RESOURCE AND PATIENT MANAGEMENT SYSTEM

Clinical Scheduling for Windows

(BSDX)

Technical Manual

Version 3.0
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Preface

The purpose of this manual is to provide technical information about the Clinical Scheduling for Windows (BSDX) package. The BSDX package has the following features:

- MS Windows user interface
- Graphical patient, clinic and resource scheduling.
- Tightly linked to the Resource and Patient Management System (RPMS) patient and clinic data
- Graphical resource and clinic availability scheduling
- Printing and WYSIWYG Print Preview of clinic schedules
- Graphical patient check-in linked to RPMS check-in
- Reschedule and manipulate appointments using standard Windows cut/paste or drag/drop metaphors
- Schedule multiple appointments during a time block
- Store and retrieve clinic availability patterns
- View schedules for multiple clinics simultaneously

Security

The BSDX uses security keys to limit user's ability to change system set-up parameters and patient information. In other words, not all BSDX options are available to all users. Contact your site administrator to determine or change your security keys.

Rules of Behavior

All RPMS users are required to observe the Department of Health and Human Services and Indian Health Service (IHS) Rules of Behavior regarding patient privacy and the security of both patient information and IHS computers and networks.

Table of Contents

1.0 Introduction

This manual provides Indian Health Service (IHS) site managers with a technical description of the BSDX routines, files, menus, cross references, globals, and other necessary information required to effectively manage the system.

All routines, files, options, and keys are namespaced starting with the letters BSDX. The file number range for this package is 9002018–9002018.99.

This application provides appointment management functions included in Patient Information Management System (PIMS) Scheduling, with the added convenience and usability of a Graphical User Interface (GUI).

This system works in conjunction with PIMS Scheduling. It provides the tools to send patient information to the Electronic Health Record (EHR) application and automates many tasks providing faster more efficient and accurate patient appointment scheduling.

2.0 Orientation

The BSDX package has no Resource and Patient Management System (RPMS) server menu options. The RPMS server preparation specifically needed to run BSDX is to install the Kernel Installation and Distribution System (KIDS) package and assign appropriate the BSDXZ keys to users. Refer to the *Clinical Scheduling for Windows (BSDX) Installation Guide and Release Notes* for details on server and client installation and configuration.

Interaction of BSDX with the RPMS system is accomplished entirely via the use of Remote Procedure Calls (RPCs). All RPCs in this package begin with the letters BSDX.

3.0 Implementation and Maintenance

BSDX provides a Windows interface for the PIMS scheduling software and is designed to work with existing PIMS schedules. See the Clinical Scheduling for Windows (BSDX) Installation Guide and Release Notes for detailed information on how to link Windows schedules with existing RPMS.

The following shows the prerequisite requirements that need to be installed for Clinical Scheduling 3.0 to function properly:

Mandatory Requirement	Description
BSDX Package	Load and install the bsdx0300.k file and use the KIDS menu options.
Clinical Scheduling 3.0 Client	Load and extract the files from bsdx0300Client.zip. Run setup.exe and follow the instructions to load the client.
BMXNet	For this feature to work, set the INTEGRATED SECURITY field of the BMXNet monitor port to Yes. See the BMXNet User and Installation manuals for details on BMXNet found directly on IHS's home site. Once the package is installed the listener must be started from programmer mode. D RESTART^BMXMON. This starts the Clinical Scheduling listener. It can also be done using the BMXNET management menu.
RPC Broker	Ensure the RPC Broker Listener is running.

3.1 Minimum System Requirements

Module	Minimum Version
Cache	Ver. 5.0
Kernel	Ver. 8.0
BMXNet	Ver. 2.0
PIMS	Ver. 5.3 patch 1003
RPC Broker	Ver. 1.1

3.2 Package-Wide Variables

There are no package-wide BSDX variables in the RPMS system.

4.0 Menu Diagram

There are no RPMS menus in the BSDX system. Client menus are discussed in detail in the *Clinical Scheduling for Windows (BSDX) User Guide*.

5.0 Routines

5.1 Routines and Descriptions Table

Routine	Description
BSDX01	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX02	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX03	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX04	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX05	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX06	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX07	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX08	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX09	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX11	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX12	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX13	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX14	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX15	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX16	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX17	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX18	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX19	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX20	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX21	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX22	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX23	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX24	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX25	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX26	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX27	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX28	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX29	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX2E	ENVIRONMENT CHECK FOR WINDOWS SCHEDULING
BSDX30	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX31	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS

Routine	Description
BSDX32	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX33	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX34	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX35	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX36	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX37	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX38	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX39	IHS/OIT/HMW–WINDOWS SCHEDULING RPCS
BSDX3E	ENVIRONMENT CHECK FOR WINDOWS SCHEDULING
BSDX40	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41A	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41B	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41C	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41D	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41E	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41F	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41G	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41H	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41I	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41J	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41K	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41L	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41M	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX41N	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX42	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX43	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDX44	IHS/MSC/SAT–WINDOWS SCHEDULING RPCS
BSDXERR	IHS/MSC/SAT–WINDOWS SCHEDULING COMMON ERROR

6.0 Files and Tables

6.1 File List

6.1.1 File Numbers and Names

File Number	File Name
9002018.3	BSDX ACCESS BLOCK
9002018.38	BSDX ACCESS GROUP
9002018.39	BSDX ACCESS GROUP TYPE
9002018.35	BSDX ACCESS TYPE
9002018.5	BSDX APPLICATION
9002018.4	BSDX APPOINTMENT
9002018.1	BSDX RESOURCE
9002018.2	BSDX RESOURCE GROUP
9002018.15	BSDX RESOURCE USER

6.2 File Access

6.2.1 File Access Table

File Number	GL	RD	WR	LYG	DD	DEL
9002018.3	^BSDXAB(	@	@	@	@	@
9002018.38	^BSDXAGP(	@	@	@	@	@
9002018.39	^BSDXAGTP(	@	@	@	@	@
9002018.35	^BSDXTYPE(	@	@	@	@	@
9002018.5	^BSDXAPPL(	@	@	@	@	@
9002018.4	^BSDXAPPT(	@	@	@	@	@
9002018.1	^BSDXRES(	@	@	@	@	@
9002018.2	^BSDXDEPT(	@	@	@	@	@
9002018.15	^BSDXRSU(	@	@	@	@	@

6.3 BSDX Cross References

```
FILE: BSDX RESOURCE
GLOBAL: ^BSDXRES(
```

```
FILE #: 9002018.1
FIELD #  FIELD NAME                SUBSCRIPT                    PIECE  TYPE
=============================================================================
.01      NAME                      D0,0                           1   F
X: B
1) S ^BSDXRES("B",$E(X,1,30),DA)=""
.02      INACTIVE                  "                              2   S
S: 1:YES;0:NO;
.03      TIME SCALE                "                              3   S
S: 5:5;10:10;15:15;20:20;30:30;60:60;
.04      HOSPITAL LOCATION         "                              4   P
P: HOSPITAL LOCATION
X: ALOC
1) S ^BSDXRES("ALOC",$E(X,1,30),DA)=""
1     LETTER TEXT (9002018.11)
.01      LETTER TEXT         D0,1,D1,0                      1   W
1201  NO SHOW LETTER (9002018.11201)
.01      NO SHOW LETTER            D0,12,D1,0                     1   W
1301  CLINIC CANCELLATION LETTER (9002018.11301)
.01      CLINIC CANCELLATION LETTER D0,13,D1,0 1 W
2001  ASSOCIATED RPMS CLINICS (9002018.12001)
.01 ASSOCIATED RPMS CLINICS      D0,20,D1,0                        1   P
P: HOSPITAL LOCATION
X: B
1) S ^BSDXRES(DA(1),20,"B",$E(X,1,30),DA)=""
X: ASSOC
1) S ^BSDXRES("ASSOC",$E(X,1,30),DA(1),DA)=""
FILE: BSDX RESOURCE USER
GLOBAL: ^BSDXRSU(
FILE #: 9002018.15
FIELD #  FIELD NAME                SUBSCRIPT                    PIECE TYPE
=============================================================================
.01      RESOURCENAME              D0,0                         1     P
P: BSDX RESOURCE
X: B
1) S ^BSDXRSU("B",$E(X,1,30),DA)=""
.02          USERNAME                  "                            2     P
P: NEW PERSON
X: AC
1) S ^BSDXRSU("AC",$E(X,1,30),DA)=""
.03          OVERBOOK                  "                            3     S
S: 1:YES;0:NO;
.04          MODIFY SCHEDULE           "                            4     S
S: 1:YES;0:NO;
.05          MODIFY APPOINTMENTS       "                            5     S
S: 1:YES;0:NO;
FILE: BSDX RESOURCE GROUP
GLOBAL: ^BSDXDEPT(
FILE #: 9002018.2
FIELD #  FIELD NAME                SUBSCRIPT                    PIECE  TYPE
=============================================================================
.01          NAME                      D0,0                         1     F
X: B
1) S ^BSDXDEPT("B",$E(X,1,30),DA)=""
.02          INACTIVATION DATE         "                            2     D
1 RESOURCE (9002018.21)
.01 RESOURCE D0,1,D1,0 1 P
P: BSDX RESOURCE
X: B
1) S ^BSDXDEPT(DA(1),1,"B",$E(X,1,30),DA)=""
X: AB
1) S ^BSDXDEPT("AB",$E(X,1,30),DA(1),DA)=""
FILE: BSDX ACCESS BLOCK
GLOBAL: ^BSDXAB(
FILE #: 9002018.3
```

```
FIELD #   FIELD NAME                 SUBSCRIPT                   PIECE  TYPE
===========================================================================
.01          RESOURCE                   D0,0                        1      P
P: BSDX RESOURCE
X: B
1) S ^BSDXAB("B",$E(X,1,30),DA)=""
.02          STARTTIME                  "                           2      D
X: ARSCT^MUMPS
1) D XR4S^BSDX03(DA)
2) D XR4K^BSDX03(DA)
.03          ENDTIME                    "                           3      D
.04          SLOTS                      "                           4      N
.05          ACCESS TYPE                "                           5      P
P: BSDX ACCESS TYPE
1        NOTE (9002018.31)
.01 NOTE D0,1,D1,0 1 W
FILE: BSDX ACCESS TYPE
GLOBAL: ^BSDXTYPE(
FILE #: 9002018.35
FIELD #   FIELD NAME              SUBSCRIPT                      PIECE  TYPE
===========================================================================
.01          ACCESS TYPE NAME       D0,0                            1      F
X: B
1) S ^BSDXTYPE("B",$E(X,1,30),DA)=""
.02          INACTIVE               "                               2      S
S: 1:YES;0:NO;
.03          DEPARTMENT NAME        "                               3      P
P: BSDX RESOURCE GROUP
.04          DISPLAY COLOR          "                               4      F
.05          RED                    "                               5      N
.06          GREEN                  "                               6      N
.07          BLUE                   "                               7      N
FILE: BSDX ACCESS GROUP
GLOBAL: ^BSDXAGP(
FILE #: 9002018.38
FIELD #   FIELD NAME              SUBSCRIPT                      PIECE  TYPE
===========================================================================
.01          ACCESS GROUP           D0,0                            1      F
X: B
1) S ^BSDXAGP("B",$E(X,1,30),DA)=""
FILE: BSDX ACCESS GROUP TYPE
GLOBAL: ^BSDXAGTP(
FILE #: 9002018.39
FIELD #   FIELD NAME              SUBSCRIPT                      PIECE  TYPE
===========================================================================
.01          ACCESS GROUP           D0,0                            1      P
P: BSDX ACCESS GROUP
X: B
1) S ^BSDXAGTP("B",$E(X,1,30),DA)=""
.02          ACCESS TYPE            "                               2      P
P: BSDX ACCESS TYPE
FILE: BSDX APPOINTMENT
GLOBAL: ^BSDXAPPT(
FILE #: 9002018.4
FIELD #   FIELD NAME              SUBSCRIPT                      PIECE  TYPE
===========================================================================
.01          STARTTIME              D0,0                            1      D
X: B
1) S ^BSDXAPPT("B",$E(X,1,30),DA)=""
.02          ENDTIME                "                               2      D
.03          CHECKIN                "                               3      D
.04          AUXTIME                "                               4      D
.05          PATIENT                "                               5      P
P: PATIENT
X: CPAT
```

```
1) S ^BSDXAPPT("CPAT",$E(X,1,30),DA)=""
.06          ACCESS TYPE ID          "                                  6      N
.07          RESOURCE                "                                  7      P
P: BSDX RESOURCE
X: ARSRC^MUMPS
1) D XR2S^BSDX03(DA)
2) D XR2K^BSDX03(DA)
.08          DATA ENTRY CLERK        "                                  8      P
P: NEW PERSON
.09          DATE APPT MADE          "                                  9      D
.1 NOSHOW " 10 S
S: 1:YES;0:NO;
.11          REBOOK DATETIME         "                                  11     D
.12          CANCEL DATETIME         "                                  12     D
.13          WALKIN                  "                                  13     S
S: y:YES;n:NO;
1         NOTE (9002018.41)
.01          NOTE                    D0,1,D1,0                          1      W
FILE: BSDX APPLICATION
GLOBAL: ^BSDXAPPL(
FILE #: 9002018.5
FIELD #      FIELD NAME          SUBSCRIPT                       PIECE  TYPE
=============================================================================
.01             MAJOR VERSION       D0,0                           1      F
X: B
1) S ^BSDXAPPL("B",$E(X,1,30),DA)=""
.02             MINOR VERSION       "                              2      F
.03             BUILD               "                              3      D
```

6.4 Table File

```
FILE: BSDX RESOURCE
GLOBAL: ^BSDXRES(
FILE #: 9002018.1
FIELD #      FIELD NAME          SUBSCRIPT                       PIECE  TYPE
=============================================================================
.01             NAME                D0,0                           1      F
.02             INACTIVE            "                              2      S
.03             TIME SCALE=         "                              3      S
.04             HOSPITAL LOCATION   "                              4      P
1         LETTER TEXT (9002018.11)
.01          LETTER TEXT            D0,1,D1,0                      1      W
1201 NO SHOW LETTER (9002018.11201)
.01          NO SHOW LETTER         D0,12,D1,0                     1      W
1301 CLINIC CANCELLATION LETTER (9002018.11301)
.01          CLINIC CANCELLATION LETTER    D0,13,D1,0               1      W
2001 ASSOCIATED RPMS CLINICS (9002018.12001)
.01          ASSOCIATED RPMS CLINICS    D0,20,D1,0                  1      P
FILE: BSDX RESOURCE USER
GLOBAL: ^BSDXRSU(
FILE #: 9002018.15
FIELD #      FIELD NAME          SUBSCRIPT                       PIECE  TYPE
=============================================================================
.01             RESOURCENAME           D0,0                        1      P
.02             USERNAME               "                           2      P
.03             OVERBOOK               "                           3      S
.04             MODIFY SCHEDULE        "                           4      S
.05             MODIFY APPOINTMENTS    "                           5      S
.06          MASTEROVERBOOK          "                           6      S
FILE: BSDX RESOURCE GROUP
GLOBAL: ^BSDXDEPT(
```

```
FILE #: 9002018.2
FIELD #      FIELD NAME              SUBSCRIPT                    PIECE  TYPE
=============================================================================
.01             NAME                    D0,0                        1      F
.02             INACTIVATION DATE       "                           2      D
1 RESOURCE (9002018.21)
.01             RESOURCE                D0,1,D1,0                   1      P
FILE: BSDX ACCESS BLOCK
GLOBAL: ^BSDXAB(
FILE #: 9002018.3
FIELD #      FIELD NAME              SUBSCRIPT                    PIECE  TYPE
=============================================================================
.01             RESOURCE                D0,0                        1      P
.02             STARTTIME               "                           2      D
.03             ENDTIME                 "                           3      D
.04             SLOTS                   "                           4      N
.05             ACCESS TYPE             "                           5      P
1 NOTE (9002018.31)
.01      NOTE                           D0,1,D1,0                   1      W
FILE: BSDX ACCESS TYPE
GLOBAL: ^BSDXTYPE(
FILE #: 9002018.35
FIELD #      FIELD NAME              SUBSCRIPT                    PIECE  TYPE
=============================================================================
.01             ACCESS TYPE NAME        D0,0                        1      F
.02             INACTIVE                "                           2      S
.03             DEPARTMENT NAME         "                           3      P
.04             DISPLAY COLOR           "                           4      F
.05             RED                     "                           5      N
.06             GREEN                   "                           6      N
.07             BLUE                    "                           7      N
.08          PREVENT ACCESS          "                           8      S
FILE: BSDX ACCESS GROUP
GLOBAL: ^BSDXAGP(
FILE #: 9002018.38
FIELD #      FIELD NAME              SUBSCRIPT                    PIECE  TYPE
=============================================================================
.01             ACCESS GROUP            D0,0                        1      F
FILE: BSDX ACCESS GROUP TYPE
GLOBAL: ^BSDXAGTP(
FILE #: 9002018.39
FIELD #      FIELD NAME              SUBSCRIPT                    PIECE  TYPE
=============================================================================
.01             ACCESS GROUP            D0,0                        1      P
.02             ACCESS TYPE             "                           2      P
FILE: BSDX APPOINTMENT
GLOBAL: ^BSDXAPPT(
FILE #: 9002018.4
FIELD #         FIELD NAME          SUBSCRIPT                    PIECE  TYPE
=============================================================================
.01                STARTTIME            D0,0                        1      D
.02                ENDTIME              "                           2      D
.03                CHECKIN              "                           3      D
.04                AUXTIME              "                           4      D
.05                PATIENT              "                           5      P
.06                ACCESS TYPE ID       "                           6      N
.07                RESOURCE             "                           7      P
.08                DATA ENTRY CLERK     "                           8      P
.09                DATE APPT MADE       "                           9      D
.1              NOSHOW               "                           10     S
.11                REBOOK DATETIME      "                           11     D
.12                CANCEL DATETIME      "                           12     D
.13                WALKIN               "                           13     S
.14             CHECKOUT             "                           14     D
.15             V PROVIDER IEN       "                           15     P
```

```
.16              PROVIDER            "                          16     P
.17              STATUS              "                          17     S
.18              LENGTH OF APPT      "                          18     N
.19              PREV APPT STATUS    "                          19     S
1               NOTE   (9002018.41)
.01                 NOTE                D0,1,D1,0                 1      W
FILE: BSDX APPLICATION
GLOBAL: ^BSDXAPPL(
FILE #: 9002018.5
FIELD #         FIELD NAME          SUBSCRIPT                   PIECE  TYPE
================================================================================
.01                 MAJOR VERSION       D0,0                      1      F
.02                 MINOR VERSION       "                         2      F
.03                 BUILD               "                         3      D

================================================================================
Enter RETURN to continue or '^' to exit:
```

7.0 Internal Relations

All routines, files, options, and keys are namespaced starting with the letters BSDX. All files in the 9002018–9002018.99 must be present for the software to run correctly.

8.0 External Relations

No special integration agreements exist between BSDX and any other package.

8.1 Published Entry Points

No published entry points exist in BSDX.

8.2 Exported Options

8.2.1 Exported File Numbers and Names

Option Name	Description
BSDXRPC	This option hosts RPCs in the BSDX namespace. Windows Scheduling users must have access to this option to use Windows Scheduling.
BMXRPC	This secondary menu key enables menu options to scheduling users.

9.0 Security Keys

9.1 Exported File Numbers and Names

Key Name	Description
BSDXZMENU	All Windows Scheduling users must have this key to access the application.
BSDXZMGR	This key should be assigned to users who manage the overall Scheduling application. This key gives access to the Scheduling Management menu option in the client software.

10.0 Archiving and Purging

There is no archiving and purging in this package.

11.0 Generating Online Documentation

This section describes a few methods to generate Windows Scheduling system technical documentation. Online Windows Scheduling software technical documentation, in addition to that which is located in the Help prompts throughout the Windows Scheduling package, 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 DHCP Kernel Reference manual.

11.1 %INDEX

This option analyzes the structure of a routine to determine in part if the routine adheres to RPMS 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 RPMS 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).

To run %INDEX for the Patient Registration package, type the **AG** namespace at the "Routine(s)?>" prompt.

11.2 List File Attributes

This 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

For a comprehensive listing of the Scheduling GUI (BSDX) package files, refer to Section 1.0 of this manual.

12.0 SAC Requirements and Exemptions

There are no exemptions to the Standards and Conventions (SAC) standards for this version.

13.0 Callable Routines

Not Applicable

Glossary

Archiving

The storing of historical or little-used data offline (often on tape).

ASUFAC Number

Area Service Unit Facility. A unique identifier for each facility within IHS. A six-digit number comprised of two digits for Area, two digits for Service Unit, and two digits for Facility.

Banner

A line of test with a user's name and domain.

Browser

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.

Callable Entry Points

Places in a routine that can be called from an application program.

Caret (^)

A circumflex, also known as a "hat," or "up-hat," that is used as a piece delimiter in a global. The caret is denoted as "^" and is typed by pressing Shift-6.

Cross-Reference

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.

Default Facility

A user selects a facility identification to work with patients registered to that facility.

Entry Point

Entry point within a routine that is referenced by a "DO" or "GOTO" command from a routine internal to a package.

File

A set of related records or entries treated as a single unit.

FileMan

The database management system for RPMS.

Global

In MUMPS, global refers to a variable stored on disk (global variable) or the array to which the global variable may belong (global array).

Health Record Number (HRN)

Each facility assigns a unique number within that facility to each patient. Each HRN with its facility identification ASUFAC make a unique identifier within all of IHS.

INDEX (%INDEX)

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 RPMS programming standards. This tool can be invoked through an option or from direct mode (>D^%INDEX).

Init

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.

Internal Entry Number (IEN)

The number used to identify an entry within a file. Every record has a unique internal entry number.

Information Resource Management (IRM)

The IHS personnel responsible for information systems management and security.

Kernel

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 RPMS.

Menu

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).

Namespace

A unique set of 2 to 4 alpha characters that are assigned by the database administrator to a software application.

Official Registering Facility

A facility designated so when HRNs are added/modified, those changes are sent to the central database. A Service Unit may have several satellites for which it is registering patients.

Option

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, noninteractively, by TaskMan.

Patient Care Component (PCC)

The central repository for data in the Resource and Patient Management System (RPMS).

Queuing

Requesting that a job be processed at a later time rather than within the current session.

Remote Procedure Call (RPC)

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.

Routine

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.

User Class Identification (UCI)

A computing area.

Utility

A callable routine line tag or function. A universal routine usable by anyone.

Variable

A character or group of characters that refers to a value. MUMPS recognizes three types of variables: local variables, global variables, and special variables. Local variables exist in a partition of the main memory and disappear at sign-off. A global variable is stored on disk, potentially available to any user. Global variables usually exist as parts of global arrays.

Contact Information

If you have any questions or comments regarding this distribution, contact the OIT User Support (IHS) by:

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