from this stream.</td>
</tr>
<tr>
<td>Stream</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ConSQA</td>
<td>Once a build is ready to move to Software Quality Assurance (SQA) testing, then the changes are promoted to this stream. Builds for SQA are made from this stream. If SQA testing returns defects, they should be fixed and tested in this stream and then merged into current development, which might already be working on the next version.</td>
</tr>
<tr>
<td>ConIOC</td>
<td>Once a build has cleared SQA and is ready for Initial Operating Capacity (IOC) testing, the code is promoted to this stream. Builds for IOC are made from this stream. If IOC testing returns defects, they should be fixed and tested in this stream and then merged into current development (and possibly also SQA), which might be on different versions.</td>
</tr>
<tr>
<td>ConPROD</td>
<td>Once a build has cleared IOC testing and is installed at field sites, the code is promoted to this stream. This stream serves as a reference copy of production to research reported defects, since the dev streams will be on later versions. The only active development that should take place in this stream is for emergency fixes that are disconnected from the current versions in SQA or IOC.</td>
</tr>
<tr>
<td>Scheduling – Project Documents</td>
<td>This stream holds the documentation for the project, including deliverables and reference documents.</td>
</tr>
<tr>
<td>VSE Installers</td>
<td>This stream holds the install packages for each build of the software, serving as a point for distribution as well as a repository to allow installing previous versions for research.</td>
</tr>
</tbody>
</table>

### 2.6. Troubleshooting using the Trace Log

The Trace Log is a tool to help troubleshoot problems within the VSE GUI application. For the Trace Log to be available the VSE GUI must be executed with the /trace command line parameter. The Trace Log can be access by right-clicking the application title bar and selecting Trace Log from the menu.

The Trace log contains a log of ALL RPC calls made by the VSE GUI, to include the RPC Name, Inputs (Parameters) and returns. Returns can be various results including error information reported by the called RPC. The Trace Log, in many cases, also includes error information reported from the GUI application. Sometimes a user friendly error message is displayed and the Trace Log must be accessed to view the error details. Other logged details are also visible. Exceptions\Errors caught within the VSE GUI and logged using the TraceLog.LogError method will include the full error stack when present.
The Trace Log can be exported to an XML file for analysis. When the /AutoDumpTrace command line parameter is added the VSE GUI will attempt to save the current Trace Log to the C:\Program Data\Vista Scheduling GUI\TraceLog.xml file. Each successive save overwrites previous saves.

A developer can write to the Trace Log by including the ClinSchd.Infrastructure names space, then calling one of the TraceLog.Log . . . methods.

Returned RPC data in the Trace Log may be a single string, an array of strings, a list of strings (possibly including an array item) or a record set.

    Arrays returned are generally formatted as:
    
    Array[n]
    #0: value
    #1: value
    . . .
    #n: value

    Record sets generally appear as:
    
    T00020HEADER_1^T00020HEADER_2^ . . . ^T00030HEADER_N
    Record1_Value1^Record1_Value2^ . . . ^Record1_ValueN
    Record2_Value1^Record2_Value2^ . . . ^Record2_ValueN
    . . .
    RecordN_Value1^RecordN_Value2^ . . . ^RecordN_ValueN

    Record sets can be copied and saved to a text file and imported into Excel as a ^ delimited file for easier review.)

2.7. Configuring the GUI

The VistaSchedulingGUI.exe.config file (the config file) is found in the application folder location. By default this is C:\ Program Files (x86)\VistA Scheduling GUI_x, where _x is not present in the Visual Studio development environment, but may be _P (Production Release), _T (Test Release), _RC (Release Candidate) when VSE is installed using one of the msi files.

Generally the config file is initialized during the installation process or by modifying the app.config file within the ClinSchd project in Visual Studio.

The config file can also be modified using a text editor such as Notepad, Notepad++, etc.

Within the config file there are 2 sections that may need to be configured. It is HIGHLY recommended NOT to modify the other sections of the file.
2.7.1 The <appSettings> Section

The <appSettings> section contain several <add key . . . options that can be modified.

- `<add key="host" value="" />`: This key value holds the address or URL of the host VistA instance.
- `<add key="port" .value="" />`: This key value holds the port number assigned to the VistA instance on the host machine.
- `<add key="nspace" value="" />`: This key value holds the Name Space assigned the VistA instance on the host machine.
- `<add key="MaxPatientsToReturn" value="50" />`: This key value adjusts the maximum number of patients returned by the Patient Search on the ribbon bar. The default recommended value is 50.
- `<add key="var_service_url" value="" />`: This key value is used to determine if the VSE\VAOS (VAR) interface is available to those users holding the SDEZ REQUEST key. The value SHOULD match the <endpoint address="" /> value indicated in the <system.ServiceModel><client> section as discussed below, however, VSE is only looking for a value containing the “VSE_VAR_Service” string. If the value is empty or does not contain that string VSE will not activate the VSE\VAOS (VAR) functionality.

At this time any other <appSettings> key value pairs are ignored.

2.7.2 The <system.ServiceModel><client><endpoint> Section

The VSE\VAOS (VAR) Interface talks to a WCF Web service. The <system.ServiceModel> section describes connection properties used by VSE for this purpose. Within the <client> subsection is found the <endpoint> subsection.

Modify the <endpoint address="" /> value to change the location URL of the VSE_VAR_Service web service. If this value is not EXACTLY correct VSE will be unable to communicate with the VSE_VAR_Service Web Service and communication errors will be reported in the VSE Trace Log.

It is HIGHLY recommended the <endpoint> address and the <appSettings><add key="var_service_url" value="" /> be set to the same value.

2.7.3 Command Line Parameters

The VSE application allows for two (2) command line parameters. These parameters can be added to the application shortcut as needed.

2.7.3.1 The /trace command line parameter

When the /trace command line parameter is present VSE turns on and initializes the Trace Log functionality. The Trace Log can be accessed via the application system menu by right clicking the application title bar.

2.7.3.2 /AutoDump Trace command line parameter

When the /AutoDumpTrace command line parameter is present VSE will attempt to save the current Trace Log to a file when the application exits. This includes when the application terminates due to an error. The saved Trace Log file is located in the C:\ProgramData\VA
The VistA Scheduler\VSETraceLog.xml file. Each successive Trace Log dump overwrites previous Trace Log dumps.

The /trace command line parameter is required for the >>AutoDumpTrace functionality to work.

2.7.4 The Application Trace File

The application Trace file is a file generated by the VSE application. Successive VSE executions will be recorded in the same Trace file. Some error information may be present in the Trace file when VSE crashes. The Trace file is always located at C:\ProgramData\VA VistA Scheduler\trace.log.

2.8. Client Application Dependencies and Files

Table 2: Clinical Scheduler Distributable Files

<table>
<thead>
<tr>
<th>Clinical Scheduler Files</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ClinSchd.exe</td>
<td>This is the main executable that launches the application.</td>
</tr>
<tr>
<td>ClinSchd.Infrastructure.dll</td>
<td>This library contains the application models, behaviors, events, interfaces, static information, threading capability and other common functionality used by the application and its supporting modules.</td>
</tr>
<tr>
<td>CancelAppt.dll</td>
<td>This is required functionality for cancelling appointments and appointment requests.</td>
</tr>
<tr>
<td>ChangeDivision.dll</td>
<td>This is required functionality for changing divisions and invoking authentication functionality for division.</td>
</tr>
<tr>
<td>CheckIn.dll</td>
<td>This is required functionality to check-in patients for a selected appointment.</td>
</tr>
<tr>
<td>CheckOut.dll</td>
<td>This is required functionality to check-out patients for a selected appointment.</td>
</tr>
<tr>
<td>DataAccess.dll</td>
<td>This is the primary data access layer designed to interface with VistA RPCs.</td>
</tr>
<tr>
<td>FindAppt.dll</td>
<td>This is required functionality for searching and finding appointments based on criteria set.</td>
</tr>
<tr>
<td>Management.dll</td>
<td>This is required functionality for managing users, clinics, and clinic groups.</td>
</tr>
<tr>
<td>MarkAsNoShow.dll</td>
<td>This is required functionality to update appointment status to “No Show”.</td>
</tr>
<tr>
<td>Navigation.dll</td>
<td>This library handles the layout and grouping of services and objects within the GUI display.</td>
</tr>
<tr>
<td>PatientAppt.dll</td>
<td>This is required functionality to create new appointments.</td>
</tr>
<tr>
<td>Clinical Scheduler Files</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>PatientSelection.dll</td>
<td>This is required functionality to select a patient from the VistA patient file.</td>
</tr>
<tr>
<td>Reports.dll</td>
<td>This is required functionality to support the GUI reports implemented in E1/E2 and E3.</td>
</tr>
<tr>
<td>ResourceSelection.dll</td>
<td>This is required functionality for users to select resources, clinics, and clinic groups.</td>
</tr>
<tr>
<td>Ribbon.dll</td>
<td>This library contains the tabs and controls that display in the application and allow the user to view high-level dashboard functionality, as well as the tabs required to switch between scheduling functions, user and system management, and reports.</td>
</tr>
<tr>
<td>Task.dll</td>
<td>This library contains functionality for users to manage schedules and appointments associated with clinic, provider, and clinic group schedules (i.e., creating, modifying, and cancelling appointments).</td>
</tr>
</tbody>
</table>

Microsoft Practices Libraries:
- Microsoft.Practices.Composite.dll
- Microsoft.Practices.ObjectBuilder2.dll
- Microsoft.Practices.ServiceLocation.dll
- Microsoft.Practices.Unity.dll

The Microsoft Enterprise Library is a collection of reusable software components (application blocks) designed to assist software developers with common enterprise development, cross-cutting concerns (such as logging, validation, data access, exception handling, and many others). Application blocks are a type of guidance; they are provided as source code, test cases, and documentation that can be used "as is," extended, or modified by developers to use on complex, enterprise-level line-of-business development projects.

Third-Party Controls
- Telerik.Windows.Controls (v 2010.1.603.35)
- Telerik.Windows.Controls.Charting.dll
- Telerik.Windows.Controls.Docking.dll
- Telerik.Windows.Controls.GridView.dll
- Telerik.Windows.Controls.Input.dll
- Telerik.Windows.Controls.RibbonBar.dll
- Telerik.Windows.Controls.Scheduler.dll

Telerik Windows controls are used by the GUI for displaying dialog boxes, user input fields (such as text, radio/check buttons, drop down/combo lists), and other user interface (UI) elements. The Telerik controls can be transferred without issue. Telerik controls are Technical Reference Model (TRM)-approved, according to [https://www.va.gov/TRM/SearchPage.asp](https://www.va.gov/TRM/SearchPage.asp).

Client Configuration Files
<table>
<thead>
<tr>
<th>Clinical Scheduler Files</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ClinSchd.exe.config</td>
<td>This file contains configuration for internal functionality, as well as configuration information for the client to connect to the VistA server. The <strong>Application Settings</strong> section of this file allows the user to modify the default VistA server connection the user will need to authenticate against during application start-up. &lt;br&gt;<code>&lt;appSettings&gt;</code> &lt;br&gt;<code>&lt;add key=&quot;host&quot; value=&quot;ServerName&quot; /&gt;</code> &lt;br&gt;<code>&lt;add key=&quot;port&quot; value=&quot;Port&quot; /&gt;</code> &lt;br&gt;<code>&lt;add key=&quot;nspace&quot; value=&quot;Namespace&quot; /&gt;</code> &lt;br&gt;<code>&lt;/appSettings&gt;</code> &lt;br&gt;<em>In addition to connecting to a valid VistA server, port, and namespace, users will be required to supply valid access and verify codes, with the proper keys and permissions in order to authenticate.</em></td>
</tr>
<tr>
<td>Clinical Scheduler Files</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ClinSchd.Infrastructure.xml</td>
<td>This file contains configuration information for the client infrastructure project. Data contained in this file does not need to be modified for environments. Contains dynamic application information for the ClinSchd.Infrastructure project.</td>
</tr>
<tr>
<td>Telerik Configuration Files</td>
<td>Telerik.Windows.Controls.Charting.xml</td>
</tr>
<tr>
<td></td>
<td>Telerik.Windows.Controls.Docking.xml</td>
</tr>
<tr>
<td></td>
<td>Telerik.Windows.Controls.GridView.xml</td>
</tr>
<tr>
<td></td>
<td>Telerik.Windows.Controls.Input.xml</td>
</tr>
<tr>
<td></td>
<td>Telerik.Windows.Controls.RibbonBar.xml</td>
</tr>
<tr>
<td></td>
<td>Telerik.Windows.Controls.Scheduler.xml</td>
</tr>
<tr>
<td></td>
<td>Telerik.Windows.Data.xml</td>
</tr>
<tr>
<td></td>
<td>Microsoft.Practices.Composite.UnityExtensions.xml</td>
</tr>
<tr>
<td></td>
<td>Microsoft.Practices.Composite.xml</td>
</tr>
<tr>
<td></td>
<td>Microsoft.Practices.ObjectBuilder2.xml</td>
</tr>
<tr>
<td></td>
<td>Microsoft.Practices.ServiceLocation.xml</td>
</tr>
<tr>
<td></td>
<td>Microsoft.Practices.Unity.xml</td>
</tr>
</tbody>
</table>

### 2.9. VistA Scheduling GUI Trace Log

The VistA Scheduling GUI Trace Log is a custom GUI designed to inspect and debug server side VistA RPCs. The UI for this application displays the input and results for RPC calls. To launch the GUI with access to the trace log, the executable must be launched with the following command “/trace”.
To launch the trace log, the user must right click in the title bar of the window and select the *Show Trace Log* option.
Additional logging and debug information can be found in the application folder (same folder as the ClinSchd.exe file) in a file named `trace.log`. This file can be opened in any text editor/viewer for inspection.

### 2.10. Request Management

The VSE scheduler creates and manages several different types of appointment requests: appointment (APPT), electronic wait list (EWL) entries, recalls, and consults. These requests are retrieved and stored in different VistA files. Users must submit queries to the VistA server to retrieve individual requests. Users can search by patient name, request type, clinic or service/specialty clinic, priority group, wait time, service, connection, desired date, and origination date. Once the query is submitted to the server, the records are filtered based on the query type. Users can also specify a particular sort for the records based on: patient name, request type, clinic, wait time, priority group, origination date, desired date of appointment, and service connection. The default sort is grouped by priority group, then by desired date, and then by origination date.
All records meeting the query criteria are filtered and sorted on the server and returned to the GUI. Only 25 records are returned at a time. The Request Management Grid contains paging functionality for the user to retrieve additional records beyond the initial 25.

2.11. Internal Relations
There are no documented internal relations in VistA Scheduling GUI.

2.12. External Relations
No special integration agreements exist between VistA Scheduling GUI and any other package.

2.13. Published Entry Points
No published entry points exist in VistA Scheduling GUI.
3. Legacy VistA Scheduling Implementation and Maintenance

VistA Scheduling GUI provides a Windows interface for the Patient Information Management System (PIMS) Scheduling software and is designed to interoperate with existing PIMS schedules.

3.1. System Requirements

- Server
  - Cache version 5.0
  - Kernel version 8
  - PIMS version 5.3 patch 1012
  - VistA Scheduling Patch SD*5.3*679

3.2. Package-Wide Variables

There are no package-wide variables associated with the PIMS package.

3.3. Routines

Table 3: Routines and Description

<table>
<thead>
<tr>
<th>Routine</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDAM2</td>
<td>ALB/MJK - Appt Mgt (cont)</td>
</tr>
<tr>
<td>SDMWI1</td>
<td>ALB/MJK - Walk-Ins (cont.)</td>
</tr>
<tr>
<td>SDAPIAP</td>
<td>ALB/MJK - Outpatient API/Appointments</td>
</tr>
<tr>
<td>SDB</td>
<td>FLA/RF,BSN/GRR - SET UP A CLINIC</td>
</tr>
<tr>
<td>SDB1</td>
<td>ALB/GRR - SET UP A CLINIC</td>
</tr>
<tr>
<td>SDC</td>
<td>MAN/GRR,ALB/LDB - CANCEL A CLINIC'S AVAILABILITY</td>
</tr>
<tr>
<td>SDCNP0</td>
<td>ALB/LDB - CANCEL APPT. FOR A PATIENT</td>
</tr>
<tr>
<td>SDCNSLT</td>
<td>ALB/HAG - LINK APPOINTMENTS TO CONSULTS</td>
</tr>
<tr>
<td>SDCODEL</td>
<td>ALB/RMO,ESW - Delete - Check Out</td>
</tr>
<tr>
<td>SDEC</td>
<td>ALB/SAT - VISTA SCHEDULING RPCs modified for patch SD<em>5.3</em>679</td>
</tr>
<tr>
<td>SDEC01</td>
<td>ALB/SAT - VISTA SCHEDULING RPCs</td>
</tr>
<tr>
<td>SDEC01A</td>
<td>ALB/SAT - VISTA SCHEDULING RPCs</td>
</tr>
<tr>
<td>Routine</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>SDEC01B</td>
<td>ALB/SAT - VISTA SCHEDULING RPCs</td>
</tr>
<tr>
<td>SDEC02</td>
<td>ALB/SAT - VISTA SCHEDULING RPCs</td>
</tr>
<tr>
<td>SDEC03</td>
<td>ALB/SAT - VISTA SCHEDULING RPCs</td>
</tr>
<tr>
<td>SDEC04</td>
<td>ALB/SAT - VISTA SCHEDULING RPCs</td>
</tr>
<tr>
<td>SDEC05</td>
<td>ALB/SAT - VISTA SCHEDULING RPCs</td>
</tr>
<tr>
<td>SDEC06</td>
<td>ALB/SAT - VISTA SCHEDULING RPCs</td>
</tr>
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### 3.4. Files and Tables

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#### 3.4.1. File Access

#### Table 5: File Access

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Technical Manual

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### 3.5. VistA Scheduling GUI Cross References

#### 3.5.1. #44 – Hospital Location
File #44
Subfile #44.1

Traditional Cross-References:

**ADPR MUMPS WHOLE FILE (#44)**
Field: DEFAULT PROVIDER (44.1,.02)
1) S: X ^SC("ADPR",DA(1),DA)="
2) K ^SC("ADPR",DA(1),DA)

**AVADPR MUMPS WHOLE FILE (#44)**
Field: PROVIDER (44.1,.01)
Description: FINDS A PROVIDER'S CLINICS Cross-reference to easily find all clinics for a particular provider and if that provider is listed as default.
1) S ^SC("AVADPR",X,DA(1),DA)=$P(^SC(DA(1),"PR",DA,0),U,2)
2) K ^SC("AVADPR",X,DA(1),DA)

**B REGULAR**
Field: PROVIDER (44.1,.01)
1) S ^SC(DA(1),"PR","B",$E(X,1,30),DA)="
2) K ^SC(DA(1),"PR","B",$E(X,1,30),DA)

New-Style Indexes:

**AG (#1345) RECORD REGULAR IR SORTING ONLY**
Short Descr: Index by TYPE and NAME.
Description: This cross reference is used to sort by TYPE and NAME.
Set Logic: S ^SC("AG",X(1),X(2),DA)="
Kill Logic: K ^SC("AG",X(1),X(2),DA)
Whole Kill: K ^SC("AG")
X(1): TYPE (44,2) (Subscr 1) (forwards)
X(2): NAME (44,.01) (Subscr 2) (forwards)
3.5.2. #403.5 – Recall Reminders

N DEX AND CROSS-REFERENCE LIST -- FILE #403.5, FIELD #7.5  02/08/18  PAGE 1
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New-Style Indexes:

AC (#1346) RECORD REGULAR IR SORTING ONLY
Short Descr: Index by DATE/TIME RECALL ADDED and USER WHO ENTERED RECALL
Description: This cross reference is used to sort by DATE/TIME RECALL ADDED and USER WHO ENTERED RECALL.
Set Logic: S ^SD(403.5,"AC",X(1),X(2),DA)=""
Kill Logic: K ^SD(403.5,"AC",X(1),X(2),DA)
Whole Kill: K ^SD(403.5,"AC")
X(1): DATE/TIME RECALL ADDED (403.5,7.5) (Subscr 1) (forwards)
X(2): USER WHO ENTERED RECALL (403.5,7) (Subscr 2) (forwards)

3.5.3. #403.56 – Recall Reminders Removed

INDEX AND CROSS-REFERENCE LIST -- FILE #403.56, FIELD #7.5  02/08/18  PAGE 1
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New-Style Indexes:

AC (#1347) RECORD REGULAR IR SORTING ONLY
Short Descr: Index by DATE/TIME RECALL ADDED and USER WHO ENTERED RECALL
Description: This cross reference is used to sort by DATE/TIME RECALL ADDED and USER WHO ENTERED RECALL.
Set Logic: S ^SD(403.56,"AC",X(1),X(2),DA)=""
Kill Logic: K ^SD(403.56,"AC",X(1),X(2),DA)
Whole Kill: K ^SD(403.56,"AC")
X(1): DATE/TIME RECALL ADDED (403.56,7.5) (Subscr 1) (forwards)
X(2): USER WHO ENTERED RECALL (403.56,7) (Subscr 2) (forwards)

3.5.4. #409.3 – SD Wait List

INDEX AND CROSS-REFERENCE LIST -- FILE #409.3, FIELD #8.5  02/08/18  PAGE 1
-----------------------------------------------------------------------------------------------

Traditional Cross-References:
AE REGULAR
Field: WL SPECIFIC HOSPITAL LOCATION (409.3,8.5)
Description: This xref is used to find entries associated with a particular HOSPITAL LOCATION.
1) = S ^SDWL(409.3,"AE",$E(X,1,30),DA)=""
2) = K ^SDWL(409.3,"AE",$E(X,1,30),DA)

E MUMPS
Field: CURRENT STATUS (409.3,23)
Description: This xref is used to speed up the lookup of open or closed wait list entries for a given time range.
1) = S:$P(^SDWL(409.3,DA,0),U,2)'="" ^SDWL(409.3,"E",X,$P(^SDWL(409.3,DA,0),U,2),DA)=""
2) = K:$P(^SDWL(409.3,DA,0),U,2)'="" ^SDWL(409.3,"E",X,$P(^SDWL(409.3,DA,0),U,2),DA)

ETOO MUMPS
Field: ORIGINATING DATE (409.3,1)
Description: This xref actually updates the "E" xref for CURRENT STATUS in the event that the ORIGINATING DATE is changed. This xref is used to speed up the lookup of open or closed wait list entries for a given time range.
1) = S:$P(^SDWL(409.3,DA,0),U,17)'="" ^SDWL(409.3,"E",X,$P(^SDWL(409.3,DA,0),U,17),DA)=""

New-Style Indexes:
AD (#1349) RECORD REGULAR IR SORTING ONLY
Short Descr: Index by PATIENT and WL SPECIFIC HOSPITAL LOCATION
Description: This cross reference is used to sort by PATIENT and WL SPECIFIC HOSPITAL LOCATION.
Set Logic: S ^SDWL(409.3,"AD",X(1),X(2),DA)=""
Kill Logic: K ^SDWL(409.3,"AD",X(1),X(2),DA)
Whole Kill: K ^SDWL(409.3,"AD")
X(1): PATIENT (409.3,01) (Subscr 1) (forwards)
X(2): WL SPECIFIC HOSPITAL LOCATION (409.3,8.5) (Subscr 2) (forwards)
Subfile #409.345

Traditional Cross-References:

B REGULAR

Field: DATE EDITED (409.345,.01)

1) = S ^SDWL(409.3,DA(1),6,"B","E(X,1,30),DA=""
2) = K ^SDWL(409.3,DA(1),6,"B","E(X,1,30),DA)
New-Style Indexes:

GS (#1387) RECORD REGULAR IR LOOKUP & SORTING
Short Descr: SORT BY CLINIC STOP (SERVICES) ID AND ORIGINATING DATE
Description: This xref is used to sort/filter Wait List entries by the
CLINIC STOP id and the ORIGINATING DATE field (#1). The
CLINIC STOP id comes from the SD WL SERVICE/SPECIALTY file
(#409.31). The WL SERVICE/SPECIALTY field (#7) in the SD
WAIT LIST file (#409.3) contains the pointer to the SD WL
SERVICE/SPECIALTY file.
Set Logic: S ^SDWL(409.3,"GS",X(1),X(2),DA)=""
Kill Logic: K ^SDWL(409.3,"GS",X(1),X(2),DA)
Whole Kill: K ^SDWL(409.3,"GS")
X(1): Computed Code: S X=$P($G(^SDWL(409.31,+$P($G(^SDWL(409.3,DA
,0)),U,8),0)),U,1)
(Subscr 1) (forwards)
X(2): ORIGINATING DATE (409.3,1) (Subscr 2) (forwards)

GSP (#1389) RECORD REGULAR IR LOOKUP & SORTING
Short Descr: SORT BY CLINIC STOP (SERVICES) ID, ENROLLMENT PRIORITY, AND
ORIGINATING DATE
Description: This xref is used to sort Wait List entries by the CLINIC
STOP id, Patient’s ENROLLMENT PRIORITY, and the ORIGINATING
DATE field (#1). The CLINIC STOP id comes from the SD WL
SERVICE/SPECIALTY file (#409.31). The WL SERVICE/SPECIALTY
field (#7) in the SD WAIT LIST file (#409.3) contains the
pointer to the SD WL SERVICE/SPECIALTY file.
Set Logic: S ^SDWL(409.3,"GSP",X(1),X(2),X(3),DA)=""
Kill Logic: K ^SDWL(409.3,"GSP",X(1),X(2),X(3),DA)
Whole Kill: K ^SDWL(409.3,"GSP")
X(1): Computed Code: S X=$P($G(^SDWL(409.31,+$P($G(^SDWL(409.3,DA
,0)),U,8),0)),U,1)
(Subscr 1) (forwards)
X(2): Computed Code: N DFN,PCE S DFN=$P($G(^SDWL(409.3,DA,0)),U,1
),PCE=$P($G(^DPT(+DFN,"ENR")),U,1),X=+$P($G(^DGEN(27.11,+PC
E,0)),U,7)
(Subscr 2) (forwards)
X(3): ORIGINATING DATE (409.3,1) (Subscr 3) (forwards)

GSA (#1390) RECORD REGULAR IR LOOKUP & SORTING
Short Descr: SORT BY CLINIC STOP (SERVICES) ID, SVC CONNECTED, AND
ORIGINATING DATE
Description: This xref is used to sort Wait List entries by the CLINIC
STOP id, SERVICE CONNECTED, and the ORIGINATING DATE field
(#1). The WL SERVICE/SPECIALTY field (#7) in the SD WAIT
LIST file (#409.3) contains the pointer to the SD WL
SERVICE/SPECIALTY file. The CLINIC STOP id is in the
SERVICE/SPECIALTY field (#.01) of the SD WL
SERVICE/SPECIALTY file (#409.31) SERVICE CONNECTED is the
SERVICE CONNECTED? field (#.301) (a required field) in the
PATIENT file (#2).

Set Logic:  S ^SDWL(409.3,"GSA",X(1),X(2),X(3),DA)="

Kill Logic:  K ^SDWL(409.3,"GSA",X(1),X(2),X(3),DA)

Whole Kill:  K ^SDWL(409.3,"GSA")

X(1):  Computed Code:  S X=$P($G(^SDWL(409.31,$P($G(^SDWL(409.3,DA ,0)),U,8),0)),U,1)
         (Subscr 1)  (forwards)

X(2):  Computed Code:  S X=$P($G(^DPT(+$P($G(^SDWL(409.3,DA,0)),U,1 ),3)),U,1)
         (Subscr 2)  (forwards)

X(3):  ORIGINATING DATE (409.3,1)  (Subscr 3)  (forwards)

GSB (#1391)  RECORD  REGULAR  IR  LOOKUP & SORTING
Short Descr:  SORT BY CLINIC STOP (SVCS) ID, SVC CONNECTED PRIORITY, AND
ORIGINATING DATE

Description:  This xref is used to sort Wait List entries by the CLINIC
STOP id, SERVICE CONNECTED PRIORITY field (#15), and the
ORIGINATING DATE field (#1).  The WL SERVICE/SPECIALTY
field (#7) in the SD WAIT LIST file (#409.3) contains the
pointer to the SD WL SERVICE/SPECIALTY file. The CLINIC
STOP id is in the SERVICE/SPECIALTY field (#.01) of the SD
WL SERVICE/SPECIALTY file (#409.31).

Set Logic:  S ^SDWL(409.3,"GSB",X(1),X(2),X(3),DA)="

Kill Logic:  K ^SDWL(409.3,"GSB",X(1),X(2),X(3),DA)

Whole Kill:  K ^SDWL(409.3,"GSB")

X(1):  Computed Code:  S X=$P($G(^SDWL(409.32,$P($G(^SDWL(409.3,DA ,0)),U,9),0)),U,1)
         (Subscr 1)  (forwards)

         (Subscr 2)  (forwards)

X(3):  ORIGINATING DATE (409.3,1)  (Subscr 3)  (forwards)

GC (#1392)  FIELD  REGULAR  IR  LOOKUP & SORTING
Short Descr:  SORT BY CLINIC AND ORIGINATING DATE

Description:  This xref is used to sort Wait List entries by the Clinic
ID and the ORIGINATING DATE field (#1).  The Clinic ID
comes from the CLINIC field (#.01) of the SD WL CLINIC
LOCATION file (#409.32). The SD WL CLINIC LOCATION pointer
is in the WL SPECIFIC CLINIC field (#8) of the SD WAIT LIST
file (#409.3).

Set Logic:  S ^SDWL(409.3,"GC",X(1),X(2),DA)="

Kill Logic:  K ^SDWL(409.3,"GC",X(1),X(2),DA)

Whole Kill:  K ^SDWL(409.3,"GC")

X(1):  Computed Code:  S X=$P($G(^SDWL(409.32,$P($G(^SDWL(409.3,DA ,0)),U,9),0)),U,1)
         (Subscr 1)  (forwards)

X(2):  ORIGINATING DATE (409.3,1)  (Subscr 2)  (forwards)
GSC (#1388) RECORD REGULAR IR LOOKUP & SORTING  
Short Descr: SORT BY CLINIC STOP (SERVICES) ID AND CID/PREFERRED DATE  
Description: This xref is used to sort Wait List entries by the CLINIC STOP id and the CID/PREFERRED DATE field (#22). The CLINIC STOP id comes from the SD WL SERVICE/SPECIALTY file (#409.31). The WL SERVICE/SPECIALTY field (#7) in the SD WAIT LIST file (#409.3) contains the pointer to the SD WL SERVICE/SPECIALTY file.  
Set Logic: S ^SDWL(409.3,"GSC",X(1),X(2),DA)=""  
Kill Logic: K ^SDWL(409.3,"GSC",X(1),X(2),DA)  
Whole Kill: K ^SDWL(409.3,"GSC")  
X(1): Computed Code: S X=$P($G(^SDWL(409.31,+$P($G(^SDWL(409.3,DA,0)),U,8),0)),U,1)  
(Subscr 1) (forwards) 
X(2): DESIRED DATE OF APPOINTMENT (409.3,22) (Subscr 2) (forwards) 

GCC (#1393) FIELD REGULAR IR LOOKUP & SORTING  
Short Descr: SORT BY CLINIC ID AND CID/PREFERRED DATE  
Description: This xref is used to sort Wait List entries by the Clinic ID and the CID/PREFERRED DATE field (#22). The Clinic ID comes from the CLINIC field (#.01) of the SD WL CLINIC LOCATION file (#409.32). The SD WL CLINIC LOCATION pointer is in the WL SPECIFIC CLINIC field (#8) of the SD WAIT LIST file (#409.3).  
Set Logic: S ^SDWL(409.3,"GCC",X(1),X(2),DA)=""  
Kill Logic: K ^SDWL(409.3,"GCC",X(1),X(2),DA)  
Whole Kill: K ^SDWL(409.3,"GCC")  
X(1): Computed Code: S X=$P($G(^SDWL(409.32,+$P($G(^SDWL(409.3,DA,0)),U,9),0)),U,1)  
(Subscr 1) (forwards) 
X(2): DESIRED DATE OF APPOINTMENT (409.3,22) (Subscr 2) (forwards) 

3.5.5. #409.81 – SDEC Application
1) = S ^SDEC(409.81,"B",$E(X,1,30),DA)="
2) = K ^SDEC(409.81,"B",$E(X,1,30),DA)

3.5.6.  #409.822 – SDEC Access Group

3.5.7.  #409.823 – SDEC Access Type
### 3.5.8. #409.824 – SDEC Access Group Type

**TRADITIONAL CROSS-REFERENCE LIST -- FILE #409.824**

File #409.824

Traditional Cross-References:

**B REGULAR**

Field: ACCESS GROUP (409.824,.01)

1) = S `SDEC(409.824,"B",$E(X,1,30),DA)=""
2) = K `SDEC(409.824,"B",$E(X,1,30),DA)

### 3.5.9. #409.831 – SDEC Resource

**INDEX AND CROSS-REFERENCE LIST -- FILE #409.831**

File #409.831

Traditional Cross-References:

**ALOC REGULAR**

Field: HOSPITAL LOCATION (409.831,.04)

Description: This "ALOC" xref is used to look up an SDEC RESOURCE record using a HOSPITAL LOCATION id.

1) = S `SDEC(409.831,"ALOC","E(X,1,30),DA)=""
2) = K `SDEC(409.831,"ALOC","E(X,1,30),DA)

**B REGULAR**

Field: RESOURCE (409.831,.01)

1) = S `SDEC(409.831,"B","E(X,1,30),DA)=""
2) = K `SDEC(409.831,"B","E(X,1,30),DA)

**C REGULAR**

Field: ABBREVIATION (409.831,.011)

Description: This xref is used to lookup REsources using an abbreviation.
New-Style Indexes:

AC (#1356) FIELD REGULAR IR SORTING ONLY
  Short Descr: Index of RESOURCE TYPE
  Description: This cross-reference is built from both pieces of the
    RESOURCE TYPE variable pointer field to speed up the
    sorting of resources when given a specific source and ID.
    The sources could be HOSPITAL LOCATION, NEW PERSON, or SDEC
    ADDITIONAL RESOURCE.
  Set Logic: S ^SDEC(409.831,"AC",X(1),X(2),DA)=""
  Kill Logic: K ^SDEC(409.831,"AC",X(1),X(2),DA)
  Whole Kill: K ^SDEC(409.831,"AC")
  X(1): RESOURCE TYPE (409.831,.012) (Subscr 1) (forwards)
    Transform (Storage): S X=$E($$OT1^SDEC03(X),1)
  X(2): RESOURCE TYPE (409.831,.012) (Subscr 2) (forwards)
    Transform (Storage): S X=$P(X,";",1)

Subfile #409.8312001

Traditional Cross-References:

ASSOC REGULAR WHOLE FILE (#409.831)
  Field: ASSOCIATED VISTA CLINICS (409.8312001,.01)
  Description: This "ASSOC" xref is used to find a SDEC RESOURCE record
    using a HOSPITAL LOCATION id that was used in the
    ASSOCIATED VISTA CLINICS multiple.
  1)= S ^SDEC(409.831,"ASSOC","E(X,1,30),DA(1),DA)=""
  2)= K ^SDEC(409.831,"ASSOC","E(X,1,30),DA(1),DA)

B REGULAR
  Field: ASSOCIATED VISTA CLINICS (409.8312001,.01)
  1)= S ^SDEC(409.831,DA(1),20,"B","E(X,1,30),DA)=""
  2)= K ^SDEC(409.831,DA(1),20,"B","E(X,1,30),DA)

3.5.10. #409.832 – SDEC Resource Group
INDEX AND CROSS-REFERENCE LIST -- FILE #409.832  02/08/18  PAGE 1

File #409.832
Traditional Cross-References:

B REGULAR
Field: NAME (409.832,.01)
1) = S ^SDEC(409.832,"B",$E(X,1,30),DA)="
2) = K ^SDEC(409.832,"B",$E(X,1,30),DA)

Subfile #409.8321

Traditional Cross-References:

AB REGULAR WHOLE FILE (#409.832)
Field: RESOURCE (409.8321,.01)
Description: This "AB" xref is used to find a SDEC RESOURCE GROUP record using a SDEC RESOURCE id.
1) = S ^SDEC(409.832,"AB",$E(X,1,30),DA(1),DA)="
2) = K ^SDEC(409.832,"AB",$E(X,1,30),DA(1),DA)

B REGULAR
Field: RESOURCE (409.8321,.01)
1) = S ^SDEC(409.832,DA(1),1,"B",$E(X,1,30),DA)="
2) = K ^SDEC(409.832,DA(1),1,"B",$E(X,1,30),DA)

3.5.11. #409.833 – SDEC Resource User

INDEX AND CROSS-REFERENCE LIST -- FILE #409.833 02/08/18 PAGE 1

File #409.833

Traditional Cross-References:
AC REGULAR

Field: USERNAME (409.833,.02)
Description: This AC xref is used to look up the SDEC RESOURCE USER record using the given User (NEW PERSON).
1) $S^SDEC(409.833,"AC",SE(X,1,30),DA)=""$
2) $K^SDEC(409.833,"AC",SE(X,1,30),DA)$

B REGULAR

Field: RESOURCENAME (409.833,.01)
1) $S^SDEC(409.833,"B",SE(X,1,30),DA)=""$
2) $K^SDEC(409.833,"B",SE(X,1,30),DA)$

New-Style Indexes:

AD (#1351) RECORD REGULAR IR SORTING ONLY
Short Descr: Index by RESOURCENAME and USERNAME.
Description: This cross reference is used to sort by RESOURCENAME and USERNAME.
Set Logic: $S^SDEC(409.833,"AD",X(1),X(2),DA)=""$
Kill Logic: $K^SDEC(409.833,"AD",X(1),X(2),DA)$
Whole Kill: $K^SDEC(409.833,"AD")$
   X(1): RESOURCENAME (409.833,.01) (Subscr 1) (forwards)
   X(2): USERNAME (409.833,.02) (Subscr 2) (forwards)

3.5.12. #409.834 – SDEC Additional Resource
Traditional Cross-References:

**B** REGULAR

Field: NAME (409.834,01)

1) $\text{S}^\text{SDEC}(409.834,"B",\text{E}(X,1,30),\text{DA})="$

2) $\text{K}^\text{SDEC}(409.834,"B",\text{E}(X,1,30),\text{DA})$

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**3.5.13. #409.84 – SDEC Appointment**

INDEX AND CROSS-REFERENCE LIST -- FILE #409.84 02/08/18 PAGE 1

File #409.84

Traditional Cross-References:

**AC** REGULAR

Field: DATE APPT MADE (409.84,09)

Description: This cross-reference is used to sort SDEC APPOINTMENT entries by the DATE APPOINTMENT MADE field.

1) $\text{S}^\text{SDEC}(409.84,"AC",\text{E}(X,1,30),\text{DA})="$

2) $\text{K}^\text{SDEC}(409.84,"AC",\text{E}(X,1,30),\text{DA})$

**AD** REGULAR

Field: CANCEL DATETIME (409.84,12)

Description: This cross-reference is used to sort SDEC APPOINTMENT entries by the CANCEL DATETIME field.

1) $\text{S}^\text{SDEC}(409.84,"AD",\text{E}(X,1,30),\text{DA})="$

2) $\text{K}^\text{SDEC}(409.84,"AD",\text{E}(X,1,30),\text{DA})$

**AEX** REGULAR

Field: EXTERNAL ID (409.84,21)

Description: Used to lookup the SDEC APPOINTMENT ien using the external
ID.

1) = S ^SDEC(409.84,"AEX",$E(X,1,30),DA)=""
2) = K ^SDEC(409.84,"AEX",$E(X,1,30),DA)

ARSRC MUMPS

Field: RESOURCE (409.84,.07)

Description: This index is used to find all appointments for a given resource during a given time period.

1) = D XR2S^SDEC03(DA)
2) = D XR2K^SDEC03(DA)

B REGULAR

Field: STARTTIME (409.84,.01)

1) = S ^SDEC(409.84,"B",$E(X,1,30),DA)=""
2) = K ^SDEC(409.84,"B",$E(X,1,30),DA)

CPAT REGULAR

Field: PATIENT (409.84,.05)

Description: This xref is used to look up appointments by Patient.

1) = S ^SDEC(409.84,"CPAT",$E(X,1,30),DA)=""
2) = K ^SDEC(409.84,"CPAT",$E(X,1,30),DA)

3.5.14. #409.845 – SDEC Preferences and Special Needs

INDEX AND CROSS-REFERENCE LIST -- FILE #409.845 02/08/18 PAGE 1
1) = S ^SDEC(409.845,"B",$E(X,1,30),DA)="
2) = K ^SDEC(409.845,"B",$E(X,1,30),DA)

Subfile #409.8451

Traditional Cross-References:

B REGULAR
Field: PREFERENCE (409.8451,.01)
1) = S ^SDEC(409.845,DA(1),1,"B",$E(X,1,30),DA)="
2) = K ^SDEC(409.845,DA(1),1,"B",$E(X,1,30),DA)

3.5.15. #409.85 – SDEC APPT Request

INDEX AND CROSS-REFERENCE LIST -- FILE #409.85 02/08/18 PAGE 1

File #409.85

Traditional Cross-References:

B REGULAR
Field: PATIENT (409.85,.01)
1) = S ^SDEC(409.85,"B",$E(X,1,30),DA)="
2) = K ^SDEC(409.85,"B",$E(X,1,30),DA)

C REGULAR
Field: INSTITUTION (409.85,2)
Description: This xref is used to speed up the lookup of Appointment Requests by INSTITUTION.
1) = S ^SDEC(409.85,"C",$E(X,1,30),DA)="
2) = K ^SDEC(409.85,"C",$E(X,1,30),DA)
SC  MUMPS

Field:  REQ SPECIFIC CLINIC  (409.85,8)
Description:  Sort and Lookup Appointment Request by Clinic name.
1)= I $D(X) S ^SDEC(409.85,"SC",SP(^SC(X,0),U,1),DA)="
2)= K ^SDEC(409.85,"SC",SP(^SC(X,0),U,1),DA)

SCC  MUMPS

Field:  REQ SPECIFIC CLINIC  (409.85,8)
Description:  Sort/Lookup Appointment Request by Specific Clinic.
1)= I $D(X) S ^SDEC(409.85,"SCC",SP(^SDEC(409.85,DA,0),U,1),X,DA)="
2)= K ^SDEC(409.85,"SCC",SP(^SDEC(409.85,DA,0),U,1),X,DA)

New-Style Indexes:

AC (#1353)  RECORD  REGULAR  IR  SORTING ONLY
Short Descr:  Index by CREATE DATE and ORIGINATING USER
Description:  This cross reference is used to sort by CREATE DATE and
ORIGINATING USER.
Set Logic:  S ^SDEC(409.85,"AC",X(1),X(2),DA)="
Kill Logic:  K ^SDEC(409.85,"AC",X(1),X(2),DA)
Whole Kill:  K ^SDEC(409.85,"AC")
X(1):  DATE/TIME ENTERED  (409.85,9.5)  (Subscr 1)  (forwards)
X(2):  ORIGINATING USER  (409.85,9)  (Subscr 2)  (forwards)

E (#1352)  RECORD  REGULAR  IR  SORTING ONLY
Short Descr:  Index by CURRENT STATUS and CREATE DATE.
Description:  This cross reference is used to sort by CURRENT STATUS and
CREATE DATE.
Set Logic:  S ^SDEC(409.85,"E",X(1),X(2),DA)="
Kill Logic:  K ^SDEC(409.85,"E",X(1),X(2),DA)
Whole Kill:  K ^SDEC(409.85,"E")
GC (#1385) RECORD REGULAR IR LOOKUP & SORTING
Short Descr: SORT BY CLINIC AND ORIGINATING DATE
Description: This xref is used to sort Appointment Request entries by
the REQ SPECIFIC CLINIC field (#8) and the CREATE DATE field (#1).
Set Logic: S ^SDEC(409.85,"GC",X(1),X(2),DA)=""
Kill Logic: K ^SDEC(409.85,"GC",X(1),X(2),DA)
Whole Kill: K ^SDEC(409.85,"GC")
X(1): REQ SPECIFIC CLINIC (409.85,8) (Subscr 1) (forwards)
X(2): CREATE DATE (409.85,1) (Subscr 2) (forwards)

GCC (#1386) RECORD REGULAR IR LOOKUP & SORTING
Short Descr: SORT BY CLINIC AND CID/PREFERRED DATE
Description: This xref is used to sort Appointment Request entries by
the REQ SPECIFIC CLINIC field (#8) and the CID PREFERRED DATE OF APPT field (#22).
Set Logic: S ^SDEC(409.85,"GCC",X(1),X(2),DA)=""
Kill Logic: K ^SDEC(409.85,"GCC",X(1),X(2),DA)
Whole Kill: K ^SDEC(409.85,"GCC")
X(1): REQ SPECIFIC CLINIC (409.85,8) (Subscr 1) (forwards)
X(2): CID/PREFERRED DATE OF APPT (409.85,22) (Subscr 2)
(forwards)

GS (#1380) RECORD REGULAR IR LOOKUP & SORTING
Short Descr: SORT BY REQ SERVICE/SPECIALTY ID AND ORIGINATING DATE
Description: This xref is used to sort Appointment Request entries by
the REQ SERVICE/SPECIALTY field (#8.5) and the CREATE DATE field (#1).
Set Logic: S ^SDEC(409.85,"GS",X(1),X(2),DA)=""
Kill Logic: K ^SDEC(409.85,"GS",X(1),X(2),DA)
Whole Kill: K \textasciicircum SDEC(409.85,"GS")

X(1): REQ SERVICE/SPECIALTY (409.85,8.5) (Subscr 1) (forwards)
X(2): CREATE DATE (409.85,1) (Subscr 2) (forwards)

GSA (#1383) RECORD REGULAR IR LOOKUP & SORTING
Short Descr: SORT BY REQ SERVICE/SPECIALTY, SVC CONNECTED, AND CREATE DATE
Description: This xref is used to sort Appointment Request entries by
the REQ SERVICE/SPECIALTY field (#8.5), SERVICE CONNECTED,
and the CREATE DATE field (#1). SERVICE CONNECTED is the
SERVICE CONNECTED? field (#.301) in the PATIENT file (#2).
Set Logic: S \textasciicircum SDEC(409.85,"GSA",X(1),X(2),X(3),DA)="
Kill Logic: K \textasciicircum SDEC(409.85,"GSA",X(1),X(2),X(3),DA)
Whole Kill: K \textasciicircum SDEC(409.85,"GSA")

X(1): REQ SERVICE/SPECIALTY (409.85,8.5) (Subscr 1) (forwards)
X(2): SERVICE CONNECTED PRIORITY (409.85,15) (Subscr 2)
(forwards)
X(3): CREATE DATE (409.85,1) (Subscr 3) (forwards)

GSB (#1384) RECORD REGULAR IR LOOKUP & SORTING
Short Descr: SORT BY REQ SERVICE/SPECIALTY, SVC CONNECTED PRIORITY, 
AND CREATE DATE
Description: This xref is used to sort Appointment Request entries by
the REQ SERVICE/SPECIALTY field (#8.5), SERVICE CONNECTED
PRIORITY field (#15), and the CREATE DATE field (#1).
Set Logic: S \textasciicircum SDEC(409.85,"GSB",X(1),X(2),X(3),DA)="
Kill Logic: K \textasciicircum SDEC(409.85,"GSB",X(1),X(2),X(3),DA)
Whole Kill: K \textasciicircum SDEC(409.85,"GSB")

X(1): REQ SERVICE/SPECIALTY (409.85,8.5) (Subscr 1) (forwards)
X(2): SERVICE CONNECTED PRIORITY (409.85,15) (Subscr 2)
(forwards)
X(3): CREATE DATE (409.85,1) (Subscr 3) (forwards)
GSC (#1381) RECORD REGULAR IR LOOKUP & SORTING

Short Descr:  SORT BY REQ SERVICE/SPECIALTY ID AND CID/PREFERRED DATE OF APPT

Description:  This xref is used to sort Appointment Request entries by
the REQ SERVICE/SPECIALTY field (#8.5) and the
CID/PREFERRED DATE OF APPT field (#22).

Set Logic:  S ^SDEC(409.85,"GSC",X(1),X(2),DA)="
Kill Logic:  K ^SDEC(409.85,"GSC",X(1),X(2),DA)
Whole Kill:  K ^SDEC(409.85,"GSC")

X(1):  REQ SERVICE/SPECIALTY  (409.85,8.5)  (Subscr 1)  (forwards)
X(2):  CID/PREFERRED DATE OF APPT  (409.85,22)  (Subscr 2)
(forwards)

GSP (#1382) RECORD REGULAR IR LOOKUP & SORTING

Short Descr:  SORT BY REQ SERVICE/SPECIALTY, ENROLLMENT PRIORITY, AND
CREATE DATE

Description:  This xref is used to sort Appointment Request entries by
the REQ SERVICE/SPECIALTY field (#8.5), Patient's
ENROLLMENT PRIORITY, and the CREATE DATE field (#1). The
Patient's ENROLLMENT PRIORITY comes from the ENROLLMENT
PRIORITY field (#.07) of the PATIENT ENROLLMENT file
(#27.11). The CURRENT ENROLLMENT field (#27.01) of the
PATIENT file (#2) contains the pointer into the PATIENT
ENROLLMENT FILE.

Set Logic:  S ^SDEC(409.85,"GSP",X(1),X(2),X(3),DA)="
Kill Logic:  K ^SDEC(409.85,"GSP",X(1),X(2),X(3),DA)
Whole Kill:  K ^SDEC(409.85,"GSP")

X(1):  REQ SERVICE/SPECIALTY  (409.85,8.5)  (Subscr 1)  (forwards)
X(2):  Computed Code: N DFN,PCE S DFN=$P($G(^SDEC(409.85,DA,0)),U,1),PCE=$P($G(^DPT(+DFN,"ENR")),U,1),X=+$P($G(^DGEN(27.11,+PCE,0)),U,7)
(Subscr 2)  (forwards)
X(3): CREATE DATE (409.85,1) (Subscr 3) (forwards)

Subfile #409.851

Traditional Cross-References:

B REGULAR

Field: MRTC CALC PREF DATES (409.851,01)
1) S ^SDEC(409.85,DA(1),5,"B",$E(X,1,30),DA)="
2) K ^SDEC(409.85,DA(1),5,"B",$E(X,1,30),DA)

Subfile #409.852

Traditional Cross-References:

B REGULAR

Field: CHILD REQUEST (409.852,01)
1) S ^SDEC(409.85,DA(1),2,"B",$E(X,1,30),DA)="
2) K ^SDEC(409.85,DA(1),2,"B",$E(X,1,30),DA)

Subfile #409.8544

Traditional Cross-References:

B REGULAR

Field: DATE ENTERED (409.8544,01)
1) S ^SDEC(409.85,DA(1),4,"B",$E(X,1,30),DA)="
2) K ^SDEC(409.85,DA(1),4,"B",$E(X,1,30),DA)

New-Style Indexes:

AD (#1357) RECORD REGULAR IR SORTING ONLY WHOLE FILE (#409.85)

Short Descr: Sort by DATE ENTERED and ENTERED BY USER of PATIENT
CONTACTS
Description: This cross reference sorts the whole SDEC APPT REQUEST file by the DATE ENTERED and ENTERED BY USER of the PATIENT CONTACTS multiple field #44.

Set Logic: S ^SDEC(409.85,"AD",X(1),X(2),DA(1),DA)=""
Kill Logic: K ^SDEC(409.85,"AD",X(1),X(2),DA(1),DA)
Whole Kill: K ^SDEC(409.85,"AD")

X(1): DATE ENTERED (409.8544,.01) (Subscr 1) (forwards)
X(2): ENTERED BY USER (409.8544,2) (Subscr 2) (forwards)

Subfile #409.8545

Traditional Cross-References:

B REGULAR

Field: DATE EDITED (409.8545,.01)
   1)= S ^SDEC(409.85,DA(1),6,"B",$E(X,1,30),DA)=""
   2)= K ^SDEC(409.85,DA(1),6,"B",$E(X,1,30),DA)

Subfile #409.8548

Traditional Cross-References:

B REGULAR

Field: PREREQUISITE (409.8548,.01)
   1)= S ^SDEC(409.85,DA(1),8,"B",$E(X,1,30),DA)=""
   2)= K ^SDEC(409.85,DA(1),8,"B",$E(X,1,30),DA)

3.5.16. #409.3 – SD Wait List

INDEX AND CROSS-REFERENCE LIST -- FILE #409.3               02/08/18    PAGE 1
Traditional Cross-References:

B REGULAR

Field: DATE EDITED (409.345,.01)

1) = S ^SDWL(409.3,DA(1),6,"B",$E(X,1,30),DA)="

2) = K ^SDWL(409.3,DA(1),6,"B",$E(X,1,30),DA)
3.6. Table File

3.6.1. #403.5 – RECALL REMINDERS FILE

STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE

FEB 7, 2018@13:58:05 PAGE 1

STORED IN ^SD(403.5, (18326 ENTRIES) SITE: TEST.CHEYENNE.MED.VA.GOV UCI:
CHEYL134,ROU (VERSION 5.3)

DATA          NAME                  GLOBAL        DATA
ELEMENT       TITLE                 LOCATION      TYPE
-- --------------------------------------------------------------

This file contains records for all active Recall Reminders. Once a patient has
called to make an appointment, the entry is then moved from this file to RECALL
REMINDERS REMOVED file. Patients should not be entered into this file when
their future appointment is less than 30 days. The records are maintained by
Recall Date and patient name.

DD ACCESS: @
RD ACCESS:
WR ACCESS:
DEL ACCESS: @
LAYGO ACCESS: @
AUDIT ACCESS: @

(NOTE: Kernel's File Access Security has been installed in this UCI.)

IDENTIFIED BY: CLINIC (#4.5)[R], RECALL DATE (#5)[R]

POINTED TO BY: APPT REQUEST TYPE field (#.22) of the SDEC APPOINTMENT File
(#409.84)
CROSS
REFERENCED BY: PATIENT NAME(B), PROVIDER(C), RECALL DATE(D), CLINIC(E)

INDEXED BY: PATIENT NAME (A66201), DATE/TIME RECALL ADDED & USER WHO ENTERED RECALL (AC)

403.5,.01 PATIENT NAME 0;1 POINTER TO PATIENT FILE (#2)
(Required)

LAST EDITED: JUL 15, 2008
HELP-PROMPT: Enter the name of the Patient you wish to enter a Recall for.
DESCRIPTION: Recall Reminder patient name this is a pointer to the patient file #2.

CROSS-REFERENCE: 403.5^B
1)= S ^SD(403.5,"B",$E(X,1,30),DA)=""
2)= K ^SD(403.5,"B",$E(X,1,30),DA)
Used for checking to see if the patient is in the Recall file and display recall information before a new entry is made.

FIELD INDEX: A66201 (#838) MUMPS IR ACTION
Short Descr: Save copy of record before deletion.
Description: Before deleting a record from this file, save a copy of it in file 403.56. Deletion can be either because a clerk deletes a patient from the recall list, or because a patient has been given an appointment in a clinic requested by
the recall list and therefore is deleted by the nightly job. We save this information so that we can look back at appointments given to patients and see how timely the appointments were.

Set Logic: Q
Kill Logic: D DELETE^SDRRISRU
Kill Cond: S X=(X1=""&X2="")
  X(1): PATIENT NAME (403.5..01) (forwards)

403.5,2 ACCESSION#  0;3 FREE TEXT

INPUT TRANSFORM: K:$L(X)>25!(L(X)<1) X
LAST EDITED: JUL 15, 2008
HELP-PROMPT: Answer must be 1-25 characters in length.
DESCRIPTION: This is the lab order number or the lab accession number if known.

403.5,2.5 COMMENT  0;7 FREE TEXT (audited)

INPUT TRANSFORM: K:$L(X)>80!(L(X)<1) X
LAST EDITED: NOV 02, 2016
HELP-PROMPT: Answer must be 1-80 characters in length.
DESCRIPTION: Comments needed for this recall entry.

AUDIT: YES, ALWAYS

403.5,2.6 FAST/NON-FASTING  0;8 SET (audited)

'f' FOR FASTING;
'n' FOR NON-FASTING;

LAST EDITED: NOV 02, 2016

HELP-PROMPT: Are the labs Fasting or Non-Fasting? leave blank if no labs have been ordered.

DESCRIPTION: If the patient has had lab tests ordered for this recall visit, select either Fasting or Non-Fasting labs. If the patient has no labs orders leave blank.

AUDIT: YES, ALWAYS

403.5,3 TEST/APP. 0;4 POINTER TO RECALL REMINDERS APPT TYPE FILE (#403.51) (Required) (audited)

LAST EDITED: NOV 02, 2016

HELP-PROMPT: Select the type of Recall visit

DESCRIPTION: This is the type of Recall Visit that is assigned for this entry.

AUDIT: YES, ALWAYS

403.5,4 PROVIDER 0;5 POINTER TO RECALL REMINDERS PROVIDERS FILE (#403.54) (Required) (audited)

LAST EDITED: NOV 02, 2016

HELP-PROMPT: Select the provider for this Recall entry.

DESCRIPTION: The provider who is assigned for this Recall entry.

AUDIT: YES, ALWAYS

CROSS-REFERENCE: 403.5^C

1)= S ^SD(403.5,"C","E(X,1,30),DA=""

2)= K ^SD(403.5,"C","E(X,1,30),DA)

Used for printing of the cards/letter and reports by Provider or Recall Team.
403.5,4.5  CLINIC       0;2 POINTER TO HOSPITAL LOCATION FILE (#44)
(Required) (audited)

LAST EDITED:  NOV 02, 2016
HELP-PROMPT:  Select the clinic that this Recall will be
               linked to.
DESCRIPTION:  This is the Hospital Location which this
               patient will have the Recall entry assigned.

AUDIT:        YES, ALWAYS
CROSS-REFERENCE:  403.5^E

1) S ^SD(403.5,"E",$E(X,1,30),DA)=""
2) K ^SD(403.5,"E",$E(X,1,30),DA)
   Used during the display of Recall information
   and for selecting the printing of
   cards/letters, Also, used in selecting reports
   printed by Recall clinic.

403.5,4.7  LENGTH OF APPT.      0;9 NUMBER (audited)

INPUT TRANSFORM:  K:+X'=X!(X>120)!(X<10)!(X?.E1".1N.N) X
LAST EDITED:  NOV 02, 2016
HELP-PROMPT:  Type a Number between 10 and 120, 0 Decimal
               Digits
DESCRIPTION:  The length of appointment (in minutes) that
               will be required once scheduled.

AUDIT:        YES, ALWAYS
403.5,5  RECALL DATE  0:6 DATE (Required)

INPUT TRANSFORM:  S %DT="EFX",%DT(0)=$$FMADD^XLFDT(DT,1) D ^%DT
K %DT(0) S X=Y K:Y<1 X

LAST EDITED:  JAN 14, 2016

HELP-PROMPT:  Enter the Recall Date that the provider has requested for this patient.

DESCRIPTION:  Recall Date is a date the provider has requested the patient to return. This must be a future exact date.

UNEDITABLE

NOTES:  XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

CROSS-REFERENCE:  403.5^D

1)= S ^SD(403.5,"D","$E(X,1,30),DA=""
2)= K ^SD(403.5,"D","$E(X,1,30),DA)

Used in selecting a date range for printing Recall cards/letters and in all Recall reports.

CROSS-REFERENCE:  ^^TRIGGER^403.5^7

1)= K DIV S DIV=X,D0=DA,DIV(0)=D0 S Y(1)=$S($D(^
^SD(403.5,D0,0)):^(0),1:"" ) S X=$P(Y(1),U,11),X
 =X S DIV=X K Y S X=DIV S X=DUZ S DIH=$G(^SD(403
.5,DIV(0),0)),DIV=X S $P(^(0),U,11)=DIV,DIH=403
.5,DIG=7 D ^DICR

2)= Q

CREATE VALUE)= S X=DUZ
DELETE VALUE) = NO EFFECT
FIELD) = #7
Used to update USER THAT ENTER RECALL field #7

403.5,5.5 RECALL DATE (PER PATIENT) 0;12 DATE

INPUT TRANSFORM: S %DT="EFX",%DT(0)=%$FMADD^XLFDT(DT,1) D ^%DT
K %DT(0) S X=Y K:Y<1 X

LAST EDITED: JAN 14, 2016
HELP-PROMPT: Enter the Date that the patient is requesting
for their Recall Visit.
DESCRIPTION: This is the Recall Date that the patient is
requesting. It can be different from the Recall
Date, which is what the Provider has requested.

This must be a future exact date.

UNEDITABLE
NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

403.5,6 DATE REMINDER SENT 0;10 DATE

INPUT TRANSFORM: S %DT="E" D ^%DT S X=Y K:Y<1 X

LAST EDITED: JUL 15, 2008
HELP-PROMPT: Date letter/card first printed.
DESCRIPTION: This is the date that the first letter/card was printed and sent to the
Veteran.

403.5,7 USER WHO ENTERED RECALL 0;11 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: APR 03, 2015
HELP-PROMPT: New person who entered or edited Recall entry
DESCRIPTION: User who enter or edit a Recall entry.

NOTES: TRIGGERED by the RECALL DATE field of the
RECALL REMINDERS File

RECORD INDEXES: AC (#1656)

403.5,7.5 DATE/TIME RECALL ADDED 0;14 DATE

INPUT TRANSFORM: S %DT="ET" D ^%DT S X=Y K:(Y<1)!((X>$E($$NOW^XLF DT,1,12)) X

LAST EDITED: JAN 14, 2016
HELP-PROMPT: Enter a date and time not in the future
DESCRIPTION: Date and Time this recall reminder was added. Cannot be in the future.

UNEDITABLE
NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

RECORD INDEXES: AC (#1656)

403.5,8 SECOND PRINT 0;13 DATE

INPUT TRANSFORM: S %DT="E" D ^%DT S X=Y K:Y<1 X

LAST EDITED: JUL 15, 2008
HELP-PROMPT: Date for second printing of card or letter
DESCRIPTION: This is the date that the second letter/card was printed and sent.

3.6.2. #403.56 – RECALL REMINDERS REMOVED

STANDARD DATA DICTIONARY #403.56 -- RECALL REMINDERS REMOVED FILE
FEB 7,2018@13:58:29 PAGE 1
This file holds records deleted from the RECALL REMINDERS [#403.5] file, whether deleted by the user or because they were given appointments.

**DATA NAME GLOBAL DATA**

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>TITLE</th>
<th>LOCATION</th>
<th>TYPE</th>
</tr>
</thead>
</table>

**DD ACCESS: @**

**RD ACCESS:**

**WR ACCESS:**

**DEL ACCESS: @**

**LAYGO ACCESS: @**

**AUDIT ACCESS: @**

(NOTE: Kernel's File Access Security has been installed in this UCI.)

**CROSS REFERENCED BY: PATIENT NAME(B), RECALL DATE(C)**

**INDEXED BY:** DATE/TIME RECALL ADDED & USER WHO ENTERED RECALL (AC), CLINIC & RECALL DATE (D)

**403.56,.01 PATIENT NAME 0;1 POINTER TO PATIENT FILE (#2)**

(Required)

**LAST EDITED:** JUL 17, 2008

**HELP-PROMPT:** Select Recall Reminder patient.

**DESCRIPTION:** Recall Reminder Patient who has been removed from the Recall Reminder file.
CROSS-REFERENCE: 403.56^B
1) $S ^{SD}(403.56,\"B\",\$E(X,1,30),DA)=\"\"
2) $K ^{SD}(403.56,\"B\",\$E(X,1,30),DA)

Look up by Recall patient name.

403.56,2 ACCESSION # 0;3 FREE TEXT

INPUT TRANSFORM: $K:\$L(X)>25!(\$L(X)<1) X
LAST EDITED: JUL 15, 2008
HELP-PROMPT: Answer must be 1-25 characters in length.
DESCRIPTION: Lab order number or accession number moved from the Recall File.

403.56,2.5 COMMENT 0;7 FREE TEXT

INPUT TRANSFORM: $K:\$L(X)>80!(\$L(X)<1) X
LAST EDITED: JUL 15, 2008
HELP-PROMPT: Answer must be 1-80 characters in length.
DESCRIPTION: Comments that have been moved from the Recall Reminder File.

403.56,2.6 FAST / NON-FASTING 0;8 SET
'f' FOR FASTING;
'n' FOR NON-FASTING;
LAST EDITED: JUL 15, 2008
HELP-PROMPT: Either f - fasting, n - non fasting or blank for no labs
DESCRIPTION: Fasting and Non fasting information moved from the Recall Reminder file.

403.56,3 TEST/APP 0;4 POINTER TO RECALL REMINDERS APPT TYPE FILE (#403.51)
HELP-PROMPT: Select from the available list of Test/App types
DESCRIPTION: This is the type of Recall Visit that is assigned for this entry and has been moved from the Recall Reminder file.

403.56,4 PROVIDER 0;5 POINTER TO RECALL REMINDERS PROVIDERS FILE (#403.54)

HELP-PROMPT: Select from the available list of Recall Providers
DESCRIPTION: The provider who is assigned for this Recall entry.

403.56,4.5 CLINIC 0;2 POINTER TO HOSPITAL LOCATION FILE (#44)

HELP-PROMPT: Select the clinic at which the patient had the recall entry.
DESCRIPTION: Select from the Hospital Location for this Recall entry.

RECORD INDEXES: D (#839)

403.56,4.7 LENGTH OF APPT. 0;9 NUMBER

INPUT TRANSFORM: K:+X'=X!(X>120)!((X<10)!(X?.E1".1N.N) X
LAST EDITED: JUL 15, 2008
HELP-PROMPT: Type a Number between 10 and 120, 0 Decimal Digits
DESCRIPTION: The length of appointment that will be required once scheduled.

403.56,5 RECALL DATE 0;6 DATE

INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y<1 X
LAST EDITED: APR 27, 2015
HELP-PROMPT: Enter the appt date requested by the Provider.
DESCRIPTION: Recall date moved from Recall Reminder file once the patient had been removed.
look up by Recall date for entries no longer active.

RECORD INDEXES:  D (#839)

403.56,6   DATE REMINDER SENT  0;10 DATE

INPUT TRANSFORM:  S %DT="E" D ^%DT S X=Y K:Y<1 X
LAST EDITED:  JUL 17, 2008
HELP-PROMPT:  Enter the date the Recall card or letter was printed and sent.
DESCRIPTION:  Date the reminder was sent to the patient.

403.56,7   USER WHO ENTERED RECALL 0;11 POINTER TO NEW PERSON FILE (#200)

LAST EDITED:  APR 03, 2015
HELP-PROMPT:  Select user who last entered or edited the recall entry.
DESCRIPTION:  The person who entered or edited Recall entry.
RECORD INDEXES:  AC (#1657)

403.56,7.5   DATE/TIME RECALL ADDED 0;12 DATE

INPUT TRANSFORM:  S %DT="ET" D ^%DT S X=Y K:Y<1 X
LAST EDITED:  APR 03, 2015
HELP-PROMPT:  Enter a date and time
DESCRIPTION:  Date and time this recall reminder was added.
RECORD INDEXES:  AC (#1657)

403.56,101   APPT DATE  1;1 DATE
INPUT TRANSFORM:  S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED:    JUL 17, 2008
HELP-PROMPT: Enter date of scheduled appointment.
DESCRIPTION: If the patient was deleted from the recall list because s/he got an appointment, this is the date/time of the appointment.

403.56,102 APPT CLINIC  1;2 POINTER TO HOSPITAL LOCATION FILE (#44)
LAST EDITED:    JUL 17, 2008
HELP-PROMPT: Select the clinic matching the Recall entry.
DESCRIPTION: If the patient was deleted from the recall list because s/he got an appointment, this is the clinic of the appointment.

403.56,201 DELETE DATE   2;1 DATE
INPUT TRANSFORM:  S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED:    JUL 17, 2008
HELP-PROMPT: Enter the date the entry was cancelled or deleted.
DESCRIPTION: If the patient was deleted from the recall list because a clerk deleted him/her, this is the date/time of the deletion.

403.56,202 DELETE CLERK   2;2 POINTER TO NEW PERSON FILE (#200)
LAST EDITED:    JUL 17, 2008
HELP-PROMPT: Select the clerk who deleted or cancelled the Recall entry.
DESCRIPTION: If the patient was deleted from the recall list because a clerk deleted him/her, this is the clerk who deleted the patient.

403.56,203 DELETE REASON   2;3 SET
   '1' FOR FAILURE TO RESPOND;
   '2' FOR MOVED;
   '3' FOR DECEASED;
   '4' FOR DOESN'T WANT VA SERVICES;
   '5' FOR RECEIVED CARE AT ANOTHER VA;
   '6' FOR OTHER;
   '7' FOR APPT SCHEDULED;
3.6.3. #409.3 – SD WAIT LIST

This file contains the Wait List entries for the Wait List (Sch/PCMM) package. Each entry represents a unique wait list entry.

DD ACCESS: @
RD ACCESS:
WR ACCESS: D
DEL ACCESS: @
LAYGO ACCESS: D
AUDIT ACCESS: @

(NOTE: Kernel's File Access Security has been installed in this UCI.)

IDENTIFIED BY: ORIGINATING DATE (#1), INSTITUTION (#2)[R], WAIT LIST TYPE (#4)[R], CURRENT STATUS (#23)

POINTED TO BY: CHANGED CLINIC PARENT POINTER field (#37) of the SD WAIT LIST File (#409.3)
WAIT LIST ENTRY field (#.01) of the SDWL TRANSFER REQUEST File (#409.35)
SD WAIT LIST ENTRY field (#409.3) of the SDWL TRANSFER ACCEPT File (#409.36)
APPT REQUEST TYPE field (#.22) of the SDEC APPOINTMENT File (#409.84)

CROSS REFERENCED BY: WL SPECIFIC HOSPITAL LOCATION(AE), PATIENT(B), INSTITUTION(C), WL SPECIFIC TEAM(D), CURRENT STATUS(E), ORIGINATING DATE(ETO0), WL SPECIFIC CLINIC(SC), WL SPECIFIC CLINIC(SCC), WL SPECIFIC POSITION(SP), WL SERVICE/SPECIALTY(SS), WL SPECIFIC TEAM(ST)

INDEXED BY: DATE/TIME ENTERED & ORIGINATING USER (AC), PATIENT & WL SPECIFIC HOSPITAL LOCATION (AD), DATE ENTERED & ENTERED BY USER (AF), ORIGINATING DATE (GC), DESIRED DATE OF APPOINTMENT (GCC), ORIGINATING DATE (GS), ORIGINATING DATE (GSA), SERVICE CONNECTED PRIORITY & ORIGINATING DATE (GSB), DESIRED DATE OF APPOINTMENT (GSC), ORIGINATING DATE (GSP)

409.3,.01 PATIENT 0;1 POINTER TO PATIENT FILE (#2)
(Required)

LAST EDITED: APR 30, 2015
HELP-PROMPT: Enter the name of the patient from the Patient file #2 that is to be on the Sch/PCMM Wait List.
DESCRIPTION: Enter the name of the patient from the Patient file #2 that is to be on the Sch/PCMM Wait List.
CROSS-REFERENCE: 409.3^B

1) = S ^SDWL(409.3,"B",$E(X,1,30),DA)="
2) = K ^SDWL(409.3,"B",$E(X,1,30),DA)

RECORD INDEXES: AD (#1659)

409.3,1 ORIGINATING DATE 0;2 DATE

INPUT TRANSFORM: S %DT="E" D ^%DT S X=Y K:Y<1 X
LAST EDITED: APR 03, 2015
DESCRIPTION: Date the patient was placed on the Wait List (Sch/PCMM)

CROSS-REFERENCE: 409.3^ETOO^MUMPS

1) = S:$P(^SDWL(409.3,DA,0),U,17)'=" ^SDWL(409.
3,"E",$P(^SDWL(409.3,DA,0),U,17),X,DA)="

2) = K:$P(^SDWL(409.3,DA,0),U,17)'=" ^SDWL(409.
3,"E",$P(^SDWL(409.3,DA,0),U,17),X,DA)

This xref actually updates the "E" xref for CURRENT STATUS in the event
that the ORIGINATING DATE is changed. This xref is used to speed up the lookup of open or
closed wait list entries for a given time range.

FIELD INDEX: GC (#1945) REGULAR IR LOOKUP & SORTING
Short Descr: SORT BY CLINIC AND ORIGINATING DATE

Description: This xref is used to sort Wait List entries by the Clinic ID and the
ORIGINATING DATE field (#1). The Clinic ID comes from the CLINIC field (#.01) of the SD
WL CLINIC LOCATION file (#409.32). The SD WL CLINIC LOCATION pointer is in the
WL SPECIFIC CLINIC field (#8) of the SD WAIT LIST file (#409.3).

Set Logic: S ^SDWL(409.3,"GC",X(1),X(2),DA)="
Kill Logic: K ^SDWL(409.3,"GC",X(1),X(2),DA)
Whole Kill: K ^SDWL(409.3,"GC")

X(1): Computed Code: S X=$P($G(^SDWL(409.32,+P($G(^S
DWL(409.3,DA,0)),U,9),0)),U,1)
RECORD INDEXES:  GS (#1940), GSA (#1943), GSB (#1944), GSP (#1942)

409.3,2  INSTITUTION  0;3 POINTER TO INSTITUTION FILE (#4)

(Required)

INPUT TRANSFORM:  S DIC("S")="I $P(^0),U,11)="N",$STF^XUAF4(+Y
)" D ^DIC K DIC S DIC=DIE,X=+Y K:Y<0 X

LAST EDITED:  MAR 04, 2003

HELP-PROMPT:  Enter the INSTITUTION that the patient is to be placed for the
waiting list.  INSTITUTION must be NATIONAL and a treating facility.

DESCRIPTION:  The Institution the patient is on the Wait List (Sch/PCMM)

SCREEN:  S DIC("S")="I $P(^0),U,11)="N",$STF^XUAF4(+Y"

EXPLANATION:  Enter a National/Medical Institution

AUDIT:

CROSS-REFERENCE:  409.3^C

1)= S ^SDWL(409.3,"C",$E(X,1,30),DA)="
2)= K ^SDWL(409.3,"C",$E(X,1,30),DA)

409.3,3  TRANSMISSION STATUS TO ACC 0;4 SET

'0' FOR NOT TRANSMITTED;

'1' FOR TRANSMITTED;

LAST EDITED:  AUG 08, 2002

DESCRIPTION:  Reflects the current transmission status (transmitted/not transmitted) of the wait list entry

409.3,3.1  DATE OF TRANSMISSION  ACCDATE;0 DATE Multiple #409.33
DESCRIPTION: Wait List Transmission date information - multiple

409.33,.01 DATE OF TRANSMISSION 0;1 DATE (Multiply asked)

INPUT TRANSFORM: S %DT="ESTR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: AUG 08, 2002
DESCRIPTION: Date of Wait List transmission

CROSS-REFERENCE: 409.33^B
1)= S ^SDWL(409.3,DA(1),"ACCDATE","B",$E(X,1,30),DA)="
2)= K ^SDWL(409.3,DA(1),"ACCDATE","B",$E(X,1,30),DA)

409.3,4 WAIT LIST TYPE 0;5 SET (Required)

'1' FOR PCMM TEAM ASSIGNMENT;
'2' FOR PCMM POSITION ASSIGNMENT;
'3' FOR SERVICE/SPECIALITY;
'4' FOR SPECIFIC CLINIC;
LAST EDITED: OCT 12, 2004
HELP-PROMPT: Select one Wait List Type.
DESCRIPTION: The type of wait list the patient is assigned.
UNEDITABLE

409.3,5 WL SPECIFIC TEAM 0;6 POINTER TO TEAM FILE (#404.51)

INPUT TRANSFORM: S DIC("S")="I $D(SDWLIN),SP(^SCTM(404.51,+Y,0),U,7)=SDWLIN" D ^DIC K DIC S DIC=DIE,X=+Y K:Y<0 X
LAST EDITED: SEP 30, 2002
HELP-PROMPT: Enter the team that the patient is waiting to be assigned. The team must be an active team at the selected institution and must be over capacity. Patient can be assigned to multiple Teams.
DESCRIPTION: If the patient is waiting for a PCMM Team Assignment, the team that the patient is waiting to be assigned is to be entered here. The team must be active at the designated institution, must be above capacity. Patients can be assigned to multiple PCMM Teams.

SCREEN: $D(SDWLIN),SP(^SCTM(404.51,+Y,0),U,7)=SDWLIN$

EXPLANATION: Entry's for this Institution.

CROSS-REFERENCE: 409.3^D
1) S ^SDWL(409.3,"D",$E(X,1,30),DA)="
2) K ^SDWL(409.3,"D",$E(X,1,30),DA)

CROSS-REFERENCE: 409.3^ST^MUMPS
1) I $D(X) S ^SDWL(409.3,"ST",DA,X)="
2) K ^SDWL(409.3,"ST",DA,X)

409.3,6 WL SPECIFIC POSITION 0;7 POINTER TO TEAM POSITION FILE (#404.57)

LAST EDITED: SEP 30, 2002

HELP-PROMPT: Enter the position the patient is waiting to be assigned. Only active, over capacity positions assigned to the patient's primary care team are selectable.

DESCRIPTION: If the patient is waiting for a PCMM Position, the position that the patient is waiting to be assigned is entered here. The position must be active, assigned to the team the patient is currently assigned and the position must be above capacity. The patient can have multiple open Position Wait List assignments.

CROSS-REFERENCE: 409.3^SP^MUMPS
1) I SD(X) S ^SDWL(409.3,"SP",DA,X)="
2) K ^SDWL(409.3,"SP",DA,X)

409.3,7 WL SERVICE/SPECIALTY 0;8 POINTER TO SD WL SERVICE/SPECIALTY FIL
HELP-PROMPT: Enter the Service/Specialty (DSS ID) allowed by this institution in the wait list parameters, that this patient is waiting for an appointment.

DESCRIPTION: If the patient has been assigned to the Service/Specialty Wait List, enter the DSS ID that represents the service/specialty the patient is waiting for an appointment. This DSS ID must be active in file 409.31.

CROSS-REFERENCE: 409.3^SS^MUMPS

1) = I $D(X) S ^SDWL(409.3,"SS",$P(^SDWL(409.31,X,0),U,1),DA)=""

2) = I $D(^SDWL(409.31,X,0)) K ^SDWL(409.3,"SS",$P(^SDWL(409.3,DA,0),U,1),$P(^SDWL(409.31,X,0),U,1),DA)

CROSS-REFERENCE: 409.3^SC^MUMPS

1) = I $D(X) S ^SDWL(409.3,"SC",$P(^SDWL(409.32,X,0),U,1),DA)="

2) = K ^SDWL(409.3,"SC",$P(^SDWL(409.32,X,0),U,1),DA)

CROSS-REFERENCE: 409.3^SCC^MUMPS

1) = I $D(X) S ^SDWL(409.3,"SCC",$P(^SDWL(409.3,X),U,1),DA)
DA,0),U,1),X,DA)=""

2)= K ^SDWL(409.3,"SCC",$P(^SDWL(409.3,DA,0),U,1),X,DA)

409.3,8.5 WL SPECIFIC HOSPITAL LOCATION 0;24 POINTER TO HOSPITAL LOCATION F
ILE (#44)

LAST EDITED: APR 30, 2015
HELP-PROMPT: Select a hospital location
DESCRIPTION: This is the HOSPITAL LOCATION in which the WL SPECIFIC CLINIC points to.

CROSS-REFERENCE: 409.3^AE
1)= S ^SDWL(409.3,"AE",$E(X,1,30),DA)=""
2)= K ^SDWL(409.3,"AE",$E(X,1,30),DA)
This xref is used to find entries associated with a particular HOSPITAL LOCATION.

RECORD INDEXES: AD (#1659)

409.3,8.7 WL APPOINTMENT TYPE 0;26 POINTER TO APPOINTMENT TYPE FILE (#40
9.1) (audited)

LAST EDITED: NOV 02, 2016
HELP-PROMPT: Select an appointment type.
DESCRIPTION: This field represents the appointment type for the appointment that is to be associated with this wait list request.

AUDIT: YES, ALWAYS

409.3,9 ORIGINATING USER 0;10 POINTER TO NEW PERSON FILE (#200)
DESCRIPTION:
User that enters the patient to the wait list.

RECORD INDEXES: AC (#1658)

409.3,9.5 DATE/TIME ENTERED 3;4 DATE

INPUT TRANSFORM: S %DT="ETX" D ^%DT S X=Y K:Y<1 X
LAST EDITED: OCT 27, 2014
HELP-PROMPT: Enter a date. Time is optional.
DESCRIPTION: This is the Date and optional Time that this Wait List entry was entered.

RECORD INDEXES: AC (#1658)

409.3,10 PRIORITY 0;11 SET (Required)

'A' FOR ASAP;
'F' FOR FUTURE;
LAST EDITED: AUG 05, 2002
HELP-PROMPT: Select either ASAP which will set the desired date for the appointment as the current date or select Future which will allow you to enter a desired date (example: T+6M)
DESCRIPTION: If the patient is assigned to either the Service/Specialty or Specific Clinic Wait List, a priority of Future or ASAP (as soon as possible) must be entered. Future indicates that the patient needs an appointment in the future and a desired will be entered by the user. ASAP indicates that the patient needs an appointment before the currently next available appointment (as soon as a slot opens). The desired date for ASAP will be set by the system as the current date.

409.3,10.5 ENROLLMENT PRIORITY 0;25 SET

'1' FOR GROUP 1;
'2' FOR GROUP 2;
'3' FOR GROUP 3;
'4' FOR GROUP 4;
'5' FOR GROUP 5;
'6' FOR GROUP 6;
'7' FOR GROUP 7;
'8' FOR GROUP 8;
LAST EDITED: SEP 23, 2014
HELP-PROMPT: Select an enrollment priority
DESCRIPTION: The ENROLLMENT PRIORITY field represents the Wait List Enrollment Priority.

409.3,11 REQUEST BY 0;12 SET (Required) (audited)

'1' FOR PROVIDER;
'2' FOR PATIENT;
LAST EDITED: NOV 02, 2016
HELP-PROMPT: Enter who requested the appointment - the patient or a provider
DESCRIPTION: If the patient is placed on a Service/Specialty or Specific Clinic Wait List type, the user must enter who requested the appointment – the patient or a provider.

AUDIT: YES, ALWAYS

409.3,12 PROVIDER 0;13 POINTER TO NEW PERSON FILE (#200)
(audited)

LAST EDITED: NOV 02, 2016
HELP-PROMPT: This is the provider that requested the patient's appointment. Must be an active provider in file 200.
DESCRIPTION: If the patient's appointment was requested by a provider, this is the provider that requested the patient's appointment. Must be an active provider in file 200.

AUDIT: YES, ALWAYS

409.3,13 SCHEDULED DATE OF APPT 0;23 DATE
HELP-PROMPT: Enter date/time of the scheduled appointment for this request
DESCRIPTION: The Appointment date scheduled for a patient. This appointment may be used as a reason for closing Electronic Wait List entry.

TECHNICAL DESCR: This is a date/time of the scheduled appointment related to this entry.

409.3,13.1 DATE APPT. MADE SDAPT;1 DATE

HELP-PROMPT: (No range limit on date)
DESCRIPTION: This is the date the appointment was created.

TECHNICAL DESCR: The Appointment Creation Date. It corresponds to the DATE APPT. MADE field (#20) of the APPOINTMENT multiple (#1900) in the Patient file (#2).

409.3,13.2 APPT CLINIC SDAPT;2 POINTER TO HOSPITAL LOCATION FILE (#44)

HELP-PROMPT: Hospital Location the appointment is scheduled for.
DESCRIPTION: This is a clinic the appointment was created for.

TECHNICAL DESCR: Pointer to the HOSPITAL LOCATION file (#44) of the related appointment.

409.3,13.3 APPT INSTITUTION SDAPT;3 POINTER TO INSTITUTION FILE (#4)

HELP-PROMPT: The institution the clinic appointment belongs to.
TECHNICAL DESCR: A pointer from the Hospital Location file of the scheduled appointment to the Institution file (#4).

409.3,13.4 APPT STOP CODE SDAPT;4 POINTER TO CLINIC STOP FILE (#40.7)

LAST EDITED: MAY 06, 2005
DESCRIPTION: The stop code/specialty of a clinic associated with the patient appointment.

TECHNICAL DESCR: This is the primary Stop Code Number pointer to the Stop Code file (#40.7).

409.3,13.5 APPT CREDIT STOP CODE SDAPT;5 POINTER TO CLINIC STOP FILE (#40.7)

LAST EDITED: JAN 04, 2005
DESCRIPTION: The credit stop code optionally assigned to the Hospital Location file associated with the scheduled appointment.

TECHNICAL DESCR: This is the secondary (optional) Stop Code Number pointer to the Stop Code file (#40.7). This stop code is assigned to the Hospital Location file associated with the scheduled appointment.

409.3,13.6 APPT STATION NUMBER SDAPT;6 FREE TEXT

INPUT TRANSFORM: K:$L(X)>6!($L(X)<3)!'(X?3N.E) X
LAST EDITED: APR 28, 2005
HELP-PROMPT: Answer must be 3-6 characters in length.
DESCRIPTION: This is the 3 digit station number assigned to the facility plus optional modifiers.

TECHNICAL DESCR: This is the Station Number field (#99) of the Institution file (#4) associated with the scheduled appointment.

409.3,13.7 APPT CLERK SDAPT;7 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: JAN 04, 2005
DESCRIPTION: This is a person who assigned the appointment to the EWL entry.
TECHNICAL DESCR: This is a pointer to the New Person file and it represents a person who entered the scheduled appointment into the EWL.

409.3,13.8 APPT STATUS SDAPT;8 SET

'R' FOR Scheduled/Kept;
'I' FOR Inpatient;
'NS' FOR No-Show;
'NSR' FOR No_Show, Rescheduled;
'CP' FOR Canceled by Patient;
'CPR' FOR Canceled by Patient, Rescheduled;
'CC' FOR Canceled by Clinic;
'CCR' FOR Canceled by Clinic, Rescheduled;
'NT' FOR No Action Taken;

LAST EDITED: JAN 12, 2005
DESCRIPTION: This is an appointment status.

409.3,14 SERVICE CONNECTED PERCENTAGE SC;1 NUMBER

INPUT TRANSFORM: K:+X'=X!(X>100)!(X<0)!(X?.E1"."1N.N) X
LAST EDITED: JUN 27, 2005
HELP-PROMPT: Type a Number between 0 and 100, 0 Decimal Digits

409.3,15 SERVICE CONNECTED PRIORITY SC;2 SET

'0' FOR NO;
'1' FOR YES;

LAST EDITED: JUN 27, 2005
RECORD INDEXES: GSB (#1944)

409.3,16 DO NOT REMOVE DATE 0;14 DATE

INPUT TRANSFORM: S %DT="E" D ^%DT S X=Y K:Y<1 X
DESCRIPTION: If the patient has met the criteria that should remove him/her from the wait list but the user does not want the patient removed.

409.3,17 USER ENTERING NO REMOVE 0;15 POINTER TO NEW PERSON FILE (#200)

DESCRIPTION: User entering 'Do Not Remove'

409.3,18 DO NOT REMOVE REASON DNR;1 SET

'A' FOR Appointment Criteria Not Met;
'P' FOR Patient wants another appointment;
'PR' FOR Provider wants another appointment;
'O' FOR Other;

DESCRIPTION: Enter the reason for NOT removing the patient from the wait list.

409.3,18.1 DO NOT REMOVE COMMENT DNR;2 FREE TEXT

INPUT TRANSFORM: K:$L(X)>50!(SL(X)<1) X

DESCRIPTION: Free Text comment (1-50 characters) for why wait list entry should not be removed when an appointment has met the wait list criteria.

409.3,19 DATE DISPOSITIONED DIS;1 DATE

INPUT TRANSFORM: S %DT="E" D ^%DT S X=Y K:Y<1 X
DESCRIPTION: Date patient is dispositioned from the Wait List(Sch/PCMM)

409.3,20 DISPOSITIONED BY DIS;2 POINTER TO NEW PERSON FILE (#200)

DESCRIPTION: User who dispositioned patient from Wait List(Sch/PCMM)

409.3,21 DISPOSITION DIS;3 SET

'D' FOR DEATH;
'NC' FOR REMOVED/NON-VA CARE;
'SA' FOR REMOVED/SCHEDULED-ASSIGNED;
'CC' FOR REMOVED/VA CONTRACT CARE;
'NN' FOR REMOVED/NO LONGER NECESSARY;
'ER' FOR ENTERED IN ERROR;
'TR' FOR TRANSFERRED;
'CL' FOR CHANGED CLINIC;

HELP-PROMPT: Select a reason for removing the patient the wait list.

DESCRIPTION: Reason patient has been dispositioned from Wait List(Sch/PCMM)

409.3,22 DESIRED DATE OF APPOINTMENT 0;16 DATE (Required)

CID/PREFERRED DATE

INPUT TRANSFORM: S %DT="E" D ^%DT S X=Y K:Y<1 X

HELP-PROMPT: Enter the desired date for the appointment. The date can be imprecise.

DESCRIPTION: If a patient is placed on a Service/Specialty or Clinic Specific Wait List type, the date the appointment is needed/desired. If the priority is ASAP, this is the date the patient is placed on the Wait List(Sch/PCMM). If the priority is Future, the user enters the date that the patient/provider needs an appointment scheduled. The field title contains
CID/PREFERRED DATE', where 'CID' stands for Clinically Indicated Date. This is an alternate name for the field name used for reports and to present to users when adding and displaying appointment information in the Scheduling package.

FIELD INDEX:   GCC (#1946)   REGULAR   IR

LOOKUP & SORTING

Short Descr:  SORT BY CLINIC ID AND CID/PREFERRED DATE

Description: This xref is used to sort Wait List entries by the Clinic ID and the CID/PREFERRED DATE field (#22). The Clinic ID comes from the CLINIC field (.01) of the SD WL CLINIC LOCATION file (#409.32). The SD WL CLINIC LOCATION pointer is in the WL SPECIFIC CLINIC field (#8) of the SD WAIT LIST file (#409.3).

Set Logic:  S ^SDWL(409.3,"GCC",X(1),X(2),DA)=""

Kill Logic:  K ^SDWL(409.3,"GCC",X(1),X(2),DA)

Whole Kill:  K ^SDWL(409.3,"GCC")

X(1):  Computed Code:  S X=$P($G(^SDWL(409.32,+$P($G(^SDWL(409.3,DA,0)),U,9),0)),U,1)
(Subscr 1)  (forwards)

X(2):  DESIRED DATE OF APPOINTMENT  (409.3,22)
(Subscr 2)  (forwards)

RECORD INDEXES:   GSC (#1941)

409.3,23      CURRENT STATUS      0;17 SET

'O' FOR OPEN;
'C' FOR CLOSED;

LAST EDITED:  DEC 02, 2014

HELP-PROMPT: Enter O or OPEN if the wait list entry is open. Enter C or CLOSED if the wait list entry is closed.

DESCRIPTION:  If the Wait List(Sch/PCMM) entry is dispositioned the status = CLOSED, otherwise the Wait List(Sch/PCMM) entry status = OPEN

CROSS-REFERENCE:  409.3^E^MUMPS

1)= S:$P(^SDWL(409.3,DA,0),U,2)'="" ^SDWL(409.3,"E",X,$P(^SDWL(409.3,DA,0),U,2),DA)=""
This xref is used to speed up the lookup of open or closed wait list entries for a given time range.

409.3,24  AUDIT POINTER  AU;0 Multiple #409.324

409.324,.01  AUDIT POINTER  0;1 NUMBER

INPUT TRANSFORM:  K:+X'=X!(X>99999999999)!(X<1)!(X?.E1"."1N.N)

LAST EDITED:  JUL 13, 2002
HELP-PROMPT:  Type a Number between 1 and 99999999999, 0 Decimal Digits
CROSS-REFERENCE:  409.324^B

1)= S ^SDWL(409.3,DA(1),"AU","B",SE(X,1,30),DA) ="
2)= K ^SDWL(409.3,DA(1),"AU","B",SE(X,1,30),DA)

409.3,25  COMMENTS  0;18 FREE TEXT (audited)

INPUT TRANSFORM:  K:$L(X)>60!($L(X)<1) X

LAST EDITED:  NOV 02, 2016
HELP-PROMPT:  Answer must be 1-60 characters in length.
DESCRIPTION:  Free Text field to enter information related to the appointment that needs to be made. example: see progress note date 5/01/02 this would direct the scheduling clerk to a note that may contain lab,xray orders that need to be completed prior to the appointment.

AUDIT:  YES, ALWAYS

409.3,26  PACKAGE ORIGINATING  0;19 SET

'SD' FOR SCHEDULING;
'PCMM' FOR PCMM;
409.3,27  EWL ENROLLEE STATUS  0;20 SET

'N' FOR NEW;
'E' FOR ESTABLISHED;
'P' FOR PRIOR;
'U' FOR UNDETERMINED;

DESCRIPTION: A set of code that is determined by a formula looking at date patient last seen (file #391.91 and enrollment date from file #27.11)

409.3,27.1  EWL ENROLLEE DATE USED 1;3 DATE

INPUT TRANSFORM: S %DT="E" D ^%DT S X=Y K:Y<1 X

DESCRIPTION: This field contains the actual date used to calculate the number of days between the current date and the last treatment or enrollment date.

409.3,27.2  EWL ENROLLEE DATABASE FILE 1;4 SET

'0' FOR NONE;
'1' FOR TREATING FACILITY;
'2' FOR PATIENT ENROLLMENT;
'3' FOR OUTPATIENT ENCOUNTER;
'4' FOR KLF DOWNLOAD;

DESCRIPTION: This field is used to track the file used to obtain either the last treatment date (TREATING FACILITY file #391.52) or the enrollment date (PATIENT ENROLLMENT file #27.11). It is used internally only for audit purposes.

409.3,28  EDITING USER  0;21 POINTER TO NEW PERSON FILE (#200)

LAST EDITED:  SEP 30, 2002
409.3,29  REOPEN REASON  1;1 SET

'CC' FOR INACTIVATED CLINIC;
'CA' FOR CANCELED APPOINTMENT;
'DE' FOR DATE OF DEATH ERROR;
'O' FOR OTHER;
LAST EDITED: APR 26, 2005
DESCRIPTION: The reason why the closed EWL entry was open.
TECHNICAL DESCR: This field has been added with patch SD*5.3*327. It is populated by the EWL background job.

409.3,30  REOPEN COMMENT  1;2 FREE TEXT

INPUT TRANSFORM: K:$(X)>72!($L(X)<3) X
LAST EDITED: MAR 11, 2005
HELP-PROMPT: Answer must be 3-72 characters in length
DESCRIPTION: The comment used optionally with the Reopen Reason if applicable,

409.3,32  REJECTION FLAG  FLAGS;2 SET

'1' FOR REJECTED;
LAST EDITED: MAY 13, 2006

409.3,33  SCHEDULING REMINDER FLAG  FLAGS;3 SET

'Y' FOR TICKLER FLAG;
LAST EDITED: JUN 05, 2006

409.3,34  INTRA TRANSFER FLAG  FLAGS;4 SET

'1' FOR INTRA TRANSFER FLAG;
409.3,36  120 DAYS FIELD  FLAGS;6 SET

    '1' FOR NO APPOINTMENT;
    '2' FOR WITH APPOINTMENT;

409.3,37  CHANGED CLINIC PARENT POINTER 0;22 POINTER TO SD WAIT LIST FILE (  

    #409.3)

409.3,38  MULTI TEAM FLAG  FLAGS;5 SET

    '1' FOR MULTI TEAM LOCATION;
    '0' FOR SINGL TEAM LOCATION;

409.3,39  120 DAY APPT CREATED  FLAGS;1 SET

    '1' FOR APPT CREATED;

409.3,41  MULTIPLE APPOINTMENT RTC 3;1 SET

    '0' FOR NO;
    '1' FOR YES;

DESCRIPTION: When an EWL entry is closed with a disposition code of CL: CLINIC CHANGE, the process involves the creation of a new EWL entry with details copied from the parent. This is a pointer back to that parent entry.

LAST EDITED: APR 27, 2006

LAST EDITED: MAY 25, 2006

LAST EDITED: MAY 24, 2006

LAST EDITED: MAY 29, 2006

LAST EDITED: SEP 02, 2014
HELP-PROMPT: Select 1 or YES if multiple appointments are needed. Select 0 or NO if multiple appointments are not needed.

DESCRIPTION: If set to NO (0 zero), Multiple Appointment (Return to Clinic) are not scheduled. The MULT APPT RTC INTERVAL and MULT APPT NUMBER fields will not be used. If set to YES (1), Multiple Appointment (Return to Clinic) could be scheduled.

409.3,42  MULT APPT RTC INTERVAL 3;2 NUMBER

INPUT TRANSFORM: K:+X'=X!(X>365)! (X<0)! (X?.E1".1N.N) X
LAST EDITED: SEP 04, 2014
HELP-PROMPT: Enter a number between 0 and 365, 0 decimal digits.
DESCRIPTION: The MULT APPT RTC INTERVAL represents the number of Days between appointments. This field is only used if MULTIPLE APPOINTMENT RTC is defined as YES. RTC=Return To Clinic

409.3,43  MULT APPT NUMBER 3;3 NUMBER

INPUT TRANSFORM: K:+X'=X!(X>100)! (X<0)! (X?.E1".1N.N) X
LAST EDITED: SEP 04, 2014
HELP-PROMPT: Enter a number between 0 and 100, 0 decimal digits.
DESCRIPTION: This is the number of appoints that may be needed.

This field is only used if MULTIPLE APPOINTMENT RTC is defined as YES. RTC=Return To Clinic

409.3,43.5 MRTC CALC PREF DATES 5;0 DATE Multiple #409.37

DESCRIPTION: These are dates that are calculated by the client for multiple appointments based from the DESIRED DATE OF APPOINTMENT.

409.37,.01 MRTC CALC PREF DATES 0;1 DATE (Multiply asked)

INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y<1 X
LAST EDITED: NOV 13, 2014
HELP-PROMPT: Enter a date
DESCRIPTION: These are dates that are calculated by the client for multiple
appointments based from the DESIRED DATE OF APPOINTMENT.

CROSS-REFERENCE: 409.37^B

1)= S ^SDWL(409.3,DA(1),5,"B",$E(X,1,30),DA)=""
2)= K ^SDWL(409.3,DA(1),5,"B",$E(X,1,30),DA)

409.3,44 PATIENT CONTACT 4;0 DATE Multiple #409.344

DESCRIPTION: This multiple records the patient contact events.

409.344,.01 DATE ENTERED 0;1 DATE

INPUT TRANSFORM: S %DT="ETX" D ^%DT S X=Y K:Y<1 X

LAST EDITED: NOV 14, 2014
HELP-PROMPT: Enter a date. Time is optional.
DESCRIPTION: This DATE ENTERED field represents the Date that an attempt
was made to contact the patient regarding 'this' appointment. The time can also be optionally
entered.

CROSS-REFERENCE: 409.344^B

1)= S ^SDWL(409.3,DA(1),4,"B",$E(X,1,30),DA)=""
2)= K ^SDWL(409.3,DA(1),4,"B",$E(X,1,30),DA)

RECORD INDEXES: AF (#1677) (WHOLE FILE #409.3)

409.344,2 ENTERED BY USER 0;2 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: OCT 01, 2014
HELP-PROMPT: Select a provider
DESCRIPTION: The ENTERED BY USER field points to the NEW PERSON file
and represents the user/provider that made an attempt to contact the patient regarding 'this'
appointment.
RECORD INDEXES: AF (#1677) (WHOLE FILE #409.3)

409.344,3 ACTION 0;3 SET

'C' FOR CALLED;
'M' FOR MESSAGE LEFT;
'L' FOR LETTER;
LAST EDITED: APR 21, 2015
HELP-PROMPT: Select an action
DESCRIPTION: The ACTION field represents the attempt that was made to contact the patient regarding 'this' appointment.
   C = Called
   M = Message Left
   L = LETTER

409.344,4 PATIENT PHONE 0;4 FREE TEXT

INPUT TRANSFORM: K:$L(X)>20!(L(X)<4) X
LAST EDITED: NOV 13, 2014
HELP-PROMPT: Answer must be 4-20 characters in length.
DESCRIPTION: This is the phone number used to contact the patient.

409.3,45 VS AUDIT 6;0 DATE Multiple #409.345
(Add New Entry without Asking)

DESCRIPTION: This multiple is used as an audit trail of specific fields for VistA Scheduling GUI.

409.345,.01 DATE EDITED 0;1 DATE (Multiply asked)

INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: DEC 01, 2015
HELP-PROMPT: Enter a date and time
DESCRIPTION: This is the Date/Time in which the edits represented by this entry were made.

CROSS-REFERENCE: 409.345^B

1) = S ^SDWL(409.3,DA(1),6,"B","E(X,1,30),DA)="
2) = K ^SDWL(409.3,DA(1),6,"B","E(X,1,30),DA)

409.345,1 EDITED BY 0;2 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: DEC 01, 2015
HELP-PROMPT: Enter a user
DESCRIPTION: This is the user that edited the current VS AUDIT entry.

409.345,2 WL SPECIFIC CLINIC 0;3 POINTER TO SD WL CLINIC LOCATION FILE (#409.32)

LAST EDITED: DEC 01, 2015
HELP-PROMPT: Select a clinic from the approved wait list clinics
DESCRIPTION: This field represents the specific clinic from SD WL CLINIC LOCATION.

409.345,3 WL SPECIFIC HOSPITAL LOCATION 0;4 POINTER TO HOSPITAL LOCATION FILE (#44)

LAST EDITED: DEC 01, 2015
HELP-PROMPT: Select a hospital location
DESCRIPTION: This is the HOSPITAL LOCATION in which the WL SPECIFIC CLINIC points to.

409.345,4 WL SERVICE/SPECIALTY 0;5 POINTER TO SD WL SERVICE/SPECIALTY FILE (#409.31)

LAST EDITED: DEC 01, 2015
HELP-PROMPT: Select a Service/Specialty

DESCRIPTION: This field represents the Service/Specialty that matches the appointment that this wait list entry is waiting for.

### 3.6.4. #403.5 – RECALL REMINDERS

STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE
FEB 7, 2018@14:00:41 PAGE 1

STORED IN `^SD(403.5, (18326 ENTRIES) SITE: TEST.CHEYENNE.MED.VA.GOV UCI: CHEYL134,ROU (VERSION 5.3)

<table>
<thead>
<tr>
<th>DATA ELEMENT</th>
<th>NAME</th>
<th>GLOBAL DATA</th>
<th>LOCATION</th>
<th>TYPE</th>
</tr>
</thead>
</table>

This file contains records for all active Recall Reminders. Once a patient has called to make an appointment, the entry is then moved from this file to RECALL REMINDERS REMOVED file. Patients should not be entered into this file when their future appointment is less than 30 days. The records are maintained by Recall Date and patient name.

DD ACCESS: @
RD ACCESS:
WR ACCESS:
DEL ACCESS: @
LAYGO ACCESS: @
AUDIT ACCESS: @

(NOTE: Kernel's File Access Security has been installed in this UCI.)

IDENTIFIED BY: CLINIC (#4.5)[R], RECALL DATE (#5)[R]

POINTED TO BY: APPT REQUEST TYPE field (#.22) of the SDEC APPOINTMENT File
CROSS
REFERENCED BY: PATIENT NAME(B), PROVIDER(C), RECALL DATE(D), CLINIC(E)

INDEXED BY: PATIENT NAME (A66201), DATE/TIME RECALL ADDED & USER WHO ENTERED RECALL (AC)

403.5,.01 PATIENT NAME 0;1 POINTER TO PATIENT FILE (#2)
(Required)

LAST EDITED: JUL 15, 2008
HELP-PROMPT: Enter the name of the Patient you wish to enter a Recall for.
DESCRIPTION: Recall Reminder patient name this is a pointer to the patient file #2.

CROSS-REFERENCE: 403.5^B
  1)= S ^SD(403.5,"B",$E(X,1,30),DA)="
  2)= K ^SD(403.5,"B",$E(X,1,30),DA)

  Used for checking to see if the patient is in the Recall file and display recall information before a new entry is made.

FIELD INDEX: A66201 (#838) MUMPS IR ACTION
  Short Descr: Save copy of record before deletion.
  Description: Before deleting a record from this file, save a copy of it in file 403.56. Deletion can be either because a clerk deletes a patient from the recall list, or because a patient has been given an appointment in a clinic requested by the recall list and therefore is deleted by the nightly job. We save this information so that we can look back at appointments given to patients and see how timely the appointments were.
  Set Logic: Q
  Kill Logic: D DELETE^SDRRISRU
  Kill Cond: S X=(X1=""&(X2=""))
  X(1): PATIENT NAME (403.5,.01) (forwards)
403.5,2 ACCESSION# 0;3 FREE TEXT

INPUT TRANSFORM: K:$L(X)>25!($L(X)<1) X
LAST EDITED: JUL 15, 2008
HELP-PROMPT: Answer must be 1-25 characters in length.
DESCRIPTION: This is the lab order number or the lab accession number if known.

403.5,2.5 COMMENT 0;7 FREE TEXT (audited)

INPUT TRANSFORM: K:$L(X)>80!($L(X)<1) X
LAST EDITED: NOV 02, 2016
HELP-PROMPT: Answer must be 1-80 characters in length.
DESCRIPTION: Comments needed for this recall entry.

AUDIT: YES, ALWAYS

403.5,2.6 FAST/NON-FASTING 0;8 SET (audited)

'f' FOR FASTING;
'n' FOR NON-FASTING;
LAST EDITED: NOV 02, 2016
HELP-PROMPT: Are the labs Fasting or Non-Fasting? leave blank if no labs have been ordered.
DESCRIPTION: If the patient has had lab tests ordered for this recall visit, select either Fasting or Non-Fasting labs. If the patient has no labs orders leave blank.

AUDIT: YES, ALWAYS

403.5,3 TEST/APP. 0;4 POINTER TO RECALL REMINDERS APPT TYPE FILE (#403.51) (Required) (audited)
LAST EDITED: NOV 02, 2016
HELP-PROMPT: Select the type of Recall visit
DESCRIPTION: This is the type of Recall Visit that is assigned for this entry.

AUDIT: YES, ALWAYS

403.5,4 PROVIDER 0;5 POINTER TO RECALL REMINDERS PROVIDERS FILE (#403.54) (Required) (audited)

HELP-PROMPT: Select the provider for this Recall entry.
DESCRIPTION: The provider who is assigned for this Recall entry.

AUDIT: YES, ALWAYS
CROSS-REFERENCE: 403.5^C

1) = S ^SD(403.5,"C",$E(X,1,30),DA)=""
2) = K ^SD(403.5,"C",$E(X,1,30),DA)

Used for printing of the cards/letter and reports by Provider or Recall Team.

403.5,4.5 CLINIC 0;2 POINTER TO HOSPITAL LOCATION FILE (#44) (Required) (audited)

HELP-PROMPT: Select the clinic that this Recall will be linked to.
DESCRIPTION: This is the Hospital Location which this patient will have the Recall entry assigned.

AUDIT: YES, ALWAYS
CROSS-REFERENCE: 403.5^E

1) = S ^SD(403.5,"E",$E(X,1,30),DA)=""
2) = K ^SD(403.5,"E",$E(X,1,30),DA)

Used during the display of Recall information and for selecting the printing of cards/letters, Also, used in selecting reports printed by Recall clinic.
403.5,4.7 LENGTH OF APPT.  0;9 NUMBER (audited)

INPUT TRANSFORM:  K:+X'=X!(X>120)!(X<10)!(X?.E1".N.N) X

LAST EDITED:  NOV 02, 2016

HELP-PROMPT:  Type a Number between 10 and 120, 0 Decimal Digits

DESCRIPTION:  The length of appointment (in minutes) that will be required once scheduled.

AUDIT:  YES, ALWAYS

403.5,5 RECALL DATE  0;6 DATE (Required)

INPUT TRANSFORM:  S %DT="EFX",%DT(0)=$$FMADD^XLFDT(DT,1) D ^%DT
K %DT(0) S X=Y K:Y<1 X

LAST EDITED:  JAN 14, 2016

HELP-PROMPT:  Enter the Recall Date that the provider has requested for this patient.

DESCRIPTION:  Recall Date is a date the provider has requested the patient to return. This must be a future exact date.

UNEDITABLE

NOTES:  XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

CROSS-REFERENCE:  403.5^D

1)= S ^SD(403.5,"D","E(X,1,30),DA=""
2)= K ^SD(403.5,"D","E(X,1,30),DA)

Used in selecting a date range for printing Recall cards/letters and in all Recall reports.

CROSS-REFERENCE:  ^^TRIGGER^403.5^7

1)= K DIV S DIV=X,D0=DA,DIV(0)=D0 S Y(1)=SS($D(^SD(403.5,D0,0))::(0),1:"")) S X=$P(Y(1),U,11),X =X S DIU=X K Y S X=DIV S X=DUZ S DIH=$G(^SD(403.5,DIV(0),0)),DIV=X S $P(^(0),U,11)=DIV,DIH=403 .5,DIG=7 D ^DICR
2)= Q

CREATE VALUE)= S X=DUZ
DELETE VALUE)= NO EFFECT
FIELD)= #7

Used to update USER THAT ENTER RECALL field #7

403.5,5.5 RECALL DATE (PER PATIENT) 0;12 DATE

INPUT TRANSFORM: S %DT="EFX",%DT(0)=$$FMADD^XLFDT(DT,1) D ^%DT
K %DT(0) S X=Y K:Y<1 X

LAST EDITED: JAN 14, 2016
HELP-PROMPT: Enter the Date that the patient is requesting for their Recall Visit.
DESCRIPTION: This is the Recall Date that the patient is requesting. It can be different from the Recall Date, which is what the Provider has requested. This must be a future exact date.

UNEDITABLE
NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

403.5,6 DATE REMINDER SENT 0;10 DATE

INPUT TRANSFORM: S %DT="E" D ^%DT S X=Y K:Y<1 X

LAST EDITED: JUL 15, 2008
HELP-PROMPT: Date letter/card first printed.
DESCRIPTION: This is the date that the first letter/card was printed and sent to the Veteran.

403.5,7 USER WHO ENTERED RECALL 0;11 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: APR 03, 2015
HELP-PROMPT: New person who entered or edited Recall entry
DESCRIPTION: User who enter or edit a Recall entry.
NOTES: TRIGGERED by the RECALL DATE field of the RECALL REMINDERS File RECORD INDEXES: AC (#1656)
403.5,7.5  DATE/TIME RECALL ADDED 0;14 DATE

INPUT TRANSFORM:  S %DT="ET" D ^%DT S X=Y K:(Y<1)!((X>$E($$NOW^XLF DT,1,12)) X
LAST EDITED:      JAN 14, 2016
HELP-PROMPT:      Enter a date and time not in the future
DESCRIPTION:      Date and Time this recall reminder was added. Cannot be in the
future.
UNEDITABLE
NOTES:            XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

RECORD INDEXES:   AC (#1656)

403.5,8  SECOND PRINT     0;13 DATE

INPUT TRANSFORM:  S %DT="E" D ^%DT S X=Y K:Y<1 X
LAST EDITED:      JUL 15, 2008
HELP-PROMPT:      Date for second printing of card or letter
DESCRIPTION:      This is the date that the second letter/card was printed and sent.

3.6.5.   #403.56 – RECALL REMINDERS REMOVED

STANDARD DATA DICTIONARY #403.56 -- RECALL REMINDERS REMOVED FILE
FEB 7,2018@14:01:01  PAGE 1
STORED IN ^SD(403.56,  (19304 ENTRIES)   SITE: TEST.CHEYENNE.MED.VA.GOV
UCI: CHEYL134,ROU                                                    (VERSION 5.3)
DATA          NAME                  GLOBAL        DATA
ELEMENT       TITLE                 LOCATION      TYPE
------------------------------------------------------------------
This file holds records deleted from the RECALL REMINDERS [#403.5] file,
whether deleted by the user or because they were given appointments.
(NOTE: Kernel's File Access Security has been installed in this UCI.)

CROSS
REFERENCED BY: PATIENT NAME(B), RECALL DATE(C)

INDEXED BY: DATE/TIME RECALL ADDED & USER WHO ENTERED RECALL (AC), CLINIC & RECALL DATE (D)

403.56,.01 PATIENT NAME 0;1 POINTER TO PATIENT FILE (#2)
(Required)

LAST EDITED: JUL 17, 2008
HELP-PROMPT: Select Recall Reminder patient.
DESCRIPTION: Recall Reminder Patient who has been removed from the Recall Reminder file.

CROSS-REFERENCE: 403.56^B
1) = S SD(403.56,"B",E(X,1,30),DA)="
2) = K SD(403.56,"B",E(X,1,30),DA)
Look up by Recall patient name.
403.56,2  ACCESSION #  0;3 FREE TEXT

INPUT TRANSFORM:  K:SL(X)>25!(SL(X)<1) X
LAST EDITED:  JUL 15, 2008
HELP-PROMPT:  Answer must be 1-25 characters in length.
DESCRIPTION:  Lab order number or accession number moved from the Recall File.

403.56,2.5  COMMENT  0;7 FREE TEXT

INPUT TRANSFORM:  K:SL(X)>80!(SL(X)<1) X
LAST EDITED:  JUL 15, 2008
HELP-PROMPT:  Answer must be 1-80 characters in length.
DESCRIPTION:  Comments that have been moved from the Recall Reminder File.

403.56,2.6  FAST / NON-FASTING  0;8 SET
  'f' FOR FASTING;
  'n' FOR NON-FASTING;
LAST EDITED:  JUL 15, 2008
HELP-PROMPT:  Either f - fasting, n - non fasting or blank for no labs
DESCRIPTION:  Fasting and Non fasting information moved from the Recall Reminder file.

403.56,3  TEST/APP  0;4 POINTER TO RECALL REMINDERS APPT TYPE FILE (#403.51)

LAST EDITED:  JUL 15, 2008
HELP-PROMPT:  Select from the available list of Test/App types
DESCRIPTION:  This is the type of Recall Visit that is assigned for this entry and has been moved from the Recall Reminder file.

403.56,4  PROVIDER  0;5 POINTER TO RECALL REMINDERS PROVIDERS
FILE (#403.54)

LAST EDITED: APR 27, 2015
HELP-PROMPT: Select from the available list of Recall Providers
DESCRIPTION: The provider who is assigned for this Recall entry.

403.56,4.5 CLINIC 0;2 POINTER TO HOSPITAL LOCATION FILE (#44)
LAST EDITED: JUL 17, 2008
HELP-PROMPT: Select the clinic at which the patient had the recall entry.
DESCRIPTION: Select from the Hospital Location for this Recall entry.

RECORD INDEXES: D (#839)

403.56,4.7 LENGTH OF APPT. 0;9 NUMBER

INPUT TRANSFORM: K:+X'=X!(X>120)!(X<10)!(X?.E1"1N.N) X
LAST EDITED: JUL 15, 2008
HELP-PROMPT: Type a Number between 10 and 120, 0 Decimal Digits
DESCRIPTION: The length of appointment that will be required once scheduled.

403.56,5 RECALL DATE 0;6 DATE

INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y<1 X
LAST EDITED: APR 27, 2015
HELP-PROMPT: Enter the appt date requested by the Provider.
DESCRIPTION: Recall date moved from Recall Reminder file once the patient had been removed.

CROSS-REFERENCE: 403.56^C

1)= S ^SD(403.56,"C",$E(X,1,30),DA)=""
2)= K ^SD(403.56,"C",$E(X,1,30),DA)
look up by Recall date for entries no longer active.
RECORD INDEXES: D (#839)

403.56,6 DATE REMINDER SENT 0;10 DATE

INPUT TRANSFORM: S %DT="E" D ^%DT S X=Y K:Y<1 X
LAST EDITED: JUL 17, 2008
HELP-PROMPT: Enter the date the Recall card or letter was printed and sent.
DESCRIPTION: Date the reminder was sent to the patient.

403.56,7 USER WHO ENTERED RECALL 0;11 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: APR 03, 2015
HELP-PROMPT: Select user who last entered or edited the recall entry.
DESCRIPTION: The person who entered or edited Recall entry.
RECORD INDEXES: AC (#1657)

403.56,7.5 DATE/TIME RECALL ADDED 0;12 DATE

INPUT TRANSFORM: S %DT="ET" D ^%DT S X=Y K:Y<1 X
LAST EDITED: APR 03, 2015
HELP-PROMPT: Enter a date and time
DESCRIPTION: Date and time this recall reminder was added.
RECORD INDEXES: AC (#1657)

403.56,101 APPT DATE 1;1 DATE

INPUT TRANSFORM: S %DT="ESTXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: JUL 17, 2008
HELP-PROMPT: Enter date of scheduled appointment.
DESCRIPTION: If the patient was deleted from the recall list because s/he got an appointment, this is the date/time of the appointment.
403.56,102 APPT CLINIC  1;2 POINTER TO HOSPITAL LOCATION FILE (#44)

LAST EDITED:    JUL 17, 2008  
HELP-PROMPT:    Select the clinic matching the Recall entry.  
DESCRIPTION:    If the patient was deleted from the recall list because s/he got an appointment, this is the clinic of the appointment.

403.56,201 DELETE DATE  2;1 DATE

INPUT TRANSFORM:  S %DT="ETXR" D ^%DT S X=Y K:Y<1 X  
LAST EDITED:    JUL 17, 2008  
HELP-PROMPT:    Enter the date the entry was cancelled or deleted.  
DESCRIPTION:    If the patient was deleted from the recall list because a clerk deleted him/her, this is the date/time of the deletion.

403.56,202 DELETE CLERK  2;2 POINTER TO NEW PERSON FILE (#200)

LAST EDITED:    JUL 17, 2008  
HELP-PROMPT:    Select the clerk who deleted or cancelled the Recall entry.  
DESCRIPTION:    If the patient was deleted from the recall list because a clerk deleted him/her, this is the clerk who deleted the patient.

403.56,203 DELETE REASON  2;3 SET

'1' FOR FAILURE TO RESPOND;  
'2' FOR MOVED;  
'3' FOR DECEASED;  
'4' FOR DOESN'T WANT VA SERVICES;  
'5' FOR RECEIVED CARE AT ANOTHER VA;  
'6' FOR OTHER;  
'7' FOR APPT SCHEDULED;

LAST EDITED:    JUL 17, 2008  
HELP-PROMPT:    Select the reason the entry was deleted or cancelled.  
DESCRIPTION:    The reason why a patient was removed from Recall.
3.6.6. #409.81 – SDEC APPLICATION FILE

STANDARD DATA DICTIONARY #409.81 -- SDEC APPLICATION FILE

FEB 7,2018@14:34:35 PAGE 1

STORED IN ^SDEC(409.81, *** NO DATA STORED YET *** SITE: TEST.CHEYENNE.MED.VA
.GOV UCI: CHEYL134,ROU (VERSION 5.3)

DATA NAME GLOBAL DATA
ELEMENT TITLE LOCATION TYPE

This is where Versions and Builds are recorded for Clinic Scheduling.

DD ACCESS:
RD ACCESS:
WR ACCESS:
DEL ACCESS:
LAYGO ACCESS:
AUDIT ACCESS:

(NOTE: Kernel's File Access Security has been installed in this UCI.)

CROSS REFERENCED BY: MAJOR VERSION(B)

409.81,.01 MAJOR VERSION 0;1 FREE TEXT (Required)

INPUT TRANSFORM: K:$L(X)>30!(SL(X)<1)!'(X'?1P.E) X
LAST EDITED: AUG 08, 2014
### 3.6.7. #409.822 – SDEC ACCESS GROUP

STANDARD DATA DICTIONARY #409.822 -- SDEC ACCESS GROUP FILE

FEB 7, 2018 @ 14:34:53 PAGE 1

STORED IN ^SDEC(409.822, *** NO DATA STORED YET *** SITE: TEST.CHEYENNE.MED.V

A.GOV UCI: CHEYL134,ROU (VERSION 5.3)

<table>
<thead>
<tr>
<th>DATA</th>
<th>NAME</th>
<th>GLOBAL</th>
<th>DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEMENT</td>
<td>TITLE</td>
<td>LOCATION</td>
<td>TYPE</td>
</tr>
</tbody>
</table>
This is where Access Groups are defined. These Groups are sometimes termed as 'department'. These are used to 'group' access types to tie together a group of Resources that may be selected from.

- DD ACCESS:
- RD ACCESS:
- WR ACCESS:
- DEL ACCESS:
- LAYGO ACCESS:
- AUDIT ACCESS:

(NOTE: Kernel's File Access Security has been installed in this UCI.)

POINTED TO BY: ACCESS GROUP field (#.01) of the SDEC ACCESS GROUP TYPE File (#409.824)

CROSS
REFERENCED BY: ACCESS GROUP(B)

409.822,.01 ACCESS GROUP 0;1 FREE TEXT (Required)

INPUT TRANSFORM: K:$L(X)>30!($L(X)<3)'(X'?1P.E) X
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Answer must be 3-30 characters in length.
DESCRIPTION: The name of this access group.

CROSS-REFERENCE: 409.822^B
  1)= S ^SDEC(409.822,"B",SE(X,1,30),DA)="
  2)= K ^SDEC(409.822,"B",SE(X,1,30),DA)
3.6.8. #409.823 – SDEC ACCESS TYPE

STANDARD DATA DICTIONARY #409.823 -- SDEC ACCESS TYPE FILE
FEB 7,2018@14:35:05 PAGE 1
STORED IN ^SDEC(409.823, (3 ENTRIES) SITE: TEST.CHEYENNE.MED.VA.GOV
UCI: CHEYL134,ROU (VERSION 5.3)

DATA NAME GLOBAL DATA
ELEMENT TITLE LOCATION TYPE

This is where Access Types are defined. The Resource object points to this file. This is where the Group (or department) is linked to a resource and where the colors are defined for the calendar.

DD ACCESS:
RD ACCESS:
WR ACCESS:
DEL ACCESS:
LAYGO ACCESS:
AUDIT ACCESS:

(NOTE: Kernel's File Access Security has been installed in this UCI.)

POINTED TO BY: ACCESS TYPE field (#.05) of the SDEC ACCESS BLOCK File (#409.821)
ACCESS TYPE field (#.02) of the SDEC ACCESS GROUP TYPE File (#409.824)

CROSS REFERENCED BY: ACCESS TYPE NAME(B)

409.823,.01 ACCESS TYPE NAME 0;1 FREE TEXT (Required)
INPUT TRANSFORM: K:SL(X)>30!(SL(X)<3)!(X'?1P.E) X
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Answer must be 3-30 characters in length.
DESCRIPTION: The name of this access type.

CROSS-REFERENCE: 409.823^B
1) S ^SDEC(409.823,"B",SE(X,1,30),DA)="
2) K ^SDEC(409.823,"B",SE(X,1,30),DA)

409.823,.02 INACTIVE 0;2 SET
'1' FOR YES;
'0' FOR NO;
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Enter 1 or YES if this access type is inactive. Enter 0 or NO if this access type is active.
DESCRIPTION: Yes/No field indicating that this access type has been inactivated.

409.823,.03 DEPARTMENT NAME 0;3 POINTER TO SDEC RESOURCE GROUP FILE (#409.832)
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Select a department
DESCRIPTION: A Resource Group can also be referred to as a department. This is the Resource Group that this access type belongs to.

409.823,.04 DISPLAY COLOR 0;4 FREE TEXT
INPUT TRANSFORM: K:SL(X)>30!(SL(X)<1) X
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Answer must be 1-30 characters in length.
DESCRIPTION: Free-Text name of the color used to display the block for this access type.

409.823,.05 RED 0;5 NUMBER

INPUT TRANSFORM: K:+X'=X!(X>255)!(X<0)!(X?.E1".1N.N) X
HELP-PROMPT: Type a number between 0 and 255, 0 decimal digits.
DESCRIPTION: This is the numeric color code for the degree of the RED rgb attribute used in displaying a block for this access type.

409.823,.06 GREEN 0;6 NUMBER
INPUT TRANSFORM: K:+X'=X!(X>255)!(X<0)!(X?.E1".1N.N) X
HELP-PROMPT: Type a number between 0 and 255, 0 decimal digits.
DESCRIPTION: This is the numeric color code for the degree of the GREEN rgb attribute used in displaying a block for this access type.

409.823,.07 BLUE 0;7 NUMBER
INPUT TRANSFORM: K:+X'=X!(X>255)!(X<0)!(X?.E1".1N.N) X
HELP-PROMPT: Type a number between 0 and 255, 0 decimal digits.
DESCRIPTION: This is the numeric color code for the degree of the BLUE rgb attribute used in displaying a block for this access type.

409.823,.08 PREVENT ACCESS 0;8 SET
'1' FOR YES;
'0' FOR NO;
HELP-PROMPT: Enter 1 or YES if the client should prevent access to this access type. Enter 0 or NO if the client should be allowed access to this access type.
DESCRIPTION: This field is used by the client to show this access type as a read-only block.

FILES POINTED TO FIELDS
SDEC RESOURCE GROUP (#409.832) DEPARTMENT NAME (#.03)

3.6.9. #409.824 – SDEC ACCESS GROUP TYPE

STANDARD DATA DICTIONARY #409.824 -- SDEC ACCESS GROUP TYPE FILE
This is where Access Groups and Access Types are paired together. This is used to group Resources.

DD ACCESS:
RD ACCESS:
WR ACCESS:
DEL ACCESS:
LAYGO ACCESS:
AUDIT ACCESS:

(Note: Kernel's File Access Security has been installed in this UCI.)

CROSS REFERENCED BY: ACCESS GROUP(B)

409.824,.01 ACCESS GROUP 0;1 POINTER TO SDEC ACCESS GROUP FILE (#409.822) (Required)

Last Edited: AUG 12, 2014
Help-Prompt: Select an access group
Description: The access group that is to be linked to an access type.

Cross-Reference: 409.824^B
1) = S ^SDEC(409.824,"B",$E(X,1,30),DA)=""
2) = K ^SDEC(409.824,"B",$E(X,1,30),DA)
This is where a Resource object is defined for Clinical Scheduling. A Resource Object can be a NEW PERSON, HOSPITAL LOCATION, or an SDEC ADDITIONAL RESOURCE. A Resource is linked to a HOSPITAL LOCATION (or Clinic).

DD ACCESS:
RD ACCESS:
WR ACCESS:
DEL ACCESS:
LAYGO ACCESS:
AUDIT ACCESS:
(NOTE: Kernel's File Access Security has been installed in this UCI.)

POINTED TO BY: RESOURCE field (#.01) of the SDEC ACCESS BLOCK File (#409.821)
       RESOURCE field (#.01) of the RESOURCE sub-field (#409.8321) of the SDEC
       RESOURCE GROUP File (#409.832) RESOURCENAME field (#.01) of the SDEC
       RESOURCE USER File (#409.833) RESOURCE field (#.07) of the SDEC APPOINTMENT
       File (#409.84)

CROSS REFERENCED BY: HOSPITAL LOCATION(ALOC), ASSOCIATED VISTA
       CLINICS(ASSOC), RESOURCE(B), ABBREVIATION(C)

INDEXED BY: RESOURCE TYPE & RESOURCE TYPE (AC)

409.831,.01 RESOURCE 0;1 FREE TEXT (Required)

   INPUT TRANSFORM: K:$L(X)>30!($L(X)<3) X
   LAST EDITED: SEP 16, 2014
   HELP-PROMPT: Answer must be 3-30 characters in length.
   DESCRIPTION: The name for this resource.

   CROSS-REFERENCE: 409.831^B
       1)= S ^SDEC(409.831,"B",$E(X,1,30),DA)="
       2)= K ^SDEC(409.831,"B",$E(X,1,30),DA)

409.831,.011 ABBREVIATION 0;2 FREE TEXT

   INPUT TRANSFORM: K:$L(X)>7!($L(X)<1) X
   LAST EDITED: DEC 27, 2016
   HELP-PROMPT: Answer must be 1-7 characters in length.
   DESCRIPTION: Abbreviation given to the Resource.

   CROSS-REFERENCE: 409.831^C
       1)= S ^SDEC(409.831,"C",$E(X,1,30),DA)="
This xref is used to lookup RESources using an abbreviation.

409.831,.012 RESOURCE TYPE 0;11 VARIABLE POINTER

FILE ORDER PREFIX LAYGO MESSAGE
44 1 H y CLINIC
200 2 P y PROVIDER
409.834 3 A y ADDITIONAL RESOURCE

OUTPUT TRANSFORM: S Y=$$$OT1^SDEC03(Y)

LAST EDITED: OCT 27, 2015
HELP-PROMPT: Select a Resource Type
DESCRIPTION: This is a variable pointer field that can point to HOSPITAL LOCATION file 44, NEW PERSON file 200, or SDEC ADDITIONAL RESOURCE file 409.834.

FIELD INDEX: AC (#1678) REGULAR IR SORTING ONLY

Short Descr: Index of RESOURCE TYPE
Description: This cross-reference is built from both pieces of the RESOURCE TYPE variable pointer field to speed up the sorting of resources when given a specific source and ID. The sources could be HOSPITAL LOCATION, NEW PERSON, or SDEC ADDITIONAL RESOURCE.

Set Logic: S ^SDEC(409.831,"AC",X(1),X(2),DA)="
Kill Logic: K ^SDEC(409.831,"AC",X(1),X(2),DA)
Whole Kill: K ^SDEC(409.831,"AC")

X(1): RESOURCE TYPE (409.831,.012) (Subscr 1) (forwards)
Transform (Storage): S X=$E($$OT1^SDEC03(X),1)

X(2): RESOURCE TYPE (409.831,.012) (Subscr 2) (forwards)
Transform (Storage): S X=$P(X,";",1)

409.831,.015 DATE/TIME ENTERED 0;5 DATE

INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K=Y<1 X
HELP-PROMPT: Enter a date and time
DESCRIPTION: This is the Date and time that this Resource was added.

409.831,.016 ENTERED BY USER 0;6 POINTER TO NEW PERSON FILE (#200)
HELP-PROMPT: Select a user
DESCRIPTION: This is the user that defined this resource.

409.831,.02 INACTIVE ; COMPUTED
MUMPS CODE: S X=$$XRC1^SDEC03(DA)
ALGORITHM: S X=$$XRC1^SDEC03(DA)
HELP-PROMPT: Is this resource inactive (yes/no)
DESCRIPTION: This computed field displays the inactive status of this resource. NO means this resource is not inactive (is active). YES means this resource inactive.

409.831,.021 INACTIVATED DATE/TIME 0;7 DATE
INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
HELP-PROMPT: Enter a date and time
DESCRIPTION: This is the date and time this resource was inactivated.

409.831,.022 INACTIVATED BY USER 0;8 POINTER TO NEW PERSON FILE (#200)
HELP-PROMPT: Select a user
DESCRIPTION: This is the user that inactivated this resource.

409.831,.025 REACTIVATED DATE/TIME 0;9 DATE
INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
HELP-PROMPT: Enter a date and time
DESCRIPTION: This is the date and time this resource was re-activated.
REACTIVATED BY USER 0;10 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: OCT 29, 2014

HELP-PROMPT: Select a user

DESCRIPTION: This is the user that re-activated this resource.

TIME SCALE 0;3 SET

'5' FOR 5;
'10' FOR 10;
'15' FOR 15;
'20' FOR 20;
'30' FOR 30;
'60' FOR 60;

LAST EDITED: AUG 12, 2014

HELP-PROMPT: Select time scale

DESCRIPTION: This is where the Time Scale is defined for this resource. The time scale is in Minutes and can be 5, 10, 15, 20, 30, or 60 minutes.

HOSPITAL LOCATION 0;4 POINTER TO HOSPITAL LOCATION FILE (#44)

LAST EDITED: AUG 12, 2014

HELP-PROMPT: Select a hospital location

DESCRIPTION: This is where a HOSPITAL LOCATION (or Clinic) is linked to this Resource.

CROSS-REFERENCE: 409.831^ALOC

1) S ^SDEC(409.831,"ALOC",$E(X,1,30),DA)="

2) K ^SDEC(409.831,"ALOC",$E(X,1,30),DA)

This "ALOC" xref is used to look up an SDEC RESOURCE record using a HOSPITAL LOCATION id.

LETTER TEXT 1;0 WORD-PROCESSING #409.8311

(IGNORE "|

DESCRIPTION: This is where the LETTER TEXT for a Resource is defined.
409.831,1201 NO SHOW LETTER  12;0 WORD-PROCESSING #409.8311201
(IGNORE ":")

DESCRIPTION: This is where the NO SHOW LETTER is defined for this Resource.

409.831,1301 CLINIC CANCELLATION LETTER 13;0 WORD-PROCESSING #409.8311301
(IGNORE ":")

DESCRIPTION: This is where the CLINIC CANCELLATION LETTER is defined for this Resource.

409.831,2001 ASSOCIATED VISTA CLINICS 20;0 POINTER Multiple #409.8312001

DESCRIPTION: Additional HOSPITAL LOCATIONs (or Clinics) can be listed here for this Resource.

409.8312001,.01 ASSOCIATED VISTA CLINICS 0;1 POINTER TO HOSPITAL LOCATION FILE

(#44) (Multiply asked)

LAST EDITED: DEC 10, 2014
HELP-PROMPT: Select a clinic
DESCRIPTION: Additional HOSPITAL LOCATIONs (or Clinics) can be listed here for this Resource.

CROSS-REFERENCE: 409.8312001^B
  1)= S ^SDEC(409.831,DA(1),20,"B",$E(X,1,30),DA) ="
  2)= K ^SDEC(409.831,DA(1),20,"B",$E(X,1,30),DA)

CROSS-REFERENCE: 409.831^ASSOC
  1)= S ^SDEC(409.831,"ASSOC","$E(X,1,30),DA(1),DA)="
This "ASSOC" xref is used to find a SDEC RESOURCE record using a HOSPITAL LOCATION id that was used in the ASSOCIATED VISTA CLINICS multiple.

---

### 3.6.11. #409.832 – SDEC RESOURCE GROUP

STANDARD DATA DICTIONARY #409.832 – SDEC RESOURCE GROUP FILE  
FEB 7,2018@14:36:02  PAGE 1

STORED IN SDEC(409.832, (28 ENTRIES)  SITE: TEST.CHEYENNE.MED.VA.GOV  
UCI: CHEYL134,ROU  (VERSION 5.3)

<table>
<thead>
<tr>
<th>DATA ELEMENT</th>
<th>NAME</th>
<th>GLOBAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE</td>
<td>LOCATION</td>
<td>TYPE</td>
</tr>
</tbody>
</table>

This is where Resources are 'grouped' with other Resources.

- **DD ACCESS:**
- **RD ACCESS:**
- **WR ACCESS:**
- **DEL ACCESS:**
- **LAYGO ACCESS:**
- **AUDIT ACCESS:**

**(NOTE: Kernel's File Access Security has been installed in this UCI.)**

**POINTED TO BY:** DEPARTMENT NAME field (#.03) of the SDEC ACCESS TYPE File (#409.823)

**CROSS REFERENCED BY:** RESOURCE(AB), NAME(B)
409.832,.01 NAME 0;1 FREE TEXT (Required)

INPUT TRANSFORM:  K:$L(X)>30!(S$L(X)<3)!'(X'!P.E) X

LAST EDITED: OCT 16, 2014

HELP-PROMPT: Answer must be 3-30 characters in length.

DESCRIPTION: Free-Text entry to define the Resource Group name.

CROSS-REFERENCE: 409.832^B
1)= S ^SDEC(409.832,"B",$E(X,1,30),DA)="
2)= K ^SDEC(409.832,"B",$E(X,1,30),DA)

409.832,.02 INACTIVATION DATE 0;2 DATE

INPUT TRANSFORM:  S %DT="ETX" D ^%DT S X=Y K:Y<1 X

LAST EDITED: OCT 20, 2014

HELP-PROMPT: Enter a date. Time is optional.

DESCRIPTION: Date/Time in which this Resource Group was inactivated. Time is optional.

409.832,1 RESOURCE 1;0 POINTER Multiple #409.8321

DESCRIPTION: These are the Resources (SDEC RESOURCE) that belong to this Resource Group.

409.8321,.01 RESOURCE 0;1 POINTER TO SDEC RESOURCE FILE (#409.831) (Multiply asked)

LAST EDITED: AUG 12, 2014

HELP-PROMPT: Select a resource

DESCRIPTION: Resource (SDEC RESOURCE) that belongs to this Resource Group.

CROSS-REFERENCE: 409.8321^B
1)= S ^SDEC(409.832,DA(1),1,"B",$E(X,1,30),DA)="
2)= K ^SDEC(409.832,DA(1),1,"B",$E(X,1,30),DA)
CROSS-REFERENCE: 409.832^AB

1) = S SDEC(409.832,"AB",$E(X,1,30),DA(1),DA)=""

2) = K SDEC(409.832,"AB",$E(X,1,30),DA(1),DA)

This "AB" xref is used to find a SDEC RESOURCE GROUP record using a SDEC RESOURCE id.

3.6.12. #409.833 – SDEC RESOURCE USER

STANDARD DATA DICTIONARY #409.833 -- SDEC RESOURCE USER FILE

FEB 7, 2018 @ 14:46:26 PAGE 1

STORED IN SDEC(409.833, (2928 ENTRIES) SITE: TEST.CHEYENNE.MED.VA.GOV
UCI: CHEYL134,ROU (VERSION 5.3)

<table>
<thead>
<tr>
<th>DATA ELEMENT</th>
<th>NAME</th>
<th>GLOBAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TITLE</td>
<td>LOCATION</td>
</tr>
<tr>
<td></td>
<td>TYPE</td>
<td></td>
</tr>
</tbody>
</table>

This is where a NEW PERSON user is linked to a Resource (SDEC RESOURCE). The user's ability to Overbook, Modify Schedules, and modify appointments are defined here.

DD ACCESS:
RD ACCESS:
WR ACCESS:
DEL ACCESS:
LAYGO ACCESS:
AUDIT ACCESS:

(NOTE: Kernel's File Access Security has been installed in this UCI.)

CROSS REFERENCED BY: USERNAME(AC), RESOURCENAME(B)
INDEXED BY: RESOURCENAME & USERNAME (AD)

409.833,.01 RESOURCENAME 0;1 POINTER TO SDEC RESOURCE FILE (#409.831) (Required)

  LAST EDITED: AUG 12, 2014
  HELP-PROMPT: Select a resource
  DESCRIPTION: This is the Resource (SDEC RESOURCE) that is to be linked to a user (NEW PERSON).
  CROSS-REFERENCE: 409.833^B
    1) = S ^SDEC(409.833,"B",$E(X,1,30),DA)="
    2) = K ^SDEC(409.833,"B",$E(X,1,30),DA)

  RECORD INDEXES: AD (#1661)

409.833,.02 USERNAME 0;2 POINTER TO NEW PERSON FILE (#200)

  LAST EDITED: AUG 12, 2014
  HELP-PROMPT: Select the user who is linked to the Resource.
  DESCRIPTION: This is the user (NEW PERSON file) that will be linked to a Resource (SDEC RESOURCE file).
  CROSS-REFERENCE: 409.833^AC
    1) = S ^SDEC(409.833,"AC",$E(X,1,30),DA)="
    2) = K ^SDEC(409.833,"AC",$E(X,1,30),DA)

This AC xref is used to look up the SDEC RESOURCE USER record using the given User (NEW PERSON).

  RECORD INDEXES: AD (#1661)

409.833,.03 OVERBOOK 0;3 SET

'1' FOR YES;
'0' FOR NO;
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Enter 1 or YES if this user is allowed to overbook. Enter 0 or NO if this user is not allowed to overbook.
DESCRIPTION: Define if this user has Overbook privileges.

409.833,.04 MODIFY SCHEDULE 0;4 SET
  '1' FOR YES;
  '0' FOR NO;
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Enter 1 or YES if this user is allowed to modify schedules. Enter 0 or NO if this user is not allowed to modify schedules.
DESCRIPTION: Define if this user can Modify Schedules.

409.833,.05 MODIFY APPOINTMENTS 0;5 SET
  '1' FOR YES;
  '0' FOR NO;
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Enter 1 or YES if this user is allowed to modify appointments. Enter 0 or NO if this user is not allowed to modify appointments.
DESCRIPTION: Define if this user can Modify Appointments.

409.833,.06 MASTEROVERBOOK 0;6 SET
  '1' FOR YES;
  '0' FOR NO;
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Enter 1 or YES if this user has master overbook privileges. Enter 0 or NO if this user does not have these privileges.
DESCRIPTION: Define if this user has Master Overbook capabilities.

FILES POINTED TO FIELDS
NEW PERSON (#200) USERNAME (#.02)
SDEC RESOURCE (#409.831)  RESOURCENAME (#.01)

File #409.833

Record Indexes:

AD (#1661)  RECORD  REGULAR  IR  SORTING ONLY
  Short Descr:  Index by RESOURCENAME and USERNAME.
  Description:  This cross reference is used to sort by RESOURCENAME and USERNAME.
    Set Logic:  S ^SDEC(409.833,"AD",X(1),X(2),DA)=""
    Kill Logic:  K ^SDEC(409.833,"AD",X(1),X(2),DA)
    Whole Kill:  K ^SDEC(409.833,"AD")
      X(1):  RESOURCENAME (409.833,.01) (Subscr 1) (forwards)
      X(2):  USERNAME (409.833,.02) (Subscr 2) (forwards)

3.6.13.  #409.834 – SDEC ADDITIONAL RESOURCE

STANDARD DATA DICTIONARY #409.834 – SDEC ADDITIONAL RESOURCE FILE
  FEB 7,2018@14:46:42  PAGE 1
STORED IN ^SDEC(409.834,  *** NO DATA STORED YET ***   SITE:
TEST.CHEYENNE.MED.V
A.GOV  UCI: CHEYL134,ROU                     (VERSION 5.3)

DATA   NAME                  GLOBAL        DATA
ELEMENT  TITLE                 LOCATION      TYPE
------------------------------------------------------------------
This file is as used a source file for items that are to be defined as a resource, but do not fit into a
typical Resource source file.  SDEC RESOURCE points to this file.

   DD ACCESS:
   RD ACCESS:
   WR ACCESS:
DEL ACCESS:
LAYGO ACCESS:
AUDIT ACCESS:

(NOTE: Kernel's File Access Security has been installed in this UCI.)

POINTED TO BY: RESOURCE TYPE field (#.012) of the SDEC RESOURCE File (#409.831)

CROSS REFERENCED BY: NAME(B)

409.834,.01 NAME 0;1 FREE TEXT (Required)

INPUT TRANSFORM: K:SL(X)>30!($L(X)<3)!'(X'?1P.E) X
LAST EDITED: SEP 15, 2014
HELP-PROMPT: Answer must be 3-30 characters in length.
DESCRIPTION: Name of this resource.

CROSS-REFERENCE: 409.834^B

1)= S ^SDEC(409.834,"B",$E(X,1,30),DA)=""
2)= K ^SDEC(409.834,"B",$E(X,1,30),DA)

409.834,2 INACTIVE 0;2 SET

'1' FOR YES;
'0' FOR NO;
LAST EDITED: SEP 15, 2014
HELP-PROMPT: Enter 1 or YES if this additional resource is inactive. Enter 0 or NO if this additional resource is active.
DESCRIPTION: Yes/No field to indicate that this resource is inactive.

3.6.14. #409.84 – SDEC APPOINTMENT
This is where appointment definitions are linked to a resource.

<table>
<thead>
<tr>
<th>DATA ELEMENT</th>
<th>NAME</th>
<th>GLOBAL DATA</th>
<th>LOCATION</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>THIS IS WHERE APPOINTMENT DEFINITIONS ARE LINKED TO A RESOURCE.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DD ACCESS:**

**RD ACCESS:**

**WR ACCESS:**

**DEL ACCESS:**

**LAYGO ACCESS:**

**AUDIT ACCESS:**

*(NOTE: Kernel's File Access Security has been installed in this UCI.)*

**POINTED TO BY:** MULT APPTS MADE field (#.02) of the MULT APPTS MADE sub-field (#409.852) of the SDEC APPT REQUEST File (#409.85)

**CROSS REFERENCED BY:** DATE APPT MADE(AC), CANCEL DATETIME(AD), EXTERNAL ID(AEX), RESOURCE(ARSRC), STARTTIME(B), PATIENT(CPAT)

**409.84,.01 STARTTIME**

*0;1 DATE (Required)*

**INPUT TRANSFORM:**

*S %DT="ETXR" D ^%DT S X=Y K:Y<1 X*

**LAST EDITED:** OCT 21, 2014

**HELP-PROMPT:** Enter a date and time

**DESCRIPTION:** Date and Time this appointment is scheduled to start.
409.84,.02 ENDTIME 0;2 DATE (Required)

INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: OCT 21, 2014
HELP-PROMPT: Enter a date and time
DESCRIPTION: The date and time that this appointment ended.

409.84,.03 CHECKIN 0;3 DATE

INPUT TRANSFORM: S %DT="ETR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: NOV 03, 2014
HELP-PROMPT: Enter a date and time
DESCRIPTION: Date and Time of the Check-In for this appointment.

409.84,.04 CHECK IN TIME ENTERED 0;4 DATE

INPUT TRANSFORM: S %DT="ETR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: NOV 03, 2014
HELP-PROMPT: Enter a date and time
DESCRIPTION: Date/Time the Check-In was entered.

409.84,.05 PATIENT 0;5 POINTER TO PATIENT/IHS FILE (#9000001)

LAST EDITED: AUG 12, 2014
HELP-PROMPT: Select a patient
DESCRIPTION: This is the patient that this appointment is scheduled for.

CROSS-REFERENCE: 409.84^CPAT
1)= S ^SDEC(409.84,"CPAT",$E(X,1,30),DA)=""

2) = K ^SDEC(409.84,"CPAT",$E(X,1,30),DA)
This xref is used to look up appointments by Patient.

409.84,.06  APPOINTMENT TYPE  0;6 POINTER TO APPOINTMENT TYPE FILE (#409.1)
  LAST EDITED:  MAY 22, 2015
  HELP-PROMPT:  Select an appointment type.
  DESCRIPTION:  This field represents the Appointment Type.
  TECHNICAL DESCRIPT:  This field is a pointer to the APPOINTMENT TYPE file 409.1.

409.84,.07  RESOURCE  0;7 POINTER TO SDEC RESOURCE FILE (#409.831)
  LAST EDITED:  AUG 12, 2014
  HELP-PROMPT:  Select a resource
  DESCRIPTION:  This field represents the resource that is scheduled for this appointment.
  CROSS-REFERENCE:  409.84^ARSRC^MUMPS
    1) = D XR2S^SDEC03(DA)
    2) = D XR2K^SDEC03(DA)
  This index is used to find all appointments for a given resource during a given time period.

409.84,.08  DATA ENTRY CLERK  0;8 POINTER TO NEW PERSON FILE (#200)
  LAST EDITED:  AUG 12, 2014
  HELP-PROMPT:  Select the clerk who entered this appointment.
  DESCRIPTION:  Field contains the ien of the clerk who made the appointment.

409.84,.09  DATE APPT MADE  0;9 DATE
  INPUT TRANSFORM:  S %DT="EX" D ^%DT S X=Y K:Y<1 X
  LAST EDITED:  JAN 26, 2016
  HELP-PROMPT:  Enter a date
  DESCRIPTION:  Field contains the date the appointment was made.
  CROSS-REFERENCE:  409.84^AC
This cross-reference is used to sort SDECAPPOINTMENT entries by the DATE APPOINTMENT MADE field.

409.84,.1 NOSHOW 0;10 SET

'1' FOR YES;
'0' FOR NO;
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Enter 1 or YES if this appointment was a No-Show. Enter 0 or NO if this appointment was not a No-Show.
DESCRIPTION: Yes/No field indicating this appointment was a No-Show.

409.84,.101 NOSHOW DATETIME 0;23 DATE

INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: OCT 21, 2014
HELP-PROMPT: Enter a date and time
DESCRIPTION: This is the Date/Time that the No-Show was entered.

409.84,.102 NOSHOW BY USER 0;24 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: OCT 15, 2014
HELP-PROMPT: Select the user that entered the No-Show
DESCRIPTION: This is the User that entered the No-Show.

409.84,.11 REBOOK DATETIME 0;11 DATE

INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: OCT 21, 2014
HELP-PROMPT: Enter a date and time
DESCRIPTION: This the date and time that the rebooking was entered.

409.84,.12 CANCEL DATETIME 0;12 DATE
INPUT TRANSFORM:  S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED:  MAR 07, 2016
HELP-PROMPT:  Enter cancellation date and time
DESCRIPTION:  The date/time the cancellation was entered.

CROSS-REFERENCE:  409.84^AD
   1)= S ^SDEC(409.84,"AD",$E(X,1,30),DA)=""
   2)= K ^SDEC(409.84,"AD",$E(X,1,30),DA)
   This cross-reference is used to sort SDEC APPOINTMENT entries by the CANCEL DATETIME field.

409.84,.121  CANCELLED BY USER  0;21 POINTER TO NEW PERSON FILE (#200)
LAST EDITED:  OCT 14, 2014
HELP-PROMPT:  Select the user who entered this cancellation.
DESCRIPTION:  This is the user that entered the cancellation.

409.84,.122  CANCELLATION REASON  0;22 POINTER TO CANCELLATION REASONS FILE (#409.2)
LAST EDITED:  OCT 14, 2014
HELP-PROMPT:  Select a cancellation reason
DESCRIPTION:  Reason for Cancellation that was selected from the CANCELLATION REASON file 409.2.

409.84,.13  WALKIN  0;13 SET
   'y' FOR YES;
   'n' FOR NO;
LAST EDITED:  AUG 12, 2014
HELP-PROMPT:  Enter y or YES if this is a walk-in appointment. Enter n or NO if this is not a walk-in appointment.
DESCRIPTION:  Yes/No field to indicate that this appointment was a Walk-in or adhoc appointment.
409.84,.14 CHECKOUT 0;14 DATE
INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: OCT 21, 2014
HELP-PROMPT: Enter checkout date and time
DESCRIPTION: CHECKOUT DATE/TIME FOR APPOINTMENT.

409.84,.15 V PROVIDER IEN 0;15 POINTER TO V PROVIDER FILE (#9000010.06)
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Select provider
DESCRIPTION: V PROVIDER IEN is the pointer to the V PROVIDER file for the patient.

409.84,.16 PROVIDER 0;16 POINTER TO NEW PERSON FILE (#200)
LAST EDITED: AUG 12, 2014
HELP-PROMPT: Select a provider
DESCRIPTION: The primary provider for this appointment.

409.84,.17 STATUS 0;17 SET
'N' FOR NO-SHOW;
'C' FOR CANCELLED BY CLINIC;
'NA' FOR NO-SHOW & AUTO RE-BOOK;
'CA' FOR CANCELLED BY CLINIC & AUTO RE-BOOK;
'I' FOR INPATIENT APPOINTMENT;
'PC' FOR CANCELLED BY PATIENT;
'PCA' FOR CANCELLED BY PATIENT & AUTO-REBOOK;
'NT' FOR NO ACTION TAKEN;
LAST EDITED: JUN 18, 2015
HELP-PROMPT: Select an appointment status
DESCRIPTION: Populated by SDEC CANCEL APPOINTMENT in the event there is an 'undo' of a Cancelled Appointment.
409.84,.18 LENGTH OF APPT 0;18 NUMBER

INPUT TRANSFORM: K:+X'=X!(X>120)!(X<5)!(X?.E1"."1N.N) X

LAST EDITED: AUG 12, 2014

HELP-PROMPT: Type a number between 5 and 120, 0 decimal digits.

DESCRIPTION: This represents the length of this appointment in minutes. This is populated when an appointment is cancelled and is used in the event that the appointment is re-instanted.

409.84,.19 PREV APPT STATUS 0;19 POINTER TO APPOINTMENT STATUS FILE (#409.63)

LAST EDITED: AUG 12, 2014

HELP-PROMPT: Select an appointment status

DESCRIPTION: Pointer to APPOINTMENT STATUS file; used to restore status in visit encounter in the event that a user re-instantes the appointment after a ‘cancel’ has been processed.

409.84,.2 DESIRED DATE OF APPOINTMENT 0;20 DATE

INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y<1 X

LAST EDITED: OCT 22, 2014

HELP-PROMPT: Enter the desired date for this appointment.

DESCRIPTION: This is the appointment date that is needed/desired.

409.84,.21 EXTERNAL ID 0;25 FREE TEXT

INPUT TRANSFORM: K:$L(X)>50!($L(X)<1) X

LAST EDITED: OCT 16, 2014

HELP-PROMPT: Answer must be 1-50 characters in length.

DESCRIPTION: This is used to hold an external identifier.

CROSS-REFERENCE: 409.84^AEX

1) S ^SDEC(409.84,"AEX",$E(X,1,30),DA)=""
2) K ^SDEC(409.84,"AEX",$E(X,1,30),DA)

Used to lookup the SDEC APPOINTMENT ien using the external ID.
409.84,.22  APPT REQUEST TYPE  2;1  VARIABLE POINTER

FILE ORDER PREFIX   LAYGO MESSAGE

409.3  1  E  y  EWL
123  2  C  y  CONSULT
403.5  3  R  y  RECALL
409.85  4  A  y  APPT

OUTPUT TRANSFORM: S

Y=$S($P(Y,"","",2)="SDWL(409.3,"","",2)="GMR(123,"","",2)="SD(403.5,"","",2)="SDEC(409.85,"","",2)="APPT",1:""

LAST EDITED: SEP 10, 2015
HELP-PROMPT: Select from SD WAIT LIST, REQUEST/CONSULTATION, SDEC APPT REQUEST, or RECALL REMINDERS.
DESCRIPTION: This Variable Pointer field holds a pointer to either the SD WAIT LIST file, REQUEST/CONSULTATION file, SDEC APPT REQUEST, or RECALL REMINDERS file.

409.84,.23  PATIENT STATUS  2;2 SET

'E' FOR NEW;
'E' FOR ESTABLISHED;

LAST EDITED: JUN 09, 2015
HELP-PROMPT: Enter N or NEW if the patient is a new patient. Enter E or ESTABLISHED if this patient has been seen in the past 24 months.
DESCRIPTION: This field represents the status of the patient in regards to being a 'NEW' or 'ESTABLISHED' patient. An ESTABLISHED patient has been seen within the past 24 months.

409.84,1  NOTE  1;0  WORD-PROCESSING #409.841

(IGNORE "|")
DESCRIPTION: This holds the text regarding the reason for the appointment.

3.6.15. #409.845 – SDEC PREFERENCES AND SPECIAL NEEDS
This is where Patient Preferences are defined for Patients.

**DD ACCESS:**

**RD ACCESS:**

**WR ACCESS:**

**DEL ACCESS:**

**LAYGO ACCESS:**

**AUDIT ACCESS:**

(NOTE: Kernel's File Access Security has been installed in this UCI.)

**CROSS REFERENCED BY:** PATIENT(B)

409.845,.01 PATIENT 0;1 POINTER TO PATIENT FILE (#2)

(Required)

**LAST EDITED:** AUG 28, 2014

**HELP-PROMPT:** Select a patient

**DESCRIPTION:** This is where the PATIENT is defined for the Patient Preferences.

**CROSS-REFERENCE:** 409.845^B

1) = S ^SDEC(409.845,"B",$E(X,1,30),DA)=""

2) = K ^SDEC(409.845,"B",$E(X,1,30),DA)
Multiple patient preferences are defined here for a specific patient.

Select a preference

The specific preference being defined for this patient.

Enter a date. Time is optional.
DESCRIPTION: Date/Time this preference was added. Time is optional.

409.8451,3  ADDED BY USER  0;3 POINTER TO NEW PERSON FILE (#200)
LAST EDITED: AUG 28, 2014
HELP-PROMPT: Select the user who entered this preference.
DESCRIPTION: User that entered this preference.

409.8451,4  INACTIVE DATE  0;4 DATE
INPUT TRANSFORM:S %DT="ETX" D ^%DT S X=Y K:Y<1 X
LAST EDITED: OCT 20, 2014
HELP-PROMPT: Enter a date. Time is optional.
DESCRIPTION: Date and time that this preference was inactivated. Time is optional.

409.8451,5  INACTIVATED BY USER  0;5 POINTER TO NEW PERSON FILE (#200)
LAST EDITED: AUG 29, 2014
HELP-PROMPT: Select the user who inactivated this preference.
DESCRIPTION: User that inactivated this preference.

409.8451,6  REMARKS  1;0 WORD-PROCESSING #409.84516
(IGNORE "|")
DESCRIPTION: This field contains additional remarks and details for this preference.

3.6.16.  #409.85 – SDEC APPT REQUEST

STANDARD DATA DICTIONARY #409.85 -- SDEC APPT REQUEST FILE
FEB 7,2018@14:47:42  PAGE 1
STORED IN ^SDEC(409.85, (3083 ENTRIES)  SITE: TEST.CHEYENNE.MED.VA.GOV
UCI: CHEYL134,ROU  (VERSION 5.3)

DATA       NAME       GLOBAL       DATA
<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>TITLE</th>
<th>LOCATION</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This file contains the SDEC Appt Request entries for the Appointment Scheduling application. Each entry represents a unique appointment request.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DD ACCESS:
RD ACCESS:
WR ACCESS:
DEL ACCESS:
LAYGO ACCESS:
AUDIT ACCESS:

(NOTE: Kernel's File Access Security has been installed in this UCI.)

POINTED TO BY: APPT REQUEST TYPE field (.22) of the SDEC APPOINTMENT File (#409.84)
PARENT REQUEST field (#43.8) of the SDEC APPT REQUEST File (#409.85)
CHILD REQUEST field (#.01) of the MULT APPTS MADE sub-field (#409.852) of the SDEC APPT REQUEST File (#409.85)

CROSS REFERENCED BY: PATIENT(B), INSTITUTION(C), REQ SPECIFIC CLINIC(SC),
REQ SPECIFIC CLINIC(SCC)

INDEXED BY: DATE/TIME ENTERED & ORIGINATING USER (AC), DATE ENTERED & ENTERED BY USER (AD), CURRENT STATUS & CREATE DATE (E), REQ SPECIFIC CLINIC & CREATE DATE (GC), REQ SPECIFIC CLINIC & CID/PREFERRED DATE OF APPT (GCC), REQ SERVICE/SPECIALTY & CREATE DATE (GS), REQ SERVICE/SPECIALTY & CREATE DATE (GSA), REQ SERVICE/SPECIALTY & SERVICE CONNECTED PRIORITY & CREATE DATE (GSB), REQ SERVICE/SPECIALTY & CID/PREFERRED DATE OF APPT (GSC), REQ SERVICE/SPECIALTY & CREATE DATE (GSP)
409.85,.01 PATIENT 0;1 POINTER TO PATIENT FILE (#2)
(Required)
LAST EDITED: JUN 25, 2015
HELP-PROMPT: Enter the name of the patient for this Appt Request.
DESCRIPTION: This is the name of the patient that is to be on the SDEC APPT REQUEST list.
TECHNICAL DESCR: The patient selection is from the PATIENT file #2. The SDEC APPT REQUEST is 'this' file #409.85.
CROSS-REFERENCE: 409.85^B
1)= S ^SDEC(409.85,"B",$E(X,1,30),DA)=""
2)= K ^SDEC(409.85,"B",$E(X,1,30),DA)

409.85,.02 PATIENT STATUS 0;7 SET (audited)
'N' FOR NEW;
'E' FOR ESTABLISHED;
LAST EDITED: NOV 02, 2016
HELP-PROMPT: Enter N or NEW if the patient is a new patient. Enter E or ESTABLISHED if this patient has been seen in the past 24 months.
DESCRIPTION: This field represents the status of the patient in regards to being a 'NEW' or 'ESTABLISHED' patient. An ESTABLISHED patient has been seen within the past 24 months.
AUDIT: YES, ALWAYS

409.85,1 CREATE DATE 0;2 DATE
INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y<1 X
LAST EDITED: JUN 25, 2015
HELP-PROMPT: Enter the date the request was made.
DESCRIPTION: This field represents the date that the appointment request was made.

RECORD INDEXES: E (#1662), GC (#1952), GS (#1947), GSA (#1950), GSB (#1951), GSP (#1949)
409.85,2 INSTITUTION 0;3 POINTER TO INSTITUTION FILE (#4)
(Required)
INPUT TRANSFORM: S DIC("S")="I $P(^0,0,0,0,0,0)="N"",$STF^XUAF4(+Y)" D
^DIC K DIC S DIC=DIE,X=+Y K;Y<0 X
LAST EDITED: APR 18, 2015
HELP-PROMPT: Select an Institution
DESCRIPTION: This field represents the Institution assigned to identify the specific location.
SCREEN: S DIC("S")="I $P(^0,0,0,0,0,0)="N"",$STF^XUAF4(+Y)"
EXPLANATION: Only allow a National/Medical Institution.
CROSS-REFERENCE: 409.85^C
1)= S ^SDEC(409.85,"C","E(X,1,30),DA)=""
2)= K ^SDEC(409.85,"C",E(X,1,30),DA)
This xref is used to speed up the lookup of Appointment Requests by INSTITUTION.

409.85,4 REQUEST TYPE 0;5 SET (Required)
'APPT' FOR APPOINTMENT;
'MOBILE' FOR MOBILE;
'W2VA' FOR WELCOME TO VA;
'RTC' FOR RETURN TO CLINIC;
LAST EDITED: JUN 05, 2017
HELP-PROMPT: Select an appointment request type
DESCRIPTION: This field represents the type of appointment request that being requested.

409.85,8 REQ SPECIFIC CLINIC 0;9 POINTER TO HOSPITAL LOCATION FILE (#44)
(Required) (audited)
LAST EDITED: NOV 02, 2016
HELP-PROMPT: Select a clinic
DESCRIPTION: This field represents the clinic that this appointment request is for.
If the patient has been assigned to the APPT REQUEST list, enter the clinic that the patient is waiting for an appointment.
AUDIT: YES, ALWAYS
CROSS-REFERENCE: 409.85^SC^MUMPS
1) = I $D(X) S $DDEC(409.85,"SC",$P(^SC(X,0),U,1),DA)="
2) = K $DDEC(409.85,"SC",$P(^SC(X,0),U,1),DA)
Sort and Lookup Appointment Request by Clinic name.

CROSS-REFERENCE: 409.85^SC^MUMPS
1) = I $D(X) S
$DDEC(409.85,"SCC",$P(^SDEC(409.85,DA,0),U,1),X,DA)="
2) = K $DDEC(409.85,"SCC",$P(^SDEC(409.85,DA,0),U,1),X,DA)
Sort/Lookup Appointment Request by Specific Clinic.

RECORD INDEXES: GC (#1952), GCC (#1953)

409.85,8.5 REQ SERVICE/SPECIALTY 0;4 POINTER TO CLINIC STOP FILE (#40.7)
(audited)

INPUT TRANSFORM: S DIC("S")="I
($P(^(0),U,3)=""""!($P($P(^(0),U,3),"."",1)>$P($$NOW^XLFDT,"."",1))" D ^DIC K DIC S
DIC=DIE,X=+Y K:Y<0 X
LAST EDITED: NOV 02, 2016
HELP-PROMPT: Select a CLINIC STOP
DESCRIPTION: This field represents the CLINIC STOP code (also referred to as
SERVICE/SPECIALTY) that is associated with this appointment.
SCREEN: S DIC("S")="I ($P(^(0),U,3)=""""!($P($P(^(0),U,3),"."",1)>$P($$NOW^XLFDT,"."",1))" D ^DIC K DIC S
DIC=DIE,X=+Y K:Y<0 X
EXPLANATION: Allow only active CLINIC STOP entries.
AUDIT: YES, ALWAYS

409.85,8.7 REQ APPOINTMENT TYPE 0;6 POINTER TO APPOINTMENT TYPE FILE
(#409.1) (audited)

LAST EDITED: NOV 02, 2016
HELP-PROMPT: Select an appointment type.
DESCRIPTION: This field represents the appointment type for this request.
AUDIT: YES, ALWAYS
409.85,9 ORIGINATING USER 0:10 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: APR 18, 2015
HELP-PROMPT: Select a user
DESCRIPTION: This is the user that entered this appointment request.
RECORD INDEXES: AC (#1663)

409.85,9.5 DATE/TIME ENTERED 3:4 DATE

INPUT TRANSFORM: S %DT="ETX" D ^%DT S X=Y K:Y<1 X
LAST EDITED: APR 18, 2015
HELP-PROMPT: Enter a date. Time is optional.
DESCRIPTION: This is the Date and optional Time that this appointment request entry was entered.

RECORD INDEXES: AC (#1663)

409.85,10 PRIORITY 0:11 SET (Required)

'A' FOR ASAP;
'F' FOR FUTURE;
LAST EDITED: APR 18, 2015
HELP-PROMPT: Enter A or ASAP to set the priority as 'As Soon As Possible'. Enter F or FUTURE to set the priority as Future.
DESCRIPTION: This represents the appointment priority.

Future indicates that the patient needs an appointment in the future and a desired date will be entered by the user. ASAP indicates that the patient needs an appointment before the currently next available appointment (as soon as a slot opens). The desired date for ASAP will be set by the system as the current date.
ENROLLMENT PRIORITY

0;25 SET

'1' FOR GROUP 1;
'2' FOR GROUP 2;
'3' FOR GROUP 3;
'4' FOR GROUP 4;
'5' FOR GROUP 5;
'6' FOR GROUP 6;
'7' FOR GROUP 7;
'8' FOR GROUP 8;

LAST EDITED:   APR 18, 2015
HELP-PROMPT:   Select an enrollment priority.
DESCRIPTION:   The ENROLLMENT PRIORITY field represents the appointment Enrollment Priority.

REQUESTED BY

0;12 SET (Required) (audited)

'1' FOR PROVIDER;
'2' FOR PATIENT;

LAST EDITED:   NOV 02, 2016
HELP-PROMPT:   Enter 1 or PROVIDER if the requestor was a provider. Enter 2 or PATIENT if the requestor was the patient.
DESCRIPTION:   This field identifies who requested the appointment - the patient or a provider.
AUDIT:   YES, ALWAYS

PROVIDER

0;13 POINTER TO NEW PERSON FILE (#200)

(audited)

LAST EDITED:   NOV 02, 2016
HELP-PROMPT:   Select the provider that requested the patient's appointment.
DESCRIPTION:   This field represents the provider that requested the appointment if the appointment was requested by a provider.
AUDIT:   YES, ALWAYS
409.85,13 SCHEDULED DATE OF APPT 0:23 DATE
   INPUT TRANSFORM: S %DT="ETX" D ^%DT S X=Y K:Y<1 X
   LAST EDITED: APR 18, 2015
   HELP-PROMPT: Enter the date and optional time of the scheduled appointment for this request.
   DESCRIPTION: This is the appointment date and optional time scheduled for the patient. This appointment may be used as a reason for closing 'this' appointment request.
   TECHNICAL DESCR: This is a date/time of the scheduled appointment related to this entry.

409.85,13.1 DATE APPT. MADE SDAPT;1 DATE
   INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y<1 X
   LAST EDITED: APR 23, 2015
   HELP-PROMPT: Enter the date that the appointment was made.
   DESCRIPTION: This is the date the appointment was created.
   TECHNICAL DESCR: The Appointment Creation Date. It corresponds to the DATE APPT. MADE field (#20) of the APPOINTMENT multiple (#1900) in the PATIENT file (#2).

409.85,13.2 APPT CLINIC SDAPT;2 POINTER TO HOSPITAL LOCATION FILE (#44)
   LAST EDITED: APR 18, 2015
   HELP-PROMPT: Select the clinic that this appointment is scheduled for.
   DESCRIPTION: This is the clinic this appointment was created for.
   TECHNICAL DESCR: Pointer to the HOSPITAL LOCATION file (#44) of the related appointment.

409.85,13.3 APPT INSTITUTION SDAPT;3 POINTER TO INSTITUTION FILE (#4)
   LAST EDITED: APR 18, 2015
   HELP-PROMPT: Select an Institution.
   DESCRIPTION: This is the institution the clinic appointment belongs to.
   TECHNICAL DESCR: A pointer from the HOSPITAL LOCATION file of the scheduled appointment to the INSTITUTION file (#4).

409.85,13.4 APPT STOP CODE SDAPT;4 POINTER TO CLINIC STOP FILE (#40.7)
HELP-PROMPT: Select a CLINIC STOP code.
DESCRIPTION: This is the stop code/specialty of a clinic associated with the patient appointment. This may be different than the STOP CODE defined in the REQ SERVICE/SPECIALTY field.

TECHNICAL DESCR: This is the primary STOP CODE Number pointer to the CLINIC STOP file (#40.7).

409.85,13.5 APPT CREDIT STOP CODE SDAPT;5 POINTER TO CLINIC STOP FILE (#40.7)
HELP-PROMPT: Select a CLINIC STOP code.
DESCRIPTION: This is the credit stop code optionally assigned to the HOSPITAL LOCATION file associated with the scheduled appointment.

TECHNICAL DESCR: This is the secondary (optional) Stop Code Number pointer to the CLINIC STOP file (#40.7). This stop code is assigned to the HOSPITAL LOCATION file associated with the scheduled appointment.

409.85,13.6 APPT STATION NUMBER SDAPT;6 FREE TEXT
INPUT TRANSFORM: K:$L(X)>6!(X)$L(X)<3) X
HELP-PROMPT: Answer must be 3-6 characters in length.
DESCRIPTION: This is the 3-digit station number assigned to the facility plus up to 3 optional modifiers.

TECHNICAL DESCR: This is the STATION NUMBER field (#99) of the INSTITUTION file (#4) associated with the scheduled appointment.

409.85,13.7 APPT CLERK SDAPT;7 POINTER TO NEW PERSON FILE (#200)
HELP-PROMPT: Select an Appt Clerk
DESCRIPTION: This is the person who assigned the appointment to the REQUEST entry.

TECHNICAL DESCR: This is a pointer to the NEW PERSON file and it represents a person who entered the scheduled appointment into the Appointment Request.

409.85,13.8 APPT STATUS SDAPT;8 SET
'R' FOR Scheduled/Kept;
'I' FOR Inpatient;
'NS' FOR No-Show;
'NSR' FOR No_Show, Rescheduled;
'CP' FOR Canceled by Patient;
'CPR' FOR Canceled by Patient, Rescheduled;
'CC' FOR Canceled by Clinic;
'CCR' FOR Canceled by Clinic, Rescheduled;
'NT' FOR No Action Taken;

HELP-PROMPT: Select an Appt Status
DESCRIPTION: This field identifies the status of the appointment that is associated with this appointment request.

409.85,14 SERVICE CONNECTED PERCENTAGE SC;1 NUMBER
INPUT TRANSFORM: K:+X'=X!(X>100)! (X<0)! (X?.E1"."1N.N) X

HELP-PROMPT: Type a number between 0 and 100, 0 decimal digits.
DESCRIPTION: The SERVICE CONNECTED PERCENTAGE is used to determine the service connected priority.

409.85,15 SERVICE CONNECTED PRIORITY SC;2 SET

'0' FOR NO;
'1' FOR YES;

HELP-PROMPT: Enter 0 or NO if the appointment does not get a Service Connected Priority. Enter 1 or YES if the appointment DOES get a Service Connected Priority.
DESCRIPTION: This field represents whether the appointment has a Service Connected Priority.

RECORD INDEXES: GSB (#1951)

409.85,19 DATE DISPOSITIONED DIS;1 DATE

INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y<1 X
LAST EDITED: APR 23, 2015
HELP-PROMPT: Enter a date.
DESCRIPTION: This represents the date that the patient is dispositioned from the Appointment Request list.

409.85,20 DISPOSITIONED BY DIS;2 POINTER TO NEW PERSON FILE (#200)
LAST EDITED: APR 18, 2015
HELP-PROMPT: Select a user/provider
DESCRIPTION: This represents the user who dispositioned the patient from the appointment request list.

409.85,21 DISPOSITION DIS;3 SET
'D' FOR DEATH;
'NC' FOR REMOVED/NON-VA CARE;
'SA' FOR REMOVED/SCHEDULED-ASSIGNED;
'CC' FOR REMOVED/VA CONTRACT CARE;
'NN' FOR REMOVED/NO LONGER NECESSARY;
'ER' FOR ENTERED IN ERROR;
'TR' FOR TRANSFERRED TO EWL;
'CL' FOR CHANGED CLINIC;
'MC' FOR MRTC PARENT CLOSED;
LAST EDITED: JAN 05, 2016
HELP-PROMPT: Select a disposition
DESCRIPTION: This field represents the reason this patient has been dispositioned from this appointment Request.

409.85,21.1 DISPOSITION CLOSED BY CLEANUP DIS;4 SET
'Y' FOR YES;
'N' FOR NO;
LAST EDITED: DEC 07, 2016
HELP-PROMPT: Enter Yes if Disposition was due to Open Request being Closed with Cleanup Utility. Otherwise enter No.
DESCRIPTION: Enter Yes if Disposition is related to Open Request becoming Closed due to the running of Cleanup Utility. Otherwise enter No.

409.85,22 CID/PREFERRED DATE OF APPT 0;16 DATE (Required) (audited)
INPUT TRANSFORM: S %DT="EX" D ^%DT S X=Y K:Y<1 X
LAST EDITED: APR 23, 2015
HELP-PROMPT: Enter the CID/Preferred Date of this appointment.
DESCRIPTION: This CID/PREFERRED DATE OF APPT field represents the date that the patient or provider has requested for the appointment. If the priority is ASAP, this is the date the patient is placed on the REQUEST List (SCHEDULING). If the priority is FUTURE, the user enters the date that the patient/provider is requesting that the appointment is to be scheduled.
AUDIT: YES, ALWAYS
RECORD INDEXES: GCC (#1953), GSC (#1948)

409.85,23 CURRENT STATUS 0;17 SET (audited)
'O' FOR OPEN;
'C' FOR CLOSED;
LAST EDITED: DEC 08, 2016
HELP-PROMPT: Enter O or OPEN if the APPT Request entry is open. Enter C or CLOSED if the APPT Request entry is closed.
DESCRIPTION: This field represents the current status of this appointment request. If the APPT Request entry is dispositioned, the status = CLOSED, otherwise, the APPT Request entry status = OPEN.
AUDIT: YES, ALWAYS
RECORD INDEXES: E (#1662)

409.85,25 COMMENTS 0;18 FREE TEXT (audited)
INPUT TRANSFORM: K:$L(X)>80!($L(X)<1) X
LAST EDITED: NOV 02, 2016
HELP-PROMPT: Answer must be 1-80 characters in length.
DESCRIPTION: This Free Text field represents information related to the appointment request.
example: see progress note date 5/01/02 this would direct the scheduling clerk to a note that may contain lab, xray orders that need to be completed prior to the appointment.

AUDIT: YES, ALWAYS

409.85,41 MULTIPLE APPOINTMENT RTC 3;1 SET

'0' FOR NO;

'1' FOR YES;

LAST EDITED: APR 18, 2015

HELP-PROMPT: Select 1 or YES if multiple appointments are needed. Select 0 or NO if multiple appointments are not needed.

DESCRIPTION: This field represents that Multiple Appointments need to be made.

If set to NO (0 zero), Multiple Appointment (Return to Clinic) are not scheduled. If set to YES (1), Multiple Appointment (Return to Clinic) could be scheduled.

409.85,42 MULT APPT RTC INTERVAL 3;2 NUMBER

INPUT TRANSFORM: K:+X'=X!(X>365)!(!(X<0)!(X?.E1"."1N.N) X

LAST EDITED: APR 18, 2015

HELP-PROMPT: Type a number between 0 and 365, 0 decimal digits.

DESCRIPTION: The MULT APPT RTC INTERVAL represents the number of Days between appointments.

409.85,43 MULT APPT NUMBER 3;3 NUMBER

INPUT TRANSFORM: K:+X'=X!(X>100)!(!(X<0)!X?.E1"."1N.N) X

LAST EDITED: APR 18, 2015

HELP-PROMPT: Type a number between 0 and 100, 0 decimal digits.

DESCRIPTION: This field represents the number of appointments that may be needed.

409.85,43.3 MULT APPTS MADE 2;0 POINTER Multiple #409.852

DESCRIPTION: These are the MRTC Appointments that have been made for this appointment request.

TECHNICAL DESCR: These appointments are pointers to the SDEC APPOINTMENT file 409.84.
409.852,.01  CHILD REQUEST  0;1 POINTER TO SDEC APPT REQUEST FILE (#409.85) (Multiply asked)

LAST EDITED:  JAN 05, 2016
HELP-PROMPT:  Select an appointment request.
DESCRIPTION:  This field represents a 'Child' appointment request.
TECHNICAL DESCR:

Pointer to the SDEC APPT REQUEST file 409.85.

CROSS-REFERENCE:  409.852^B

1)= S ^SDEC(409.85,DA(1),2,"B",SE(X,1,30),DA)=""
2)= K ^SDEC(409.85,DA(1),2,"B",SE(X,1,30),DA)

409.852,.02  MULT APPTS MADE  0;2 POINTER TO SDEC APPOINTMENT FILE (#409.84)

LAST EDITED:  JAN 05, 2016
HELP-PROMPT:  Select an appointment
DESCRIPTION:  This field represents one of the Multiple Appointments that have been made based on this appointment request.
TECHNICAL DESCR:

Pointer to SDEC APPOINTMENT file 409.84.

409.85,43.5  MRTC CALC PREF DATES  5;0 DATE Multiple #409.851

DESCRIPTION:  This multiple field holds the dates that are requested for multiple appointments.

409.851,.01  MRTC CALC PREF DATES  0;1 DATE (Multiply asked)

INPUT TRANSFORM:  S %DT="EX" D ^%DT S X=Y K:Y<1 X
LAST EDITED:  APR 18, 2015
HELP-PROMPT:  Enter a date
DESCRIPTION:  This field represents one of the dates requested for one of the multiple appointments.
CROSS-REFERENCE:  409.851^B

1)= S ^SDEC(409.85,DA(1),5,"B",SE(X,1,30),DA)=""
2) = K ^SDEC(409.85,DA(1),5,"B",SE(X,1,30),DA)

409.85,43.8 PARENT REQUEST 3;5 POINTER TO SDEC APPT REQUEST FILE (#409.85)

LAST EDITED: JAN 05, 2016
HELP-PROMPT: Select an appointment request
DESCRIPTION: This field represents the parent appointment request.

409.85,44 PATIENT CONTACT 4;0 DATE Multiple #409.8544

DESCRIPTION: This multiple records the patient contact events.

409.8544,.01 DATE ENTERED 0;1 DATE

INPUT TRANSFORM: S %DT="ETX" D ^%DT S X=Y K:Y<1 X

LAST EDITED: APR 22, 2015
HELP-PROMPT: Enter the date and optional time that this patient was contacted.
DESCRIPTION: This DATE ENTERED field represents the Date that an attempt was made to contact the patient regarding 'this' appointment REQUEST. The time can also be optionally entered.

CROSS-REFERENCE: 409.8544^B
1) = S ^SDEC(409.85,DA(1),4,"B",SE(X,1,30),DA)=""
2) = K ^SDEC(409.85,DA(1),4,"B",SE(X,1,30),DA)

RECORD INDEXES: AD (#1679) (WHOLE FILE #409.85)

409.8544,2 ENTERED BY USER 0;2 POINTER TO NEW PERSON FILE (#200)

LAST EDITED: APR 18, 2015
HELP-PROMPT: Select a user/provider
DESCRIPTION: This ENTERED BY USER field represents the user/provider that made an attempt to contact the patient regarding this appointment request.

RECORD INDEXES: AD (#1679) (WHOLE FILE #409.85)

409.8544,3 ACTION 0;3 SET

'C' FOR CALLED;
'M' FOR MESSAGE LEFT;
'L' FOR LETTER;

LAST EDITED: APR 18, 2015
HELP-PROMPT: Select an action.
DESCRIPTION: The ACTION field represents the attempt that was made to contact the patient regarding 'this' appointment. C = Called M = Message Left L = Letter

409.8544,4 PATIENT PHONE 0;4 FREE TEXT
INPUT TRANSFORM: K:$L(X)>20!($L(X)<4) X
LAST EDITED: APR 18, 2015
HELP-PROMPT: Answer must be 4-20 characters in length.
DESCRIPTION: This is the phone number used to contact the patient.

409.85,45 VS AUDIT 6;0 DATE Multiple #409.8545
(Add New Entry without Asking)
DESCRIPTION: This multiple is like an audit trail for specific fields and is used by VistA Scheduling GUI.

409.8545,.01 DATE EDITED 0;1 DATE (Multiply asked)
INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: DEC 01, 2015
HELP-PROMPT: Enter a date and time
DESCRIPTION: This is the Date/Time in which the edits represented by this entry were made.
CROSS-REFERENCE: 409.8545^B
1) = S ^SDEC(409.85,DA(1),6,"B",$E(X,1,30),DA)=" "
2) = K ^SDEC(409.85,DA(1),6,"B",$E(X,1,30),DA)

409.8545,1 EDITED BY 0;2 POINTER TO NEW PERSON FILE (#200)
LAST EDITED: DEC 01, 2015
HELP-PROMPT: Enter a user
DESCRIPTION: This is the user that edited the current VS AUDIT entry.
409.8545,2  REQ SPECIFIC CLINIC  0;3 POINTER TO HOSPITAL LOCATION FILE (#44)

LAST EDITED:  DEC 01, 2015
HELP-PROMPT:  Select a clinic
DESCRIPTION:  This field represents the clinic that this appointment request is for.

409.8545,3  REQ SERVICE/SPECIALTY 0;4 POINTER TO CLINIC STOP FILE (#40.7)

LAST EDITED:  DEC 01, 2015
HELP-PROMPT:  Select a CLINIC STOP
DESCRIPTION:  This field represents the CLINIC STOP code (also referred to as SERVICE/SPECIALTY) that is associated with this appointment request.

409.85,46  ORDER ID  7;1 NUMBER

INPUT TRANSFORM:  K:+X'=X!(X>99999999999)!(X<1)!(X?.E1"."1N.N) X
LAST EDITED:  JUN 19, 2017
HELP-PROMPT:  Type a number between 1 and 99999999999, 0 decimal digits.
DESCRIPTION:  This field is the HL7 Message ID used for Return to Clinic orders.
TECHNICAL DESCR:
Message ID number from the ORDER (#100) file.

409.85,47  NO LATER THAN  7;2 SET

'0' FOR NO;
'1' FOR YES;
LAST EDITED:  JUN 19, 2017
HELP-PROMPT:  Select 'YES' or 'NO'

409.85,48  PREREQUISITE  8;0 Multiple #409.8548

409.8548,.01  PREREQUISITE  0;1 FREE TEXT (Multiply asked)

INPUT TRANSFORM:  K:$L(X)>80!(L(X)<1) X
LAST EDITED:  JUN 29, 2017
HELP-PROMPT:  Answer must be 1-80 characters in length.
CROSS-REFERENCE: 409.8548^B

1) = S ^SDEC(409.85,DA(1),8,"B",SE(X,1,30),DA)=" "
2) = K ^SDEC(409.85,DA(1),8,"B",SE(X,1,30),DA)

3.6.17. #409.86 – SDEC CONTACT

STANDARD DATA DICTIONARY #409.86 -- SDEC CONTACT FILE

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STORED IN ^SDEC(409.86, (26 ENTRIES) SITE: TEST.CHEYENNE.MED.VA.GOV
UCI: CHEYL134,ROU (VERSION 5.3)

DATA NAME GLOBAL DATA ELEMENT TITLE LOCATION TYPE
-------------------------------------------------------------------------------
This file is used by the VSE VS GUI. The file contains patient contact
information regarding appointment follow up each time a patient is contacted.
This file should not be edited using Fileman, the file is updated using the VSE
VS GUI.

DD ACCESS: @
RD ACCESS: @
WR ACCESS: @
DEL ACCESS: @
LAYGO ACCESS: @
AUDIT ACCESS: @

(NOTE: Kernel's File Access Security has been installed in this UCI.)

IDENTIFIED BY: CLINIC (#1), REQUEST TYPE (#2.1)[R]
"W1.1": S %I=1,Y=Y=$S($D(^(0)):"",$D(^(DIC(40.7,+$P(^(0),U,6),0))#2:$P(^(0 ,U,1),1:"",C=$P(^(DD(40.7,.01,0),U,2) D Y^DIQ:Y)"" W "",Y,@(}
"SE("_DIC_"%I,0),0")" S Y=%I K %I
"W2": W " "$NAKED^DIUTL("$SDATE^DIUTL($P(^0,U,3))")"

CROSS REFERENCED BY: PATIENT(B)

409.86,01  PATIENT  0;1 POINTER TO PATIENT FILE (#2)
(Required)
LAST EDITED: APR 17, 2017
HELP-PROMPT: Please enter current Patient!
DESCRIPTION: This is the Patient for this contact.
TECHNICAL DESCR:
    Pointer to the Patient(#2) file.

CROSS-REFERENCE:  409.86^B
1)= S ^SDEC(409.86,"B",SE(X,1,30),DA)="
2)= K ^SDEC(409.86,"B",SE(X,1,30),DA)

409.86,1  CLINIC  0;2 POINTER TO HOSPITAL LOCATION FILE (#44)
LAST EDITED: MAY 02, 2017
HELP-PROMPT: Please enter contact clinic!
DESCRIPTION: This is the Clinic for this contact.
TECHNICAL DESCR:
    Pointer to the Hospital Location(#44) file.

409.86,1.1  SERVICE  0;6 POINTER TO CLINIC STOP FILE (#40.7)
LAST EDITED: JUN 11, 2017
HELP-PROMPT: Please enter Service for this contact.
DESCRIPTION: This is the Service for this contact.

TECHNICAL DESCR:
    Pointer to the CLINIC STOP(#40.7) file.

409.86,2  PREFERRED DATE  0;3 DATE
Please enter Preferred Date of appointment.
This is the Preferred Date of Appointment for this contact.
This date field contains the Preferred Date of Appointment for this contact.

'A' FOR APPOINTMENT;
'C' FOR CONSULT;
'R' FOR RECALL;
'V' FOR VETERAN;
'M' FOR MOBILE;
'P' FOR PROCEDURE;
'E' FOR EWL;
'W' FOR W2VA;
'RTC' FOR RETURN TO CLINIC;

Contact Request Type is a set of codes.

Type a number between 0 and 99, 0 decimal digits.
The Main Sequence field keeps track of the number of contacts.

The Main Sequence is a numeric field that tracks the number of attempts.

DATE/TIME of CONTACT  1;0 DATE Multiple #409.863
DESCRIPTION: This is the DATE/TIME multiple of the contact.

TECHNICAL DESCR: DATE/TIME of CONTACT multiple tracks the number of contacts for this patient.

409.863,01 DATE/TIME of CONTACT 0;1 DATE (Required) (Multiply asked)
INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X
LAST EDITED: MAY 01, 2017
HELP-PROMPT: Please enter DATE/TIME of CONTACT.
DESCRIPTION: This is the Date/Time of contact for this patient.
TECHNICAL DESCR: This is a date/time field used to record the date/time a contact is entered.

CROSS-REFERENCE: 409.863^B
1)= S ^SDEC(409.86,DA(1),1,"B",SE(X,1,30),DA)=" "
2)= K ^SDEC(409.86,DA(1),1,"B",SE(X,1,30),DA)

409.863,1 CONTACT TYPE 1;1 SET
' C' FOR CALL;
' L' FOR LETTER;
LAST EDITED: JUN 11, 2017
HELP-PROMPT: Select Contact Type!
DESCRIPTION: This field Contact Type is how the patient is contacted.
TECHNICAL DESCR: This field Contact Type is a set of codes of how a patient is contacted.

409.863,2 COMMENTS 1;2 FREE TEXT
INPUT TRANSFORM: K:$L(X)>80!(SL(X)<1) X
LAST EDITED: JUN 11, 2017
HELP-PROMPT: Answer must be 1-80 characters in length.
DESCRIPTION: This is any comments associated with this contact.
TECHNICAL DESCR: This is a Free Text field used to enter comments for this contact.
409.863,3  LEFT MESSAGE  1;3 SET
0' FOR NO;
'1' FOR YES;
LAST EDITED:  JUN 12, 2017
HELP-PROMPT:  Enter 'YES' if patient was left a message, else enter 'NO'.
DESCRIPTION:  This field is if the patient was left a message.
TECHNICAL DESCR:  The Left Message field is a set of codes.

409.863,4  SEQUENCE  1;4 NUMBER (Required)
INPUT TRANSFORM:K:+X'=X!(X>99)!((X<1)!(X?E1".1N.N) X
LAST EDITED:  APR 17, 2017
HELP-PROMPT:  Type a number between 1 and 99, 0 decimal digits.
DESCRIPTION:  This is the Sequence of this contact.
TECHNICAL DESCR:  This field sequence is a numeric field.

409.863,5  USER ENTERED CONTACT  1;5 POINTER TO NEW PERSON FILE (#200)
LAST EDITED:  JUN 11, 2017
HELP-PROMPT:  Enter user who entered the contact!
DESCRIPTION:  This is the user who entered the contact.
TECHNICAL DESCR:  The User Entered Contact field is a pointer to file NEW PERSON(#200).

409.863,6  DATE/TIME ENTERED  1;6 DATE
INPUT TRANSFORM:S %DT="ETX" D ^%DT S X=Y K:Y<1 X
LAST EDITED:  JUN 12, 2017
HELP-PROMPT:  Enter date/time contact was entered.
DESCRIPTION:  This is the date/time the contact was entered.
TECHNICAL DESCR:  This is a date/time field for when the contact was entered.
### 3.7. Exported Option

Table 6: Exported Option and Description

<table>
<thead>
<tr>
<th>Option Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS Dashboard Data Compile [SDEC REPORT DATA]</td>
<td>This option allows scheduling administrators to initiate the Clinical Scheduling (CS) Resource Management Report data compilation. This option is also scheduled to run every 24 hours at 1:00am to ensure data is collected each day.</td>
</tr>
<tr>
<td>Add/Edit CS Resource Management Stop Codes [SDEC ADD CLINIC STOP CODES]</td>
<td>This option allows CS administrators to activate or deactivate Clinic Stop Codes related to the report types displayed in the CS Resource Management Report.</td>
</tr>
<tr>
<td>View CS Resource Management Clinics [SDEC VIEW CS CLINICS]</td>
<td>This option displays a list of clinic hospital locations that have a Primary Stop Code that matches a CS Resource Management Stop Code.</td>
</tr>
<tr>
<td>View CS Clinic Stop Codes [SDEC VIEW CS STOP CODES]</td>
<td>This option displays the Clinic Stop Codes configured for the CS Resource Management Report.</td>
</tr>
<tr>
<td>CLINICAL SCHEDULING PROCEDURE CALLS [SDECRPC]</td>
<td>This option hosts RPCs in the SDEC namespace. Access to this option is required for use.</td>
</tr>
<tr>
<td>Refresh SDEC Index global</td>
<td>This option prepares the &quot;XTMP(&quot;SDEC&quot;,&quot;IDX&quot; global and should be scheduled to run daily at 2:00am.</td>
</tr>
<tr>
<td>SDEC INITIAL CLEANUP UTILITY</td>
<td>This utility will allow the VistA user to run a clean-up of SDEC APPT REQUEST entries that are erroneously in an open current status and associated with a cancellation in the corresponding SDEC APPOINTMENT entry. These entries can be committed to a closed status.</td>
</tr>
<tr>
<td>SDEC REQ REOPENED BY SDCANCEL</td>
<td>This option provides a report for requests reopened by SDCANCEL. The following information is listed by clinic: patient name, patient social security number (SSN), patient telephone number, and APPT Clinically Indicated Date (CID)/preferred date.</td>
</tr>
</tbody>
</table>

### 3.8. Parameter Definitions

Table 7: Parameter Definitions
### Parameter Name

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDEC DEFAULT FONT SIZE</td>
<td>Font size for VistA Scheduling letters.</td>
</tr>
<tr>
<td>SDEC REQ MGR GRID FILTER</td>
<td>Scheduling Request Manager Grid Filter.</td>
</tr>
<tr>
<td>SDEC MENTAL HEALTH STOP CODES</td>
<td>This parameter identifies stop codes related to the Mental Health report type for Resource Management Reporting.</td>
</tr>
<tr>
<td>SDEC PRIMARY CARE STOP CODES</td>
<td>This parameter identifies stop codes related to the Primary Care report type for Resource Management Reporting.</td>
</tr>
<tr>
<td>SDEC SPECIALTY CARE STOP CODES</td>
<td>This parameter identifies stop codes related to the Specialty Care report type for Resource Management Reporting.</td>
</tr>
<tr>
<td>SDEC DEFAULT FONT SIZE</td>
<td>This parameter saves the preferred default font size for VistA Scheduling letters.</td>
</tr>
<tr>
<td>SDEC REQ MGR GRID FILTER</td>
<td>This parameter holds the filter preference set for the Request Manager Grid.</td>
</tr>
</tbody>
</table>

#### 3.9. Security Keys

Table 8: Exported Security Keys

<table>
<thead>
<tr>
<th>Key Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDECVIEW</td>
<td>VistA Scheduling GUI users with this key will have view-only access.</td>
</tr>
<tr>
<td>SDECZMENU</td>
<td>All Window Scheduling users must have this key to access the application.</td>
</tr>
<tr>
<td>SDECZMGR</td>
<td>This key should be assigned to users who manage the overall scheduling application. This key gives access to the Scheduling Management menu option on the VSE applications system tab.</td>
</tr>
<tr>
<td>SDOB</td>
<td>This key authorizes the ability to overbook the clinic to maximum allowed, as defined in clinic set-up.</td>
</tr>
<tr>
<td>SDMOB</td>
<td>This key authorizes the ability to overbook in the clinic over the maximum allowed, as defined in clinic set-up.</td>
</tr>
<tr>
<td>SDWL MENU</td>
<td>If the user does not have this key assigned, they cannot enter a new wait list request (right click option “Transfer to EWL” from an open APPT request) or perform a disposition (right click option for EWL Disposition) of a EWL request.</td>
</tr>
</tbody>
</table>

#### 3.10. Archiving and Purging

There is no archiving and purging in this module.
4. Generating Online Documentation

This section describes a few methods to generate VistA Scheduling GUI system technical documentation. VistA Scheduling GUI software technical documentation can be generated through the use of several Kernel options, in addition to that which may be accessed via the Help prompts throughout the VistA Scheduling GUI module. Such Kernel options include, but are not limited to, the following:

- %INDEX
- VA FileMan
- Data Dictionary Utilities
- List File Attributes

For further information about other utilities that supply online technical information, consult the VistA Kernel reference manual.

4.1. %INDEX

This option analyzes the structure of a routine to determine, in part, if the routine adheres to VistA programming standards. The %INDEX output can include the following components:

- Compiled list of errors and warnings
- Routine listing
- Local variables
- Global variables
- Naked globals
- Label references
- External references

Running %INDEX for a specified set of routines allows users to discover any deviations from VistA programming standards that exist in the selected routines, and to see how routines interact with one another; for example, which routines call, or are called by, other routines.
4.2. **List File Attributes**

VA FileMan option allows users to generate documentation pertaining to files and file structure. Using the standard format of this option yields the following data dictionary information for a specified file:

- File name and description
- Identifiers
- Cross-references
- Files pointed to by the file specified
- Files that point to the file specified
- Input, print, and sort templates

In addition, the following applicable data is supplied for each field in the file:

- Field name, number, title, and description
- Global location
- Help prompt
- Cross-references
- Input transform
- Date last edited
- Notes

Using the global map format of this option generates an output that lists the following information:

- All cross-references for the file selected
- Global location of each field in the file
- Input, print, and sort templates

4.3. **Standards and Conventions Requirements and Exemptions**

There are no exemptions to the Standards and Conventions (SAC) standards for this version.

4.4. **Callable Routines**

Not applicable.
## 5. Glossary and Acronyms

### Table 9: Terms and Definitions

<table>
<thead>
<tr>
<th>Term / Acronym</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI</td>
<td>American National Standards Institute</td>
</tr>
<tr>
<td>APPT</td>
<td>Appointment</td>
</tr>
<tr>
<td>Archiving</td>
<td>The storing of historical or little used data off-line (often on tape)</td>
</tr>
<tr>
<td>ASCII</td>
<td>American Standard Code for Information Interchange</td>
</tr>
<tr>
<td>Banner</td>
<td>A line of test with a user’s name and domain</td>
</tr>
<tr>
<td>Browser</td>
<td>An interactive application that displays American Standard Code for Information Interchange (ASCII) text on a terminal that supports a scroll region; text can be in the form of a word-processing field or sequential local or global array and the user is allowed to navigate freely within the document</td>
</tr>
<tr>
<td>Callable Entry Points</td>
<td>Places in a routine that can be called from an application program</td>
</tr>
<tr>
<td>CID</td>
<td>Clinically Indicated Date</td>
</tr>
<tr>
<td>CIT</td>
<td>Component Integration Testing</td>
</tr>
<tr>
<td>Cross-reference</td>
<td>An indexing method whereby files can include pre-sorted lists of entries as part of the stored database; cross-references (x-refs) facilitate look-up and reporting</td>
</tr>
<tr>
<td>CS</td>
<td>Clinical Scheduling</td>
</tr>
<tr>
<td>Default Facility</td>
<td>A user selects a facility identification to work with patients registered to that facility</td>
</tr>
<tr>
<td>Dev</td>
<td>Developer</td>
</tr>
<tr>
<td>Entry Point</td>
<td>Entry point within a routine that is referenced by a “DO” or “GOTO” command from a routine internal to a package</td>
</tr>
<tr>
<td>EWL</td>
<td>Electronic Wait List</td>
</tr>
<tr>
<td>File</td>
<td>A set of related records or entries treated as a single unit</td>
</tr>
<tr>
<td>FileMan</td>
<td>The database management system for VistA</td>
</tr>
<tr>
<td>GB</td>
<td>Gigabyte</td>
</tr>
<tr>
<td>Global</td>
<td>In Massachusetts General Hospital Utility Multi-Programming System (MUMPS), global refers to a variable stored on disk (global variable) or the array to which the global variable may belong (global array)</td>
</tr>
<tr>
<td>GUI</td>
<td>Graphical User Interface</td>
</tr>
<tr>
<td>Term / Acronym</td>
<td>Definition</td>
</tr>
<tr>
<td>---------------</td>
<td>------------</td>
</tr>
<tr>
<td>INDEX (%INDEX)</td>
<td>A Kernel utility used to verify routines and other MUMPS code associated with a package; checking is done according to current American National Standards Institute (ANSI) MUMPS standards and VistA programming standards – this tool can be invoked through an option or from direct mode (&amp;D^%INDEX)</td>
</tr>
<tr>
<td>Init</td>
<td>Initialization of an application package; the initialization step in the installation process builds files from a set of routines (the init routines)</td>
</tr>
<tr>
<td>IEN</td>
<td>Internal Entry Number: The number used to identify an entry within a file; every record has a unique IEN</td>
</tr>
<tr>
<td>IOC</td>
<td>Initial Operating Capability</td>
</tr>
<tr>
<td>IP</td>
<td>Internet Protocol</td>
</tr>
<tr>
<td>Kernel</td>
<td>The set of MUMPS software utilities that function as an intermediary between the host operating system and application packages, such as Laboratory and Pharmacy; Kernel provides a standard and consistent user and programmer interface between application packages and the underlying MUMPS implementation – these utilities provide the foundation for VistA</td>
</tr>
<tr>
<td>KIDS</td>
<td>Kernel Installation and Distribution System</td>
</tr>
<tr>
<td>Menu</td>
<td>A list of choices for computing activity; a menu is a type of option designed to identify a series of items (other options) for presentation to the user for selection – when displayed, menu options are preceded by the word “select” and followed by the word “option” (as in: select Menu Management option, the menu’s select prompt)</td>
</tr>
<tr>
<td>MS</td>
<td>Microsoft</td>
</tr>
<tr>
<td>MUMPS</td>
<td>Massachusetts General Hospital Utility Multi-Programming System</td>
</tr>
<tr>
<td>Namespace</td>
<td>A unique set of two to four alpha characters that are assigned by the database administrator to a software application</td>
</tr>
<tr>
<td>Option</td>
<td>An entry in the Option file; as an item on a menu, an option provides an opportunity for users to select it, thereby invoking the associated computing activity – options may also be scheduled to run in the background, non-interactively, by TaskMan</td>
</tr>
<tr>
<td>PIMS</td>
<td>Patient Information Management System</td>
</tr>
<tr>
<td>Queuing</td>
<td>Requesting that a job be processed at a later time rather than within the current session</td>
</tr>
<tr>
<td>Term / Acronym</td>
<td>Definition</td>
</tr>
<tr>
<td>---------------</td>
<td>------------</td>
</tr>
<tr>
<td>RAM</td>
<td>random access memory</td>
</tr>
<tr>
<td>RPC</td>
<td>Remote Procedure Call: An entry in the REMOTE PROCEDURE file that points to specific M code to execute when called by an external Windows application</td>
</tr>
<tr>
<td>Routine</td>
<td>A program or sequence of instructions called by a program that may have some general or frequent use; MUMPS routines are groups of program lines that are saved, loaded, and called as a single unit via a specific name</td>
</tr>
<tr>
<td>SAC</td>
<td>Standards and Conventions</td>
</tr>
<tr>
<td>SQA</td>
<td>Software Quality Assurance</td>
</tr>
<tr>
<td>SSN</td>
<td>Social Security Number</td>
</tr>
<tr>
<td>TW</td>
<td>Technical Writer</td>
</tr>
<tr>
<td>UCI</td>
<td>User Class Identification: A computing area</td>
</tr>
<tr>
<td>Up-Hat (^)</td>
<td>A circumflex, also known as a “hat” (or “caret”) that is used as a piece delimiter in a global; the up-hat is denoted as “^” and is types by pressing Shift + 6 on the keyboard</td>
</tr>
<tr>
<td>Utility</td>
<td>A callable routine line tag or function; a universal routine usable by anyone</td>
</tr>
<tr>
<td>VA</td>
<td>Department of Veterans Affairs</td>
</tr>
<tr>
<td>Variable</td>
<td>A character or group of characters that refers to a value; MUMPS recognizes three types of variables: local variables, global variables and special variables – local variables exist in a partition of the main memory and disappear at sign-off; a global variable is stored on disk, potentially available to any user, and usually exist as parts of global arrays</td>
</tr>
<tr>
<td>VistA</td>
<td>Veterans Health Information System and Technology Architecture</td>
</tr>
<tr>
<td>VSE</td>
<td>VistA Scheduling Enhancements</td>
</tr>
<tr>
<td>WYSIWYG</td>
<td>What You See Is What You Get</td>
</tr>
<tr>
<td>X-refs</td>
<td>Cross-references</td>
</tr>
</tbody>
</table>
6. Appendix A: Resource Management Reporting Implementation (OBSOLETE)

NOTE: This functionality was disabled in GUI version 2.0.0.8. This information is retained for future reference.

Resource Management Reporting displays pertinent resource management metrics in a single view, the report is used by individual facilities and staff to measure and track supply, demand, and efficiency metrics related to clinic appointments and patient encounters in VistA.

6.1. System Requirements

- System Requirements to run the executable Java Archive (JAR)
  - JRE (Java Run Time Environment) 1.6 or older.
  - Jaspersoft – iReport viewer 5.6 or newer.
- System Requirements for application development
  - JDK (Java Development Kit) 1.6
  - Eclipse IDE
  - Jaspersoft – iReport viewer 5.6 or newer.
  - XML Editor (Textpad, EditPlus, Notepad)

6.2. Application Files

SDEC_VSE_ReportConsole.jar is the executable JAR package file which launches the GUI for report console. The GUI will display all the available filter options to be selected before generating the report. The filters are explained below.

SDEC_VSE.xml acts as the source file from where the data will be collected, parsed and populated into the UI filters. This file is used again to generate the Jasper Reports.

JRXML files are JasperReport template files, they are actually standard XML formatted files but have the .jrxml extension. All the JRXML files contain tag <jasperReport>, as root element, and also contain many sub-elements that constitute all of the report definition and properties. Resource Management Reporting uses an XML formatted file as the data source for rendering the report and charts. During the report rendering process the .jrxml file is compiled into a corresponding .jasper file.

SDEC_VSE_ReportTemplate.jrxml is the template file for the main report, it contains references to the compiled charts reports (.jasper) files. During the rendering process the jrxml file is compiled into a SDEC_VSE_ReportTemplate.jasper file.

TotalDemandCharts.jrxml is the template file for the Total Demand line chart subreport. The jrxml file is compiled into its own corresponding TotalDemandCharts.jasper file.

TotalDemandSupplyCharts.jrxml is the template file for the Total Demand and Total Supply combined column chart subreport. The jrxml file is compiled into its own corresponding TotalDemandSupplyCharts.jasper file.
**TotalSupplyCharts.jrxml** is the template file for the Total Supply line chart subreport. The jrxml file is compiled into its own corresponding TotalSupplyCharts.jasper file.

**VSE_LOG.log** is used to log any errors or warnings when the Resource Management Reporting java application is executed. This component was implemented using the Log4J java logging framework. Log4J is an open source API which lets the developer log any kind of statements as part of the application execution. This helps in tracking errors and other warnings to aid in troubleshooting any issues with the application.

The Resource Management application is utilizing the Log4J API to log any errors or warnings into a new file named “VSE_LOG.log”. This file is created at runtime and stored with all of the application files in the designated application folder. The file contains the complete stack trace of the error/warning. The Java application creates one log file per each time it is executed by the user and this existing log file is always overwritten each time the application is launched or relaunched. However, if we have multiple errors/warnings as part of the same instance of the program execution, then the errors/warnings are appended to the existing log file.

### 6.3. Resource Management Reporting Java Application Build Process

This functionality is disabled per the VSE Additional Enhancements Modifications – Epic 13.6; therefore, the remainder of this section is no longer applicable.

The application is mainly built using the Ant tool and a build script (build.xml). The build file defines the class path and the prerequisites which include all the external JAR dependencies. All of the dependencies will be copied into a single structure and the source files will be compiled. The compiled class files will be packaged along with the dependent JAR libraries, configurations, and XML files. We are using Ant version 1.9.4.
6.4. Data Flow Diagram

![Data Flow Diagram Image]

Figure 38: VistA Scheduling GUI Data Flow Diagram

6.5. Implementation of Report Filters

Some of the filters (Report Type, Date and Date Aggregate) will be selected on the VistA Scheduling GUI by the user before the Report Console is started. These three filter values will be part of the SDEC_VSE.xml document. When the UI for report console is initiated, the Java application will immediately look for these filters on the XML document and populate them as the default values on the Report Console. All other remaining filters would have generic values. Once the UI is up and running with these default filters, the User can select any value from the renaming filter lists to kick start the hierarchy.

Below are fragments of the XML source file which has the default filter values for Report Type, Date and Date Aggregate.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<VAFacility Name="CHEYENNE VAMC" ID="442">
<ReportType ReportType="Primary Care"/>
```
6.6. Resource Management Reporting Application Functions

6.6.1 Report Filter Functionality

All the filters populated in the report UI will be part of the data parsed from the input SDEC_VSE.xml. All the filters are based on a hierarchical structure, where each filter is dependent on the parent filter selection. The hierarchy and descriptions are described below:

- **VA Facility** is the name of the facility for which reports are generated.
- **Report Type** defaults to the type from the VistA Scheduling GUI for which the report is being generated.
- **Date Aggregate** is the duration of the appointment cycle also defaulted to the value from the VistA Scheduling GUI. The available values are Year, Quarter, Month, Week, and Day.
- **Date** represents the activity date based on the date aggregate selected from the VistA Scheduling GUI. This filter normally has the range of dates available by week, month, quarter, and year.
- **Division** filter is populated with all the available Division names available for the selected date activity. Based on the data from the source XML, this filter will let the user select ‘ALL’ divisions.
- **Resource Group** filter contains a list of available resource groups for the selected division. When ‘All’ Divisions are selected, this filter will contain all the available Resource Groups for all the Divisions. Based on the data from the source XML, this filter will let the user select ‘ALL’ resource groups and is defaulted to ‘All’ groups.
- **Clinic/Resource Name** filter represents the Clinics & Resource names under the selected Resource Group. The filter will not have any default values and the user has to make a selection to continue with the report generation process. Based on the data from the source XML, this filter will let the user select ‘ALL’ clinics/resources.
- **Provider** filter represents the Provider names under the selected Resource Group & Clinics. The filter will not have any default values and the user has to make a selection to continue with the report generation process. Based on the data from the source XML, this filter will let the user select ‘ALL’ providers for the selected Clinics.
Once all filters are selected, the **Generate Report** button is activated and the user can generate the required report with charts (if chart data is available). See diagram below:

![Figure 39: VistA Scheduling GUI Report Console](image)

The report is opened in another applet window, the Report Viewer window, which lets the user print, save or export the report to 3 different formats, these are pdf, csv and rich text format (rtf) formats. The image below highlights the Save/Export and Print Features as implemented with the Report Viewer applet.
Once the report is generated and saved, the user can switch back to the report console window at any point and generate different reports with a different set of filters. See image below for an example of the Report Viewer UI.

![Report Viewer](image)

**Figure 41: Report Viewer**

### 6.6.2 Java Classes Implementation

The Resource Management Reporting application is a Swing based Java application developed using Java and JasperReport components. The Java classes utilized in the project are outlined below:

<table>
<thead>
<tr>
<th>Class Name</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>ReportConsole.class</td>
<td>Main implementation class which invokes the GUI.</td>
</tr>
<tr>
<td>XMLParser.class</td>
<td>This is a DOM/XPath based parser used to parse the GUI filter data from the incoming source XML from Resource Management Reporting.</td>
</tr>
<tr>
<td>ReportsAndCharts.class</td>
<td>This is the reports implementation class which takes the data from the GUI and looks through the source XML for data needed to generate the reports and charts</td>
</tr>
<tr>
<td>XPathQueryReplacer.class</td>
<td>This is a utility class used to append the incoming facility name into the Jasper Reports query.</td>
</tr>
</tbody>
</table>
### Class Name

<table>
<thead>
<tr>
<th>Class Name</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utilities.class</td>
<td>This is another utility method which stores all required utility methods.</td>
</tr>
<tr>
<td>VSEConstants.class</td>
<td>This is a method which holds all constant values for the application’s use.</td>
</tr>
<tr>
<td>Build.xml</td>
<td>This is the ant script which is used for building the jar file with all dependencies.</td>
</tr>
</tbody>
</table>

### 6.6.3 Report Viewer Functionality

The Reports tab of the VISTA SCHEDULING GUI application launches the Resource Management Reporting Filter window where a user can input filters values such as the Report Type, Date Aggregate and Date values for the reports that they wish to display. This UI is shown below:

![Figure 42: Report Viewer Functionality](image)

After a User selects the first 3 filters for a Report and they click the submit button, they are presented with the Report Console Application with another set of filter inputs that they can use to further filter report data.

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6.6.4 Report Viewer Error Handling and Resolution

The VISTA SCHEDULING GUI application is designed to launch the Resource Management Reporting Application within a Java Virtual Machines (JVM) window by executing the compiled java application (.jar) file with an argument to provide the location of the folder where the data source file (SDEC_VSE.xml) and the JasperReport template files (.jrxml). An example of the command to launch the Resource Management Reporting Application with the required argument is shown below:

```
Java -jar SDEC_VSE_ReportConsole.jar C:\Users\VA_User\Documents
```

If the path to the folder provided in the argument does not exist or is otherwise invalid, then the user will see an error window.

Some of the causes and potential resolution of this errors are listed in the sections below.

6.6.4.1 Invalid Folder or Folder Does Not Exist

When the folder location provided to the Resource Management Reporting java application does not exist, an error window is displayed. The VS GUI application uses the HOMEPATH windows environment variable to determine the documents folder for storing the application working files, i.e. the .xml and .jrxml files, check the value set for the HOMEPATH variable to confirm that the folder is valid and that the user is has access to this folder.
6.6.4.2 Missing Source Data File (SDEC_VSE.xml)

The VISTA SCHEDULING GUI application uses RPCs to download the source data XML file from the central server to the folder path set by the HOMEPATH environment variable on the user’s local workstation. When a user launches the Resource Management Reporting Application, this XML file is accessed and parsed by the application in order to render the report content, if there was an issue with downloading the XML file either because of access permission issue or an invalid folder path and the file is missing from the designated HOMEPATH folder, then the user would see an empty Report Viewer window as shown below:

![Figure 44: Report Viewer](image)

In order to resolve this issue, check that the user has the right permissions to the HOMEPATH folder and also check that the folder name that is set in this environment variable does not have invalid characters such as "$" or "&" that may can cause the process of parsing the folder name to fail. If there are invalid characters in the folder name then this issue may have to be escalated to the development team to review and resolve.
6.6.4.3 Java Application Exception Error Logs

The Resource Management Reporting Application is designed to log java exception errors to a log file “SDEC_VSE_LOG.log”. This log file is usually created in the same working folder as the .XML data source file and .JRXML JasperReport template files. The java exceptions logged into the file provide critical information for diagnosing issues with launching and using the Resource Management Reporting Application. An excerpt from the contents of the log file below shows a scenario where the data source XML file was not found by the application at runtime, in this case the issue will have to be resolved by ensuring that the XML file was properly created and loaded into the correct folder as expected by the application.

```
Jun 01, 2015 7:53:59 PM gov.va.med.scheduling.utilities.Utilities logger
INFO: Exception in XML Parser

Jun 01, 2015 7:53:59 PM gov.va.med.scheduling.utilities.Utilities logger
INFO: java.io.FileNotFoundException: C:\temp\Test My Documents\SDEC_VSE.XML (The system cannot find the file specified)
   at java.io.FileInputStream.open(Native Method)
   at java.io.FileInputStream.<init>(Unknown Source)
   at java.io.FileReader.<init>(Unknown Source)
   at gov.va.med.scheduling.infra.XMLParser.replaceAposInXML(XMLParser.java:304)
   at gov.va.med.scheduling.infra.XMLParser.loadFilters(XMLParser.java:49)
   at gov.va.med.scheduling.ui.ReportConsole.getFacilityName(ReportConsole.java:433)
```