Department of Veterans Affairs

VistA Scheduling Enhancements (VSE)
Enhancement 1: An Aggregated View of VistA Clinic Profile Scheduling Grids for VistA Scheduling
Enhancement 2: A Single Queue for Appointment Requests
SD*5.3*627
SD*5.3*642
Enhancement 3: Resource Management Reporting
SD*5.3*628

Additional Enhancements
VS GUI
SD*5.3*658

Technical Manual

January 2017
Version 6.2
## Revision History

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</table>
# Table of Contents

1. **Overview** .................................................................................................................. 1  
   1.1. Security .................................................................................................................. 1  
   1.2. Rules of Behavior ................................................................................................. 1  
   1.3. Orientation ........................................................................................................... 1  

2. **Implementation and Maintenance** ........................................................................ 2  
   2.1. System Requirements .......................................................................................... 2  
   2.2. Package-Wide Variables ...................................................................................... 2  
   2.3. Menu Diagram ..................................................................................................... 2  
   2.4. Routines ............................................................................................................... 2  
   2.5. Files and Tables .................................................................................................. 8  
      2.5.1. File Access .................................................................................................. 9  
      2.5.2. Client Application Dependencies and Files ............................................. 10  
         2.5.2.1. VistA Scheduling GUI Trace Log .................................................. 12  
         2.5.2.2. Request Management .................................................................. 14  
   2.6. VistA Scheduling GUI Cross References ......................................................... 16  
   2.7. Table File ......................................................................................................... 33  
   2.8. Internal Relations ............................................................................................. 95  
   2.9. External Relations ............................................................................................. 95  
   2.10. Published Entry Points ..................................................................................... 95  
   2.11. Exported Option ............................................................................................... 96  
   2.12. Parameter Definitions ....................................................................................... 96  
   2.13. Security Keys ................................................................................................. 96  
   2.14. Archiving and Purging ...................................................................................... 97  

   3.1. System Requirements ......................................................................................... 98  
   3.2. Application Files ................................................................................................. 98  
   3.4. Data Flow Diagram .......................................................................................... 100  
   3.5. Implementation of Report Filters ...................................................................... 100  
   3.6. Resource Management Reporting Application Functions ................................ 101  
      3.6.1. Report Filter Functionality ........................................................................ 101  
      3.6.2. Java Classes Implementation .................................................................... 103  
      3.6.3. Report Viewer Functionality ...................................................................... 104  
      3.6.4. Report Viewer Error Handling and Resolution ....................................... 105  
         3.6.4.1. Invalid Folder or Folder Does Not Exist ......................................... 105  
         3.6.4.2. Missing Source Data File (SDEC_VSE.xml) ................................... 106  
         3.6.4.3. Java Application Exception Error Logs ......................................... 107
4. Generating Online Documentation ..................................................... 108
  4.1. %INDEX ......................................................................................................... 108
  4.2. List File Attributes ....................................................................................... 109
  4.3. Standards and Conventions Requirements and Exemptions .............. 109
  4.4. Callable Routines ......................................................................................... 109
5. Glossary ................................................................................................. 110

List of Figures
Figure 1: Trace Log Capability Shortcut .................................................... 13
Figure 2: Show Trace Log Menu Option ....................................................... 13
Figure 3: VistA Scheduling GUI Trace Log .................................................. 14
Figure 4: Request Query ................................................................................. 15
Figure 5: Query Results .................................................................................. 15
Figure 6: VistA Scheduling GUI Cross Reference ...................................... 16
Figure 7: VistA Scheduling GUI Cross Reference (cont.) ............................ 17
Figure 8: VistA Scheduling GUI Cross Reference (cont.) ............................ 17
Figure 9: VistA Scheduling GUI Cross Reference (cont.) ............................ 17
Figure 10: VistA Scheduling GUI Cross Reference (cont.) ......................... 18
Figure 11: VistA Scheduling GUI Cross Reference (cont.) ......................... 18
Figure 12: VistA Scheduling GUI Cross Reference (cont.) ......................... 18
Figure 13: VistA Scheduling GUI Cross Reference (cont.) ......................... 19
Figure 14: VistA Scheduling GUI Cross Reference (cont.) ......................... 19
Figure 15: VistA Scheduling GUI Cross Reference (cont.) ......................... 19
Figure 16: VistA Scheduling GUI Cross Reference (cont.) ......................... 20
Figure 17: VistA Scheduling GUI Cross Reference (cont.) ......................... 20
Figure 18: VistA Scheduling GUI Cross Reference (cont.) ......................... 21
Figure 19: VistA Scheduling GUI Cross Reference (cont.) ......................... 21
Figure 20: VistA Scheduling GUI Cross Reference (cont.) ......................... 22
Figure 21: VistA Scheduling GUI Cross Reference (cont.) ......................... 22
Figure 22: VistA Scheduling GUI Cross Reference (cont.) ......................... 22
Figure 23: VistA Scheduling GUI Cross Reference (cont.) ......................... 23
Figure 24: VistA Scheduling GUI Cross Reference (cont.) ......................... 26
Figure 25: VistA Scheduling GUI Cross Reference (cont.) ......................... 27
Figure 26: VistA Scheduling GUI Cross Reference (cont.) ......................... 28
Figure 27: VistA Scheduling GUI Cross Reference (cont.) ......................... 28
Figure 28: VistA Scheduling GUI Cross Reference (cont.) ......................... 29
Figure 29: VistA Scheduling GUI Cross Reference (cont.) ......................... 29
Figure 30: VistA Scheduling GUI Cross Reference (cont.) ......................... 30
Figure 31: VistA Scheduling GUI Cross Reference (cont.) ......................... 30
Figure 32: VistA Scheduling GUI Cross Reference (cont.) ......................... 30
Figure 33: VistA Scheduling GUI Cross Reference (cont.) ......................... 31
Figure 34: VistA Scheduling GUI Cross Reference (cont.) ......................... 31
Figure 35: VistA Scheduling GUI Cross Reference (cont.) ......................... 31
List of Tables

Table 1: Routines and Description .................................................................................................. 2
Table 2: File Numbers and Names ................................................................................................ 8
Table 3: File Access ..................................................................................................................... 9
Table 4: Exported Option and Description ................................................................................. 95
Table 5: Parameter Definitions ................................................................................................... 96
Table 6: Exported Security Keys .................................................................................................. 96
Table 7: Java Class Name and Purpose ...................................................................................... 103
Table 8: Terms and Definitions .................................................................................................. 110
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:

- MS Windows user interface
- Graphical patient, clinic, provider, and resource scheduling
- Tightly linked 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 linked 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
- View schedules for multiple clinics simultaneously
- 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 set-up parameters and patient information. In other words, not all VistA Scheduling GUI options are available to all users. Contact your site administrator to determine or change your 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 is to install patches SD*5.3*627, SD*5.3*642, SD*5.3*628, and SD*5.3*658 using the Kernel Installation & Distribution System (KIDS) module and 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. 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.

2.1. System Requirements

- Server
  - Cache version 5.0
  - Kernel version 8
  - Patient Information Management System (PIMS) version 5.3 patch 1012
  - VistA Scheduling Patch SD*5.3*627
  - VistA Scheduling Patch SD*5.3*628
  - VistA Scheduling Patch SD*5.3*642
  - VistA Scheduling Patch SD*5.3*658

- Client
  - .Net Version 4.0 or higher
  - 4 GB RAM

2.2. Package-Wide Variables

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

2.3. Menu Diagram

VistA Scheduling GUI menus are discussed in detail in the *VistA Scheduling Enhancements VS GUI User Guide*.

2.4. Routines

Table 1: Routines and Description

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<td>SDAMWI1</td>
<td>ALB/MJK - Walk-Ins (cont.)</td>
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<td>ALB/MJK - Outpatient API/Appointments</td>
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<td>SDB</td>
<td>FLA/RF,BSN/GRR - SET UP A CLINIC</td>
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<td>ALB/GRR - SET UP A CLINIC</td>
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<td>SDN</td>
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<td>Routine</td>
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<td>SDREACT</td>
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<td>SDRRISRÚ</td>
<td>10N20/MAH; Recall Reminder Utilities</td>
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<td>SD<em>5.3</em>628 Post Install Routine</td>
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2.5. Files and Tables

Table 2: File Numbers and Names

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<td>RECALL REMINDERS</td>
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</tr>
<tr>
<td>409.845</td>
<td>SDEC PREFERENCES AND SPECIAL NEEDS</td>
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### 2.5.1. File Access

#### Table 3: File Access

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<th>WRITE</th>
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## 2.5.2. Client Application Dependencies and Files

### Table 4: Clinical Scheduler Distributable Files

<table>
<thead>
<tr>
<th>Clinical Scheduler Files</th>
<th>Description</th>
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<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>Required functionality for cancelling appointments and Appointment Requests.</td>
</tr>
<tr>
<td>ChangeDivision.dll</td>
<td>Functionality required for Changing Divisions and invoking Authentication functionality for Division.</td>
</tr>
<tr>
<td>CheckIn.dll</td>
<td>Functionality required to check in Patients for a selected appointment.</td>
</tr>
<tr>
<td>CheckOut.dll</td>
<td>Functionality required 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 remote procedure calls.</td>
</tr>
<tr>
<td>FindAppt.dll</td>
<td>Functionality required for searching and finding appointments based on criteria set.</td>
</tr>
<tr>
<td>Management.dll</td>
<td>Functionality required for managing Users, Clinics and Clinic Groups.</td>
</tr>
<tr>
<td>MarkAsNoShow.dll</td>
<td>Functionality required 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>Functionality required to Create New Appointments.</td>
</tr>
<tr>
<td>PatientSelection.dll</td>
<td>Functionality required to select a Patient from the VistA Patient file.</td>
</tr>
<tr>
<td>Reports.dll</td>
<td>Functionality required to support the GUI reports implemented in E1/E2 and E3.</td>
</tr>
<tr>
<td>ResourceSelection.dll</td>
<td>Functionality required 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 that 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,</td>
</tr>
<tr>
<td><strong>Clinical Scheduler Files</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>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 &quot;as is,&quot; extended, or modified by developers to use on complex, enterprise-level line-of-business development projects.</td>
<td></td>
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<table>
<thead>
<tr>
<th><strong>3rd Party Controls</strong></th>
<th><strong>Description</strong></th>
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</table>

<table>
<thead>
<tr>
<th><strong>Client Configuration Files</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
</table>
| ClinSchd.exe.config | This file contains configuration for internal functionality as well as configuration information for the client to connect to the VistA server. The **Application Settings** section of this file allows the user to modify the default VistA server connection that the user will need to authenticate against during application start up. <appSettings>  <add key="host" value="ServerName" />  <add key="port" value="Port" />  <add key="nspace" value="Namespace" /> </appSettings>  
*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.* |
<table>
<thead>
<tr>
<th>Clinical Scheduler Files</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<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>
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<td>Telerik.Windows.Controls.Docking.xml</td>
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<td>Microsoft.Practices.ObjectBuilder2.xml</td>
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<td>Microsoft.Practices.ServiceLocation.xml</td>
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<td>Microsoft.Practices.Unity.xml</td>
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2.5.2.1. **VistA Scheduling GUI Trace Log**

The VistA Scheduling GUI Trace Log is a custom GUI designed to inspect and debug server side VistA Remote Procedure Calls (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.

2.5.2.2. Request Management

The VSE scheduler creates and manages several different types of appointment requests: Appointments (APPT), Electronic Wait List entries (EWL), Recalls, and Consults. These requests are retrieved and stored in different files in VistA. To view requests users will submit queries to the VistA server in order to retrieve individual requests. Users can search by patients 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 current query. 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.
Figure 4: Request Query

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.

Figure 5: Query Results
2.6. VistA Scheduling GUI Cross References

TRADITIONAL CROSS-REFERENCE LIST -- 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 if that provider is listed as default.

1)  S "SC("AVADPR",X,DA(1),DA)=SP(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)

---

Figure 6: VistA Scheduling GUI Cross Reference
Figure 7: VistA Scheduling GUI Cross Reference (cont.)

Figure 8: VistA Scheduling GUI Cross Reference (cont.)

Figure 9: VistA Scheduling GUI Cross Reference (cont.)
TRADITIONAL CROSS-REFERENCE LIST -- FILE #409.3, FIELD #8.5 10/28/15 PAGE 1

**AE REGULAR**

**Field:** HL SPECIFIC HOSPITAL LOCATION (409.3,8.5)
**Description:** This xref is used to find entries associated with a particular HOSPITAL LOCATION.
1) $ ^SDWL(409.3,"AE","E",X,E(2.9),DA)=""$
2) $ ^SDWL(409.3,"AE","E",X,E(2.9),DA)=""$

---

**Figure 10: VistA Scheduling GUI Cross Reference (cont.)**

---

**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, ^SP("SDWL(409.3,DA,0),U,2,"')="" ^SDWL(409.3,"E",X,SP("SDWL(409.3,DA,0),U,2,"')="")$
2) $ K, ^SP("SDWL(409.3,DA,0),U,2,"')="" ^SDWL(409.3,"E",X,SP("SDWL(409.3,DA,0),U,2,"')="))$

---

**Figure 11: VistA Scheduling GUI Cross Reference (cont.)**

---

**ETOD 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, ^SP("SDWL(409.3,DA,0),U,17,"')="" ^SDWL(409.3,"E",SP("SDWL(409.3,DA,0),U,17,"')="",X,DA)=""$
2) $ K, ^SP("SDWL(409.3,DA,0),U,17,"')="" ^SDWL(409.3,"E",SP("SDWL(409.3,DA,0),U,17,"')="",X,DA)=""$

---

**Figure 12: VistA Scheduling GUI Cross Reference (cont.)**
Figure 13: VistA Scheduling GUI Cross Reference (cont.)

Figure 14: VistA Scheduling GUI Cross Reference (cont.)

Figure 15: VistA Scheduling GUI Cross Reference (cont.)
**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)

Figure 16: VistA Scheduling GUI Cross Reference (cont.)

**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 $ 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)

Figure 17: VistA Scheduling GUI Cross Reference (cont.)
**GSA (**#1390**) RECORD  REGULAR  IR  LOOKUP & SORTING**

**Sort 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 "SDHL(409.3,"GSA",X(1),X(2),X(3),DA)=""

**Kill Logic:** K "SDHL(409.3,"GSA",X(1),X(2),X(3),DA)

**Whole Kill:** K "SDHL(409.3,"GSA")

**X(1):**
- Computed Code: S X=$P($G("SDHL(409.31,+P($G("SDHL(409.3,DA,0)),0)),U,0),0),U,1)
- (Subscr 1) (forwards)

**X(2):**
- Computed Code: S X=$P($G("DPT(+P($G("SDHL(409.3,DA,0)),0),U,0),U,1)
- (Subscr 2) (forwards)

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

---

**GSB (**#1391**) RECORD  REGULAR  IR  LOOKUP & SORTING**

**Sort 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 "SDHL(409.3,"GSB",X(1),X(2),X(3),DA)="

**Kill Logic:** K "SDHL(409.3,"GSB",X(1),X(2),X(3),Da)

**Whole Kill:** K "SDHL(409.3,"GSB")

**X(1):**
- Computed Code: S X=$P($G("SDHL(409.31,+P($G("SDHL(409.3,DA,0)),0)),U,0),0),U,1)
- (Subscr 1) (forwards)

**X(2):**
- Computed Code: S X=$P($G("DPT(+P($G("SDHL(409.3,DA,0)),0),U,0),U,1)
- (Subscr 2) (forwards)

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

---

Figure 18: VistA Scheduling GUI Cross Reference (cont.)

Figure 19: VistA Scheduling GUI Cross Reference (cont.)
6G (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 (#0) 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(409.3,DA ,0)),U,9),(0)),U,1)
(Subscr 1) (forwards)
X(2): ORIGINATING DATE (409.3,1) (Subscr 2) (forwards)

Figure 20: VistA Scheduling GUI Cross Reference (cont.)

6SC (1308) 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 field (#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 "$SDWL(409.3,"SC",X(1),X(2),DA)="".
Kill Logic: K "$SDWL(409.3,"SC",X(1),X(2),DA)"
Whole Kill: K "$SDWL(409.3,"SC")"
X(1): Computed Code: S X=$P($G("SDWL(409.3,DA ,0)),U,0),(0)),U,1)
(Subscr 1) (forwards)
X(2): DESIRED DATE OF APPOINTMENT (409.3,22) (Subscr 2) (forwards)

Figure 21: VistA Scheduling GUI Cross Reference (cont.)

6GC (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 (#0) 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(409.3,DA ,0)),U,9),(0)),U,1)
(Subscr 1) (forwards)
X(2): DESIRED DATE OF APPOINTMENT (409.3,22) (Subscr 2) (forwards)

Figure 22: VistA Scheduling GUI Cross Reference (cont.)
Figure 23: VistA Scheduling GUI Cross Reference (cont.)

Figure 24: VistA Scheduling GUI Cross Reference (cont.)

Figure 25: VistA Scheduling GUI Cross Reference (cont.)
Figure 26: VistA Scheduling GUI Cross Reference (cont.)

Figure 27: VistA Scheduling GUI Cross Reference (cont.)
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)

Figure 28: VistA Scheduling GUI Cross Reference (cont.)

INDEX AND CROSS-REFERENCE LIST -- FILE #409.832 10/28/15 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)

Figure 29: VistA Scheduling GUI Cross Reference (cont.)
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",$E(X,1,30),DA)=""
2) K ^SDEC(409.833,"AC",$E(X,1,30),DA)

**B REGULAR**

Field: RESOURCENAME (409.833..01)

1) S ^SDEC(409.033,"B",$E(X,1,30),DA)=""
2) K ^SDEC(409.033,"B",$E(X,1,30),DA)

Figure 30: VistA Scheduling GUI Cross Reference (cont.)

---

File #409.834

Traditional Cross-References:

**B REGULAR**

Field: NAME (409.834..01)

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

Figure 24: VistA Scheduling GUI Cross Reference (cont.)
## Traditional Cross-References:

<table>
<thead>
<tr>
<th>Field</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEX</td>
<td>REGULAR</td>
<td>Used to lookup the SDEC APPOINTMENT ien using the external ID.</td>
</tr>
<tr>
<td></td>
<td>Field: EXTERNAL ID</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Description: Used to lookup the SDEC APPOINTMENT ien using the external ID.</td>
<td></td>
</tr>
</tbody>
</table>
|         | 1)= S ^SDEC(409.84,"AEX".SE(X,1,3O).DA)=""
|         | 2)= K ^SDEC(409.84,"AEX".SE(X,1,3O).DA)                                 |
| ARSRC   | MUMPS                  | This index is used to find all appointments for a given resource during a given time period. |
|         | Field: RESOURCE       |                                                                             |
|         | 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       |                                                                             |
|         | Description: This xref is used to look up appointments by Patient.          |
|         | 1)= S ^SDEC(409.84,"B".SE(X,1,3O).DA)=""
|         | 2)= K ^SDEC(409.84,"B".SE(X,1,3O).DA)                                     |
| CPAT    | REGULAR                |                                                                             |
|         | Field: PATIENT         |                                                                             |
|         | Description: This xref is used to look up appointments by Patient.          |
|         | 1)= S ^SDEC(409.84,"CPAT".SE(X,1,3O).DA)=""
|         | 2)= K ^SDEC(409.84,"CPAT".SE(X,1,3O).DA)                                  |

Figure 25: VistA Scheduling GUI Cross Reference (cont.)
Traditional Cross-References:

**B REGULAR**
- **Field**: PATIENT (409.845, 01)
  1. `S "SDEC(409.845,"B",$E(X,1.30),DA)=""`

Subfile #409.0451

Traditional Cross-References:

**B REGULAR**
- **Field**: PREFERENCE (409.0451, 01)
  1. `S "SDEC(409.045,DA(1),1,"B",$E(X,1.30),DA)=""`

**Figure 26: VistA Scheduling GUI Cross Reference (cont.)**

File #409.85

Traditional Cross-References:

**B REGULAR**
- **Field**: PATIENT (409.85, 01)
  1. `S "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)`

**Figure 27: VistA Scheduling GUI Cross Reference (cont.)**
Neu-Style Indexes:

AC (#1172) 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 ^$DEC(409.85,"AC",X(1),X(2),DA)="
Kill Logic: K ^$DEC(409.85,"AC")
Whole Kill: K ^$DEC(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 (#1171) 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 ^$DEC(409.85,"E",X(1),X(2),DA)="
Kill Logic: K ^$DEC(409.85,"E",X(1),X(2),DA)
Whole Kill: K ^$DEC(409.85,"E")
  X(1): CURRENT STATUS (409.85,23) (Subscr 1) (forwards)
  X(2): CREATE DATE (409.85,1) (Subscr 2) (forwards)

Figure 28: VistA Scheduling GUI Cross Reference (cont.)

Subfile #409.851

Traditional Cross-References:

B REGULAR
  Field: WRTC CALC PRT DATES (409.851,01)
    1): S ^$DEC(409.85,D(1),5,"B",E(X,1,30),DA)="

Subfile #409.852

Traditional Cross-References:

B REGULAR
  Field: MULT APPTS MADE (409.852,01)

Subfile #409.8544

Traditional Cross-References:

B REGULAR
  Field: DATE ENTERED (409.8544,01)
    1): S ^$DEC(409.85,D(1),4,"B",E(X,1,30),DA)="

Figure 29: VistA Scheduling GUI Cross Reference (cont.)
GS (#1380) RECORD REGULAR IR LOOKUP & SORTING

Short Descr: SORT BY REQ SERVICE/SPECIALTY ID AND ORIGINATING DATE

Description: This vref is used to sort Appointment Request entries by
the REQ SERVICE/SPECIALTY field (#0.5) and the CREATE DATE
field (#1).

Set Logic: S "$DSE(409.85,"GS",X(1),X(2),DA)="'
Kill Logic: K "$DSE(409.85,"GS",X(1),X(2),DA)
Whole Kill: K "$DSE(409.85,"GS")
X(1): REQ SERVICE/SPECIALTY (409.85,0.5) (Subscr 1) (forwards)
X(2): CREATE DATE (409.85,1) (Subscr 2) (forwards)

Figure 30: VistA Scheduling GUI Cross Reference (cont.)

GSP (#1382) RECORD REGULAR IR LOOKUP & SORTING

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

Description: This vref is used to sort Appointment Request entries by
the REQ SERVICE/SPECIALTY field (#0.5), 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 "$DSE(409.85,"GSP",X(1),X(2),X(3),DA)="'
Kill Logic: K "$DSE(409.85,"GSP",X(1),X(2),X(3),DA)
Whole Kill: K "$DSE(409.85,"GSP")
X(1): REQ SERVICE/SPECIALTY (409.85,0.5) (Subscr 1) (forwards)
X(2): Computed Code: N DFN, PCE $DFN=$G("$DSE(409.85,DA,0),U,0,1),PCE=$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)

Figure 31: VistA Scheduling GUI Cross Reference (cont.)

GSA (#1383) RECORD REGULAR IR LOOKUP & SORTING

Short Descr: SORT BY REQ SERVICE/SPECIALTY, SVC CONNECTED, AND CREATE
DATE

Description: This vref is used to sort Appointment Request entries by
the REQ SERVICE/SPECIALTY field (#0.5), SERVICE CONNECTED,
and the CREATE DATE field (#1). SERVICE CONNECTED is the
SERVICE CONNECTED? field (#.301) in the PATIENT file (#2).

Set Logic: S "$DSE(409.05,"GSA",X(1),X(2),X(3),DA)="'
Kill Logic: K "$DSE(409.85,"GSA",X(1),X(2),X(3),DA)
Whole Kill: K "$DSE(409.85,"GSA")
X(1): REQ SERVICE/SPECIALTY (409.05,0.5) (Subscr 1) (forwards)
X(2): Computed Code: N DFN S DFN=$P($G("$DSE(409.85,DA,0),U,1) S X+=$P($G("DPT(+DFN,3),U,1) S:X="" X=0
(Subscr 2) (forwards)
X(3): CREATE DATE (409.85,1) (Subscr 3) (forwards)

Figure 32: VistA Scheduling GUI Cross Reference (cont.)
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 (#0.5), SERVICE CONNECTED PRIORITY field (#15), and the CREATE DATE field (#1).

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

Figure 33: VistA Scheduling GUI Cross Reference (cont.)

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)

Figure 34: VistA Scheduling GUI Cross Reference (cont.)

GSC (#1301) 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 (#A.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)

Figure 35: VistA Scheduling GUI Cross Reference (cont.)
Figure 36: VistA Scheduling GUI Cross Reference (cont.)

INDEX AND CROSS-REFERENCE LIST -- FILE #409.3 11/12/15 PAGE 1

Subfile #409.345

Traditional Cross-References:

B REGULAR
Field: DATE EDITED (409.345, .01)
  1) = S ^SDW(409.3, DA(1), 6, "B", $E(X, 1, 30), DA)=""
  2) = K ^SDW(409.3, DA(1), 6, "B", $E(X, 1, 30), DA)

Figure 37: VistA Scheduling GUI Cross Reference (cont.)
2.7. Table File

Figures 38 through 107 depict the table file.

---

**STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE**

STORED IN SD(403.5), *** NO DATA STORED YET ***

`gov` `uci`: DEVVVV,DEVVV

 SITE: PATVee.F0-ALBANY.MED.VA

(VERSION 5.3)

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

---

**403.5,2.5**

**COMMENT**

0;7 FREE TEXT (audited)

**INPUT TRANSFORM:**

`K:($L(x)\geq80!($L(x)<1)\times`  

**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

---

Figure 38: Table File

---

**STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE**

STORED IN SD(403.5), *** NO DATA STORED YET ***

`gov` `uci`: DEVVVV,DEVVV

 SITE: PATVee.F0-ALBANY.MED.VA

(VERSION 5.3)

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

---

**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

---

Figure 39: Table File (cont.)
<table>
<thead>
<tr>
<th>DATA ELEMENT</th>
<th>NAME</th>
<th>GLOBAL LOCATION</th>
<th>DATA TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>403.5.3</td>
<td>TEST/APP.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAST EDITED:</td>
<td>Nov 02, 2016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HELP-PROMPT:</td>
<td>Select the type of recall visit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DESCRIPTION:</td>
<td>This is the type of recall visit that is assigned for this entry.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUDIT:</td>
<td>YES, ALWAYS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FILES POINTED TO:

RECALL REMINDERS APPT TYPE
(#403.51) TEST/APP. (#3)

Figure 40: Table File (cont.)

<table>
<thead>
<tr>
<th>DATA ELEMENT</th>
<th>NAME</th>
<th>GLOBAL LOCATION</th>
<th>DATA TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>403.5.4</td>
<td>PROVIDER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAST EDITED:</td>
<td>Nov 02, 2016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HELP-PROMPT:</td>
<td>Select the provider for this recall entry.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DESCRIPTION:</td>
<td>The provider who is assigned for this recall entry.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUDIT:</td>
<td>YES, ALWAYS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CROSS-REFERENCE:</td>
<td>403.5AC 1= S ASD(403.5,&quot;C&quot;,$E(X,1,30),DA)=&quot;&quot; 2= K ASD(403.5,&quot;C&quot;,$E(X,1,30),DA) Used for printing of the cards/letter and reports by provider or recall team.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FILES POINTED TO:

RECALL REMINDERS PROVIDERS
(#403.54) PROVIDER (#4)

Figure 41: Table File (cont.)
**STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE**

STORED IN $SD(403.5, **NO DATA STORED YET** SITE: PATVGE.FO-ALBANY.MED.VA .GOV UCI: DENVV,DENVV

(VERSION 5.3)

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

**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 is linked to.

**DESCRIPTION:** This is the Hospital Location which this patient will have the Recall entry assigned.

**AUDIT:** YES, ALWAYS

**CROSS-REFERENCE:**

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.

**FILES POINTED TO**

- HOSPITAL LOCATION (#44)

**FIELDS**

- CLINIC (#4.5)

Figure 42: Table File (cont.)

**STANDARD DATA DICTIONARY #403.5 -- RECALL REMINDERS FILE**

STORED IN $SD(403.5, **NO DATA STORED YET** SITE: PATVGE.FO-ALBANY.MED.VA .GOV UCI: DENVV,DENVV

(VERSION 5.3)

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

**403.5.4.7** LENGTH OF APPT.

0:9 NUMBER (audited)

**INPUT TRANSFORM:** K:*X"-X!(X>120)!((X<10)!(?.,E1".1",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

Figure 43: Table File (cont.)
## Table File (cont.)

**STANDARD DATA DICTIONARY #103.5 -- RECALL REMINDERS FILE**

**DEPARTMENT:** `EVVVV,DEVVVV`

**SITE:** TECHNICAL INTEGRATION SERVICE

**UCI:** D

**VERSION:** 5.3

### Table: Data Dictionary

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>NAME</th>
<th>TITLE</th>
<th>GLOBAL</th>
<th>LOCATION</th>
<th>DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>403.5.7.5</td>
<td>DATE/TIME RECALL ADDED</td>
<td>0:14 DATE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INPUT TRANSFORM:**

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

**LAST EDITED:** APR 03, 2015

**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.

**NOTES:** XXXX--CANT BE ALTERED EXCEPT BY PROGRAMMER

**RECORD INDEX:**

AC (#1162) REGULAR IN 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)
<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>NAME</th>
<th>GLOBAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>403.56,7.5</td>
<td>DATE/TIME RECALL ADDED 0:12 DATE</td>
<td></td>
</tr>
</tbody>
</table>

**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 INDEX:** AC (H163) 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)
### STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE

**FILE STORED IN:** `~SDWL(409.3)`, (8 ENTRIES)  
**SITE:** TECHNICAL INTEGRATION SERVICE  
**UCI:** DEVYYV, DEVYYV  
**VERSION 5.3**

<table>
<thead>
<tr>
<th>DATA ELEMENT</th>
<th>NAME</th>
<th>TITLE</th>
<th>GLOBAL LOCATION</th>
<th>DATA TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>409.3.8.5</td>
<td>WL SPECIFIC HOSPITAL LOCATION</td>
<td>0:24 POINTER TO HOSPITAL LOCATION FILE (#44)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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",SE(X,1,30),DA)=""`  
2) `K "SDWL(409.3,"AE",SE(X,1,30),DA)`  
This xref is used to find entries associated with a particular HOSPITAL LOCATION.

**RECORD INDEX:** AD (#1188) REGULAR IR SORTING ONLY  
**Short Descr:** Index by PATIENT and WL SPECIFIC HOSPITAL LOCATION  
**Description:** This cross references 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)`

**FILES POINTED TO**  
**FIELDS**

- HOSPITAL LOCATION (#44)  
- WL SPECIFIC HOSPITAL LOCATION (#0.5)

---

Figure 46: Table File (cont.)
### Figure 35

**STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE**

<table>
<thead>
<tr>
<th>DATA ELEMENT</th>
<th>NAME</th>
<th>GLOBAL LOCATION</th>
<th>DATA TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>409.3.8.7</td>
<td>WL APPOINTMENT TYPE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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  

**FILES POINTED TO**  
**FIELDS**  
**APPOINTMENT TYPE (#409.1)**  
**WL APPOINTMENT TYPE (#8.7)**

### Figure 47: Table File (cont.)

### Figure 48: Table File (cont.)
<table>
<thead>
<tr>
<th>DATA</th>
<th>NAME</th>
<th>GLOBAL LOCATION</th>
<th>DATA TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>409.3.10</td>
<td>PRIORITY</td>
<td>0:11 SET (Required)</td>
<td></td>
</tr>
</tbody>
</table>

'\textbf{A}' FOR ASAP;
'\textbf{F}' FOR FUTURE;

\textbf{LAST EDITED:} AUG 05, 2002

\textbf{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+EM)

\textbf{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 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.

Figure 49: Table File (cont.)
### Figure 50: Table File (cont.)

#### STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE

**STORED IN:** ^SDWL(409.3), (8 ENTRIES)  
**SITE:** TECHNICAL INTEGRATION SERVICE  
**UCI:** DEVVVV.DEVVVV  
**VERSION 5.3**

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

<table>
<thead>
<tr>
<th>409.3,10.5</th>
<th>ENROLLMENT PRIORITY</th>
<th>0;25 SET</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>'1' FOR GROUP 1:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'2' FOR GROUP 2:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'3' FOR GROUP 3:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'4' FOR GROUP 4:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'5' FOR GROUP 5:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'6' FOR GROUP 6:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'7' FOR GROUP 7:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'8' FOR GROUP 8:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LAST EDITED:** SEP 23, 2019  
**HELP-PROMPT:** Select an enrollment priority  
**DESCRIPTION:** The ENROLLMENT PRIORITY field represents the Wait List Enrollment Priority.

---

### Figure 51: Table File (cont.)

#### STANDARD DATA DICTIONARY #409.3 -- SD WAIT LIST FILE

**STORED IN:** ASDWL(409.3), *** NO DATA STORED YET ***  
**VA.GOV UCI:** DEVVVV.DEVVVV  
**SITE:** PATVEE.FD-ALBANY.MED.  
**VERSION 5.3**

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

<table>
<thead>
<tr>
<th>409.3,11</th>
<th>REQUEST BY</th>
<th>0;12 SET (required) (audited)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>'1' FOR PROVIDER;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'2' FOR PATIENT;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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
Figure 52: Table File (cont.)

Figure 53: Table File (cont.)
<table>
<thead>
<tr>
<th>Data Element</th>
<th>Name</th>
<th>Title</th>
<th>Global Data Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>409.344.01</td>
<td>DATE ENTERED</td>
<td>0:1 DATE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>INPUT TRANSFORM:</td>
<td>S %DT=&quot;ETX&quot; D ^%DT S X-Y K:Y&lt;X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAST EDITED:</td>
<td>NOV 14, 2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HELP-PROMPT:</td>
<td>Enter a date. Time is optional.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION:</td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>409.344.2</td>
<td>ENTERED BY USER</td>
<td>0:2 POINTER TO NEW PERSON FILE (#200)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAST EDITED:</td>
<td>OCT 01, 2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HELP-PROMPT:</td>
<td>Select a provider</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION:</td>
<td>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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 54: Table File (cont.)
<table>
<thead>
<tr>
<th>DATA ELEMENT</th>
<th>NAME</th>
<th>GLOBAL LOCATION</th>
<th>DATA TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>409.344.3</td>
<td>ACTION</td>
<td>0;3 SET</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'C' FOR CALLED;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'M' FOR MESSAGE LEFT;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'L' FOR LETTER;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAST EDITED: APR 21, 2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HELP-PROMPT: Select an action</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION: The ACTION field represents the attempt that was made to contact the patient regarding 'this' appointment. C = Called</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>M = Message Left</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>L = LETTER</td>
<td></td>
</tr>
<tr>
<td>409.344.4</td>
<td>PATIENT PHONE</td>
<td>0;4 FREE TEXT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>INPUT TRANSFORM: K:$L(X)&gt;201 (!SL(X)&lt;4) X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LAST EDITED: NOV 13, 2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HELP-PROMPT: Answer must be 4-20 characters in length.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION: This is the phone number used to contact the patient.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 55: Table File (cont.)
<table>
<thead>
<tr>
<th>DATA</th>
<th>NAME</th>
<th>GLOBAL</th>
<th>DATA</th>
<th>LOCATION</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>409.3,45</td>
<td>VS AUDIT</td>
<td>6;0 DATE Multiple #409.345</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Add New Entry without Asking)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>DESCRIPTION: This multiple is used as an audit trail of specific fields for VistA Scheduling GUI.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>409.345,.01</td>
<td>DATE EDITED</td>
<td>0;1 DATE (Multiply asked)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>INPUT TRANSFORM: S XDT=&quot;ETXR&quot; D ^%DT S X-Y K:Y&lt;1 X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LAST EDITED: NOV 06, 2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HELP-PROMPT: Enter a date and time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>DESCRIPTION: This is the Date/Time in which the edits represented by this entry were made.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CROSS-REFERENCE: 409.345^B</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
|        |          | 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: NOV 06, 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: NOV 06, 2015 |
|        |          | HELP-PROMPT: Select clinic from approved wait list clinics |
|        |          | DESCRIPTION: If the patient has been assigned to the Specific Clinic Wait List, enter the clinic that the patient is waiting for an appointment. The clinic must be active and must be assigned to the institution designated. It must be an active clinic in file 409.32 |

Figure 56: Table File (cont.)
Figure 57: Table File (cont.)
This is where Versions and Builds are recorded for Clinic Scheduling.

 DD ACCESS:
 RR ACCESS:
 WR ACCESS:
 DEL ACCESS:
 LAYGO ACCESS:
 AUDIT ACCESS:

CROSS
REFERENCED BY: MAJOR VERSION(B)

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

INPUT TRANSFORM: K:SL(X)>30!(SL(X)<1)!'(X'!?1P.E) X
LAST EDITED: AUG 06, 2014
HELP-PROMPT: Answer must be 1-30 characters in length.
DESCRIPTION: Major part of a version number. i.e. for version 1.0, 1 is the Major Version; 0 is the Minor version

CROSS-REFERENCE: 409.81^B
1) = $"SDEC(409.81,"D",$E(X,1.30),DA)=""
2) = K "$SDEC(409.81,"B",$E(X,1.30),DA)"

Figure 58: Table File (cont.)
Figure 59: Table File (cont.)

### MINOR VERSION

**0;2 FREE TEXT**

**INPUT TRANSFORM:**

\[ \text{K:SL(X)>301($L(X)<1) X} \]

**LAST EDITED:**

AUG 08, 2014

**HELP-PROMPT:**

Answer must be 1-30 characters in length.

**DESCRIPTION:**

Major part of a version number. i.e. for version 1.0, 1 is the Major Version; 0 is the Minor version.

### BUILD

**0;3 DATE**

**INPUT TRANSFORM:**

\[ \text{S \%DT=“ET” D \%DT S X=Y K;Y<1 X} \]

**LAST EDITED:**

AUG 08, 2014

**HELP-PROMPT:**

Enter a date and time

**DESCRIPTION:**

Build date is the date of the current build of this Major.Minor version.
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:
- LAYGU ACCESS:
- AUDIT ACCESS:

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'?!P.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) = $SDEC(409.822,"D",$E(X,1.30),DA)="
  2) = $K SDEC(409.822,"B",$E(X,1.30),DA)
STANDARD DATA DICTIONARY #409.823 -- SDEC ACCESS TYPE FILE

STORED IN "SDEC(409.823)" (5 ENTRIES) SITE: TECHNICAL INTEGRATION SERVICE UC I: DEVV,DEVV

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.

DO ACCESS:
RD ACCESS:
WR ACCESS:
DEL ACCESS:
LAYGO ACCESS:
AUDIT ACCESS:

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:$L(X)>(0!($L(X)<3)!'(X'?!P.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)"

Figure 61: Table File (cont.)
Figure 62: Table File (cont.)
409.823.06  GREEN  0:6 NUMBER

INPUT TRANSFORM: \( K: +x' = \max(\text{INT}(x>255)\text{INT}(x<0))\text{INT}(\text{ABS}(x\cdot E^1)\text{INT}(x\cdot E^1)) \)  

LAST EDITED: AUG 12, 2014

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: \( K: +x' = \max(\text{INT}(x>255)\text{INT}(x<0))\text{INT}(\text{ABS}(x\cdot E^1)\text{INT}(x\cdot E^1)) \)  

LAST EDITED: AUG 12, 2014

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

'i' FOR YES;
'0' FOR NO;

LAST EDITED: AUG 12, 2014

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

<table>
<thead>
<tr>
<th>SDEC RESOURCE GROUP (#409.032)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPARTMENT NAME (4.03)</td>
</tr>
</tbody>
</table>

Figure 63: Table File (cont.)
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:**

**LAY60 ACCESS:**

**AUDIT ACCESS:**

**CROSS**

**REFERENCED BY:** ACCESS GROUP(B)

**409.824.01** ACCESS GROUP 0;1 POINTER TO SDEC ACCESS GROUP FILE (#40 9.822) (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",SE(X,1,30),DA)=""
2) K "SDEC(409.824,"B",SE(X,1,30),DA)"

Figure 64: Table File (cont.)
<table>
<thead>
<tr>
<th>409.824.02 ACCESS TYPE</th>
<th>0;2 POINTER TO SDEC ACCESS TYPE FILE (#409.823)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAST EDITED:</td>
<td>AUG 12, 2014</td>
</tr>
<tr>
<td>HELP-PROMPT:</td>
<td>Select an access type</td>
</tr>
<tr>
<td>DESCRIPTION:</td>
<td>The access type that is to be linked to an access group.</td>
</tr>
</tbody>
</table>

**FILES POINTED TO**

- SDEC ACCESS GROUP (#409.822) ACCESS GROUP (#01)
- SDEC ACCESS TYPE (#409.823) ACCESS TYPE (#02)

**INPUT TEMPLATE(S):**

**PRINT TEMPLATE(S):**

**SORT TEMPLATE(S):**

**FORM(S)/BLOCK(S):**

Figure 65: Table File (cont.)
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:**

**LAYED ACCESS:**

**AUDIT ACCESS:**

**POINTED TO BY:**
- RESOURCE field (.01) of the SDEC ACCESS BLOCK File (409.021)
- RESOURCE field (.01) of the RESOURCE sub-field (.032) of the SDEC RESOURCE GROUP File (409.032)
- RESOURCENAME field (.01) of the SDEC RESOURCE USER File (409.033)
- RESOURCE field (.07) of the SDEC APPOINTMENT File (409.04)

**CROSS REFERENCED BY:**
- HOSPITAL LOCATION(ALLOC), ASSOCIATED VISTA CLINICS(ASSOC), RESOURCE(B)

**INDEXED BY:**
- RESOURCE TYPE & RESOURCE TYPE (AC)

Figure 66: Table File (cont.)
**Figure 67: Table File (cont.)**
<table>
<thead>
<tr>
<th>400.831.016</th>
<th>ENTERED BY USER</th>
<th>0;6 POINTER TO NEW PERSON FILE (#200)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LAST EDITED:</td>
<td>OCT 29, 2014</td>
</tr>
<tr>
<td></td>
<td>HELP-PROMPT:</td>
<td>Select a user</td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION:</td>
<td>This is the user that defined this resource.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>409.831.02</th>
<th>INACTIVE</th>
<th>: COMPUTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MUMPS CODE:</td>
<td>S X=$SXRC1$SDEC03(DA)</td>
</tr>
<tr>
<td></td>
<td>ALGORITHM:</td>
<td>S X=$SXRC1$SDEC03(DA)</td>
</tr>
<tr>
<td></td>
<td>LAST EDITED:</td>
<td>NOV 14, 2014</td>
</tr>
<tr>
<td></td>
<td>HELP-PROMPT:</td>
<td>Is this resource inactive (yes/no)</td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION:</td>
<td>This computed field displays the inactive status of this resource. NO means this resource is not inactive (is active). YES means this resource inactive.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>409.831.021</th>
<th>INACTIVATED DATE/TIME</th>
<th>0;7 DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INPUT TRANSFORM:</td>
<td>S %DT=&quot;ETXR&quot; D ^%DT S X=Y K:Y&lt;1 X</td>
</tr>
<tr>
<td></td>
<td>LAST EDITED:</td>
<td>OCT 29, 2014</td>
</tr>
<tr>
<td></td>
<td>HELP-PROMPT:</td>
<td>Enter a date and time</td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION:</td>
<td>This is the date and time that this resource was inactivated.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>400.831.022</th>
<th>INACTIVATED BY USER</th>
<th>0;8 POINTER TO NEW PERSON FILE (#200)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LAST EDITED:</td>
<td>OCT 29, 2014</td>
</tr>
<tr>
<td></td>
<td>HELP-PROMPT:</td>
<td>Select a user</td>
</tr>
<tr>
<td></td>
<td>DESCRIPTION:</td>
<td>This is the user that inactivated this resource.</td>
</tr>
</tbody>
</table>

Figure 68: Table File (cont.)
Figure 69: Table File (cont.)
**Figure 70: Table File (cont.)**

### 409.831,04 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~ALLOC  
1): S "SDEC(409.831,"ALOC",XE(X,1,30),DA)=""  
2): K "SDEC(409.831,"ALOC",XE(X,1,30),DA)"  
This "ALOC" xref is used to look up an SDEC RESOURCE record using a HOSPITAL LOCATION id.

### 409.831,1 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.
ASSOCIATED VISTA CLINICS 20;0 POINTER Multiple #409.8312001

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

ASSOCIATED VISTA CLINICS 0;1 POINTER TO HOSPITAL LOCATION FILE (#44) (Multiple 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",$E(X,1,30),DA(1),DA)
  =""
2)= K ^SDEC(409.831,"ASSOC",$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.

Figure 71: Table File (cont.)
This is where Resources are 'grouped' with other Resources.

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

POINTED TO BY: DEPARTMENT NAME field (#.03) of the SDEC ACCESS TYPE File (#409.023)

CROSS REFERENCED BY: RESOURCE(AB), NAME(B)

Figure 72: Table File (cont.)
Figure 73: Table File (cont.)

INPUT TEMPLATE(S):

PRINT TEMPLATE(S):

SORT TEMPLATE(S):

FORM(S)/BLOCK(S):

Figure 74: Table File (cont.)
Figure 75: Table File (cont.)

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: 
LAY60 ACCESS: 
AUDIT ACCESS:

CROSS REFERENCED BY: USERNAME(AC), RESOURCENAME(B)

409.833..01 RESOURCENAME 0:1 POINTER TO SDEC RESOURCE FILE (#409.833 1) (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)= 5 "SDEC(409.833,"B",$E(X,1,30),DA)=""
  2)= K "SDEC(409.833,"B",$E(X,1,30),DA)"

Figure 75: Table File (cont.)
409.833.02 USERNANE

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).

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.

Figure 76: Table File (cont.)
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

NEW PERSON (#200) USERNAME (#.02)
SDEC RESOURCE (#409.831) RESOURCENAME (#.01)

INPUT TEMPLATE(S):
PRINT TEMPLATE(S):
SORT TEMPLATE(S):
FORM(S)/BLOCK(S):

Figure 77: Table File (cont.)
STANDARD DATA DICTIONARY #:409.834 -- SDEC ADDITIONAL RESOURCE FILE

STORED IN ^SDEC(409.834), *** NO DATA STORED YET *** SITE: TECHNICAL INTEGRATION SERVICE UCI: DEVVVV,DEYYVV (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 TYPE</td>
</tr>
</tbody>
</table>

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:

POINTED TO BY: RESOURCE TYPE field (m.0.012) of the SDEC RESOURCE File (m409.831)

CROSS REFERENCED BY: NAME(B)

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

INPUT TRANSFORM: K:$L(X)>(301($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"0
1) S "SDEC(409.834,"0",SE(X,1,30),DA)=""
2) K "SDEC(409.834,"0",SE(X,1,30),DA)

Figure 78: Table File (cont.)
409.034,2 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.

Figure 79: Table File (cont.)
This is where appointment definitions are linked to a resource.

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

POINTED TO BY: MULT APPTS MADE field (m.01) of the MULT APPTS MADE sub-field (m409.852) of the SDEC APPT REQUEST File (m409.85)

CROSS
REFERENCED BY: EXTERNAL ID(AEX), RESOURCE(AHASC), STARTTIME(B), PATIENT(CPAT)

<table>
<thead>
<tr>
<th>409.84,.01</th>
<th>STARTTIME</th>
<th>0;1 DATE (Required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INPUT TRANSFORM:</td>
<td>S %DT=&quot;ETXR&quot; D ^%DT S $X-Y K:Y&lt;1 X</td>
<td></td>
</tr>
<tr>
<td>LAST EDITED:</td>
<td>OCT 21, 2014</td>
<td></td>
</tr>
<tr>
<td>HELP-PROMPT:</td>
<td>Enter a date and time</td>
<td></td>
</tr>
<tr>
<td>DESCRIPTION:</td>
<td>Date and Time this appointment is scheduled to start.</td>
<td></td>
</tr>
<tr>
<td>CROSSED-REFERENCE:</td>
<td>409.84^B</td>
<td></td>
</tr>
<tr>
<td>1) = S ^SDEC(409.84,&quot;B&quot;,E(X,1,30),DA)=&quot;&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) = K ^SDEC(409.84,&quot;B&quot;,E(X,1,30),DA)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 80: Table File (cont.)
409.84..02  ENDTIME  0:2 DATE (Required)

INPUT TRANSFORM:  S %DT="ETRX" D ~%DT S X=Y K:<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="ETRX" D ~%DT S X=Y K:<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="ETRX" D ~%DT S X=Y K:<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.

Figure 81: Table File (cont.)
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 DESCR: This field is a pointer to the APPOINTMENT TYPE file 409.1.

409.84.07  RESOURCE 0:7 POINTER TO SDEC RESOURCE FILE (409.83.1)

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

CROSS-REFERENCE: 409.04*AR$RC*MUNPS
1) D XR25*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 (409.200)

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.

Figure 82: Table File (cont.)
409.04.09  DATE APPT MADE  0:9 DATE

INPUT TRANSFORM:  S %DT="EX" D ^%DT $ X=Y K:Y<1 X
LAST EDITED:  OCT 22, 2014
HELP-PROMPT:  Enter a date
DESCRIPTION:  Field contains the date the appointment was made.

409.04.1  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.

409.04.101  NOSHOW DATETIME  0:23 DATE

INPUT TRANSFORM:  S %DT="ETXR" D ^%DT $ 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.

409.04.102  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.

Figure 83: Table File (cont.)
Figure 84: Table File (cont.)
Figure 85: Table File (cont.)
Figure 86: Table File (cont.)
Figure 87: Table File (cont.)
### APPT REQUEST TYPE

<table>
<thead>
<tr>
<th>FILE</th>
<th>ORDER</th>
<th>PREFIX</th>
<th>LAGGO</th>
<th>MESSAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>409.3</td>
<td>1</td>
<td>E</td>
<td>y</td>
<td>EWL</td>
</tr>
<tr>
<td></td>
<td>123</td>
<td>C</td>
<td>y</td>
<td>CONSULT</td>
</tr>
<tr>
<td>409.5</td>
<td>3</td>
<td>R</td>
<td>y</td>
<td>RECALL</td>
</tr>
<tr>
<td>409.85</td>
<td>4</td>
<td>A</td>
<td>y</td>
<td>APPT</td>
</tr>
</tbody>
</table>

**OUTPUT TRANSFORM:**

```s
S Y=$S(SP(Y,"","",2)="SDWL(409.3,"","","EWL","","",2)="SD(123,"","","CONSULT","","",2)="SD(409.5,"","","RECALL","","",2)="SDEC(409.85,"","","APPT","",2)
```

**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.

### PATIENT STATUS

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>409.84.23</td>
<td></td>
<td>SET</td>
</tr>
</tbody>
</table>

- 'n' 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.

---

*Figure 88: Table File (cont.)*
<table>
<thead>
<tr>
<th>FILES POINTED TO</th>
<th>FIELDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPOINTMENT STATUS (#409.63)</td>
<td>PREV APPT STATUS (#.19)</td>
</tr>
<tr>
<td>APPOINTMENT TYPE (#409.1)</td>
<td>APPOINTMENT TYPE (#.06)</td>
</tr>
<tr>
<td>CANCELLATION REASONS (#409.2)</td>
<td>CANCELLATION REASON (#.122)</td>
</tr>
<tr>
<td>NEW PERSON (#200)</td>
<td>DATA ENTRY CLERK (#.08)</td>
</tr>
<tr>
<td></td>
<td>NO SHOW BY USER (#.102)</td>
</tr>
<tr>
<td></td>
<td>CANCELLED BY USER (#.121)</td>
</tr>
<tr>
<td></td>
<td>PROVIDER (#.16)</td>
</tr>
<tr>
<td>PATIENT/IHS (#9000001)</td>
<td>PATIENT (#.05)</td>
</tr>
<tr>
<td>RECALL REMINDERS (#403.5)</td>
<td>APPT REQUEST TYPE (#.22)</td>
</tr>
<tr>
<td>REQUEST/CONSULTATION (#123)</td>
<td>APPT REQUEST TYPE (#.22)</td>
</tr>
<tr>
<td>SD WAIT LIST (#400.3)</td>
<td>APPT REQUEST TYPE (#.22)</td>
</tr>
<tr>
<td>SDEC APPT REQUEST (#409.05)</td>
<td>APPT REQUEST TYPE (#.22)</td>
</tr>
<tr>
<td>SDEC RESOURCE (#409.831)</td>
<td>RESOURCE (#.07)</td>
</tr>
<tr>
<td>V PROVIDER (#9000010.08)</td>
<td>V PROVIDER IEN (#.15)</td>
</tr>
</tbody>
</table>

INPUT TEMPLATE(S):  
PRINT TEMPLATE(S):  
SORT TEMPLATE(S):  
FORM(S)/BLOCK(S):  

Figure 89: Table File (cont.)
This is where Patient Preferences are defined for Patients.

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

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

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>NAME</th>
<th>GLOBAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>409.045.01</td>
<td>PATIENT</td>
<td>0;1 POINTER TO PATIENT FILE (#2)</td>
</tr>
</tbody>
</table>

(Required)

**LAST EDITED:** AUG 20, 2014

**HELP-PROMPT:** Select a patient

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

**CROSS-REFERENCE:**
1) $SDEC(409.845,"B","SE(X,1,30),DA=""
2) $K"SDEC(409.845."B","SE(X,1,30),DA"

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>NAME</th>
<th>GLOBAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>409.845.1</td>
<td>PREFERENCES</td>
<td>1;0 SET Multiple #409.8451</td>
</tr>
</tbody>
</table>

**LAST EDITED:** AUG 20, 2014

**DESCRIPTION:** Multiple patient preferences are defined here for a specific patient.

**Figure 90: Table File (cont.)**
409.8451,.01 PREFERENCE 0:1 SET (Required) (Multiply asked)

'-G' FOR GENDER SPECIFIC PROVIDER;
'$H$' FOR HEARING IMPAIRED;
'$L$' FOR LANGUAGE PREFERENCE;
'$N$' FOR NEEDS ESCORT;
'$O$' FOR ON STRETCHER;
'$S$' FOR SPECIAL MODE OF TRANSPORTATION;
'$M$' FOR MORNING;
'$A$' FOR AFTERNOON;
'$ Mon$' FOR MONDAY;
'$Tue$' FOR TUESDAY;
'$Wed$' FOR WEDNESDAY;
'$Thu$' FOR THURSDAY;
'$Fri$' FOR FRIDAY;

LAST EDITED: NOV 10, 2014
HELP-PROMPT: Select a preference
DESCRIPTION: The specific preference being defined for this patient.

CROSS-REFERENCE: 409.8451^B  
1) s "sdec(409.845,DA(1),1,"B",SE(x,1,30),DA)=
   "...
2) k "sdec(409.845,DA(1),1,"B",SE(x,1,30),DA)

409.8451,2 DATE/TIME ADDED 0:2 DATE

INPUT TRANSFORM:S %DT="Ftx" 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 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.

Figure 91: Table File (cont.)
INACTIVE 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.

INACTIVATED BY USER

LAST EDITED: AUG 29, 2014
HELP-PROMPT: Select the user who inactivated this preference.
DESCRIPTION: User that inactivated this preference.

REMARKS

1:0 WORD-PROCESSING #409.04510
(IGNORE "I")

DESCRIPTION: This field contains additional remarks and details for this preference.

FILES POINTED TO

NEW PERSON (#200) PREFERENCES:ADDED BY USER (#3)
INACTIVATED BY USER (#5)
PATIENT (#2) PATIENT (#.01)

INPUT TEMPLATE(S):
PRINT TEMPLATE(S):
SORT TEMPLATE(S):

Figure 92: Table File (cont.)
This file contains the SDEC Appt Request entries for the Appointment Scheduling application. Each entry represents a unique appointment request.

**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)

**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:** 409.85A8
1) 5 ASDSEC(409.85,"B","E(X,1,30),DA=""
2) K ASDSEC(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 NW 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

Figure 93: Table File (cont.)
CREATE DATE: 0;2 DATE

INPUT TRANSFORM: $ "\neq" D $ Y \neq X K:Y<0 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 (#1352)

INSTITUTION: 0;3 POINTER TO INSTITUTION FILE (#4)
(Required)

INPUT TRANSFORM: $ \text{DIC}("S") = \"I \$P(\wedge(O),U,11) = \"N\"", \$TF\text{XUA4}(+Y \)") D \text{\text{ADIC K DIC S DIC=DIE, X=EY 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: $ \text{DIC}("S") = \"I \$P(\wedge(O),U,11) = \"N\"", \$TF\text{XUA4}(+Y \)">

EXPLANATION: Only allow a National/Medical Institution.
CROSS-REFERENCE: 409.85AC
1) = $ \text{ASDEC}(409.85, \"C", \$E(X,1,30), \text{DA}=\"
2) = K \text{ASDEC}(409.85, \"C", \$E(X,1,30), \text{DA})
This xref is used to speed up the lookup of Appointment Requests by INSTITUTION.

REQUEST TYPE: 0;5 SET (Required)

\'APPT\' FOR APPOINTMENT;
\'MOBILE\' FOR MOBILE;
\'W2VA\' FOR WELCOME TO VA;

LAST EDITED: DEC 01, 2015
HELP-PROMPT: Select an appointment request type
DESCRIPTION: This field represents the type of appointment request that being requested.

Figure 94: Table File (cont.)
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 ASC MUMPS
    1)= I $D(X) $ASCDEC(409.85,"SC",$P($ASC(X,0),U,1)
        ,DA="""

    2)= K $ASCDEC(409.85,"SC",$P($ASC(X,0),U,1),DA)
        Sort and Lookup Appointment Request by Clinic
        name.

CROSS-REFERENCE: 409.85 SCC MUMPS
    1)= I $D(X) $ASCDEC(409.85,"SCC",$P($ASCDEC(409.85
        ,DA,0),U,1),X,DA="""

    2)= K $ASCDEC(409.85,"SCC",$P($ASCDEC(409.85,DA,0),
        U,1),X,DA)
        Sort/lookup Appointment Request by Specific
        Clinic.

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

INPUT TRANSFORM:  5 DIC("$")="I ($P($A(0),U,3)="""
    1)($P($P($A(0),U,3),"","","",1)>
    P($NOW\XLDFT,"","",1))) D $DIC K
    DIC S DIC=DIE,X=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:  5 DIC("$")="I ($P($A(0),U,3)="""
    1)($P($P($A(0),U,3),"","","",1)>
    P($NOW\XLDFT,"","",1)))

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

Figure 95: Table File (cont.)
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 (#1353)

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 (#1353)

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.

409.85,10.5 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: APR 18, 2015
HELP-PROMPT: Select an enrollment priority.
DESCRIPTION: The ENROLLMENT PRIORITY field represents the appointment Enrollment Priority.

409.85,11 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

Figure 96: Table File (cont.)
409.85,12 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).

Figure 97: Table File (cont.)
409.85,13.4 APPT STOP CODE  SDAPT;4 POINTER TO CLINIC STOP FILE (#40.7)

LAST EDITED: APR 18, 2015
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
that 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)

LAST EDITED: APR 18, 2015
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<3) X
LAST EDITED: APR 18, 2015
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)

LAST EDITED: APR 18, 2015
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.

Figure 98: Table File (cont.)
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;

LAST EDITED: APR 18, 2015
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=1))"IN.N" X
LAST EDITED: APR 18, 2015
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;

LAST EDITED: APR 18, 2015
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.

409.85,19 DATE DISPOSITIONED DIS;1 DATE

INPUT TRANSFORM: S NOT="EX" D NOT 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.

Figure 99: Table File (cont.)
**DISPOSITION**  DIS; 3 SET

'D' FOR DEATH;
'NC' FOR REMOVED/NDN-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.

**CID/PREFERRED DATE OF APPT 0;16 DATE (Required)**

**INPUT TRANSFORM:**  $ %DT="EX"$ $\n%DT$ 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.

**CURRENT STATUS**  0;17 SET

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

**LAST EDITED:** JUN 25, 2015
**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.

**RECORD INDEXES:**  E (#1352)

**COMMENTS**  0;18 FREE TEXT (audited)

**INPUT TRANSFORM:**  K;ILI(X)>80!($I(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

Figure 100: Table File (cont.)
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.

MULT APPT RTC INTERVAL 3;2 NUMBER

INPUT TRANSFORM: K::=X!(X-365)!X(X<0)!X?(E1."IN.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.

MULT APPT NUMBER 3;3 NUMBER

INPUT TRANSFORM: K::=X!(X-100)!X(X<0)!X?(E1."IN.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.

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.

Figure 101: Table File (cont.)
Figure 102: Table File (cont.)
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\a
1) = S "SDEC(409.85,DA(1),4,"B","S(X,1,30),DA)="

2) = K "SDEC(409.85,DA(1),4,"B","S(X,1,30),DA)

RECORD INDEXES: AD (#1357) (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 (#1357) (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

Figure 103: Table File (cont.)
409.8544,4 PATIENT PHONE 0;4 FREE TEXT

INPUT TRANSFORM: K:$l(x)>201($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 XDT="ETXR" D XDT S 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: 409.8545A8
1) S A$DEC(409.85,DA(1),6,"B"$,E(X,1,30),DA)="
2) K A$DEC(409.85,DA(1),6,"B"$,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.

Figure 104: Table File (cont.)
FILES POINTED TO

APPOINTMENT TYPE (#409.1) REQ APPOINTMENT TYPE (#8.7)
CLINIC STOP (#40.7) REQ SERVICE/SPECIALTY (#8.5)
APPT STOP CODE (#13.4) APPT CREDIT STOP CODE (#13.5)
VS AUDIT:REQ SERVICE/SPECIALTY (#3)

HOSPITAL LOCATION (#44) REQ SPECIFIC CLINIC (#8)
APPT CLINIC (#13.2) VS AUDIT:REQ SPECIFIC CLINIC (#2)

INSTITUTION (#4) INSTITUTION (#2)
APPT INSTITUTION (#13.3)

NEW PERSON (#200) ORIGINATING USER (#9)
PROVIDER (#12) APPT CLERK (#13.7)
DISPOSITIONED BY (#20) PATIENT CONTACT:ENTERED BY USER (#2)
VS AUDIT:EDITED BY (#1)

PATIENT (#2) PATIENT (#.01)

SDEC APPOINTMENT (#409.84) MULT APPTS MADE:MULT APPTS MADE (#.02)

SDEC APPT REQUEST (#409.85) PARENT REQUEST (#43.8)
MULT APPTS MADE:CHILD REQUEST (#.01)

File #409.85

Record 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 &$DEC(409.85,"AC","X(1),X(2),DA=""
Kill Logic: K &$DEC(409.85,"AC","X(1),X(2),DA=""
Whole Kill: K &$DEC(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 &$DEC(409.85,"E","X(1),X(2),DA=""
Kill Logic: K &$DEC(409.85,"E","X(1),X(2),DA=""
Whole Kill: K &$DEC(409.85,"E")
  X(1): CURRENT STATUS (409.85,23) (Subscr 1) (forwards)
  X(2): CREATE DATE (409.85,1) (Subscr 2) (forwards)

Figure 105: Table File (cont.)
Subfile #409.8544

Record 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 ASDEC(409.85,"AD",X(1),X(2),DA(1),DA)=""

**Kill Logic:** K ASDEC(409.85,"AD",X(1),X(2),DA(1),DA)

**Whole Kill:** K ASDEC(409.85,"AD")

X(1): DATE ENTERED (409.8544,.01) (Subscr 1) (Forwards)

X(2): ENTERED BY USER (409.8544,2) (Subscr 2) (Forwards)

**INPUT TEMPLATE(S):**

**PRINT TEMPLATE(S):**

**SORT TEMPLATE(S):**

**FORM(S)/BLOCK(S):**

Figure 106: Table File (cont.)
2.8. **Internal Relations**
There are no documented internal relations in VistA Scheduling GUI.

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

2.10. **Published Entry Points**
No published entry points exist in VistA Scheduling GUI.

2.11. **Exported Option**

Table 4: Exported Option and Description

<table>
<thead>
<tr>
<th>Option Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS Dashboard Data Compile</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 1:00 am to ensure data is collected each day.</td>
</tr>
<tr>
<td>Add/Edit CS Resource Management Stop Codes</td>
<td>This option allows Clinical Scheduling Administrators to activate or inactivate Clinic Stop Codes related to the Report Types displayed in the Clinical Scheduling Resource Management report.</td>
</tr>
<tr>
<td>View CS Resource Management 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</td>
<td>This option displays the Clinic Stop Codes configured for the Clinical Scheduling Resource Management Report.</td>
</tr>
<tr>
<td>CLINICAL SCHEDULING PROCEDURE CALLS</td>
<td>This option hosts Remote Procedure Calls (RPC) in the SDEC namespace. CLINICAL SCHEDULING users must have access to this option in order to use CLINICAL SCHEDULING.</td>
</tr>
<tr>
<td>Refresh SDEC Index global</td>
<td>This option prepares the ^XTMP(&quot;SDEC&quot;,&quot;IDX&quot; global and should be scheduled to run daily at 2am.</td>
</tr>
<tr>
<td>SDEC INITIAL CLEANUP UTILITY</td>
<td>This utility will allow the VistA user to run a cleanup utility of SDEC APPT REQUEST entries that are erroneously in an Open current status that are associated with a Cancellation in the corresponding SDEC APPOINTMENT entry. These entries can be Committed to a Closed status.</td>
</tr>
</tbody>
</table>
SDEC REQ REOPENED BY SDCANCEL

Provides a report for requests that have been reopened by SDCANCEL listed by Clinics. Information listed is Patient name, Patient SSN, Patient Telephone Number, and APPT CID/Preferred Date.

2.12. Parameter Definitions

Table 5: Parameter Definitions

<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 Definition identifies Stop Codes related to the Mental Health report type for the Resource Management Reporting.</td>
</tr>
<tr>
<td>SDEC PRIMARY CARE STOP CODES</td>
<td>This Parameter Definition identifies Stop Codes related to the Primary Care report type for the Resource Management Reporting.</td>
</tr>
<tr>
<td>SDEC SPECIALTY CARE STOP CODES</td>
<td>This Parameter Definition identifies Stop Codes related to the Specialty Care report type for the Resource Management Reporting.</td>
</tr>
<tr>
<td>SDEC DEFAULT FONT SIZE</td>
<td>This saves the preferred default font size for the VistA Scheduling letters.</td>
</tr>
<tr>
<td>SDEC REQ MGR GRID FILTER</td>
<td>Parameter to hold the filter preference set for the Request Manager Grid.</td>
</tr>
</tbody>
</table>

2.13. Security Keys

Table 6: 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>SDECMGR</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>Authorized to overbook in the clinic to maximum allowed, as defined in clinic set up.</td>
</tr>
<tr>
<td>Key Name</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SDMOB</td>
<td>Authorized to overbook in the clinic over the maximum allowed, as defined in clinic set up.</td>
</tr>
<tr>
<td>SDWL MENU</td>
<td>If 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>

### 2.14. Archiving and Purging

There is no archiving and purging in this module.
3. Resource Management Reporting Implementation

This functionality is DISABLED with GUI v2.0.0.8. Information is retained here for possible 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.

3.1. 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)

3.2. Application Files

SDEC_VSE_ReportConsole.jar: this 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: This file 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: This 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: This 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: This 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: This 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**: This file 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 re-launched. 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.

### 3.3. Resource Management Reporting Java Application Build Process

This functionality was disabled per the VSE Additional Enhancements Modifications – Epic 13.6, making the remainder of this section N/A.

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.
3.4. Data Flow Diagram

Figure 107: VistA Scheduling GUI Data Flow Diagram

3.5. 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">
```

VistA Scheduling Enhancements (VSE) Technical Manual 100 January 2017
3.6. Resource Management Reporting Application Functions

3.6.1. 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**: 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**: 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**: This 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**: This 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**: This 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**: This 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:
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.

**Figure 108: VistA Scheduling GUI Report Console**

**Figure 109: Save/Export/Print Features**
3.6.2. 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 7: Java Class Name and Purpose

<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>
<tr>
<td>Utilities.class</td>
<td>This is another utility method which stores all required utility methods.</td>
</tr>
</tbody>
</table>
### Class Name

<table>
<thead>
<tr>
<th>Class Name</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<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>

#### 3.6.3. 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:

![Report Viewer Functionality](image)

**Figure 111: Report Viewer Functionality**

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.
3.6.4. 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.

3.6.4.1. 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.
3.6.4.2. 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 files 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 113: 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.
3.6.4.3. 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)
4. Generating Online Documentation

This section describes a few methods to generate VistA Scheduling GUI system technical documentation. VistA Scheduling GUI software technical documentation, in addition to that which is located in the Help prompts throughout the VistA Scheduling GUI module, can be generated through the use of several Kernel options. These 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

### Table 8: Terms and Definitions

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archiving</td>
<td>The storing of historical or little used data off-line (often on tape)</td>
</tr>
<tr>
<td>Banner</td>
<td>A line of text with a user’s name and domain</td>
</tr>
<tr>
<td>Browser</td>
<td>An interactive application that displays ASCII text on a terminal that supports a scroll region. The text can be in the form of a word-processing field or sequential local or global array. 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>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>Default Facility</td>
<td>A user selects a facility identification to work with patients registered to that facility</td>
</tr>
<tr>
<td>DHCP</td>
<td>Dynamic Host Configuration Protocol. A standardized network protocol used on Internet Protocol (IP) networks for dynamically distributing network configuration parameters, such as IP addresses for interfaces and services.</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>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>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>HHS</td>
<td>Health and Human Services</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 ANSI MUMPS standards and VistA programming standards. This tool can be invoked through an option or from direct mode (&gt;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). Init is a shortened form of initialization.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Internal Entry Number (IEN)</td>
<td>The number used to identify an entry within a file. Every record has a unique Internal Entry Number.</td>
</tr>
<tr>
<td>Information Resource Management (IRM)</td>
<td>VA personnel responsible for Information Systems Management and security</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. The 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 &amp; 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-type 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>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>Queuing</td>
<td>Requesting that a job be processed at a later time rather than within the current session</td>
</tr>
<tr>
<td>PIMS</td>
<td>Patient Information Management System</td>
</tr>
<tr>
<td>Remote Procedure Call (RPC)</td>
<td>An RPC is 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>RPC</td>
<td>Remote Procedure Calls</td>
</tr>
<tr>
<td>User Class Identification (UCI)</td>
<td>A computing area</td>
</tr>
<tr>
<td>SAC</td>
<td>Standards and Conventions</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>Term</td>
<td>Definition</td>
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<tr>
<td>------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</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 3 types of variables: local variables,</td>
</tr>
<tr>
<td></td>
<td>global variables and special variables. Local variables exist in a partition of the main memory and disappear at sign-off. A global variable</td>
</tr>
<tr>
<td></td>
<td>is stored on disk, potentially available to any user. Global variables 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>
</tbody>
</table>