



RESOURCE AND PATIENT MANAGEMENT SYSTEM

# **Controlled Drug Export System**

## **(BPDM)**

### **Technical Manual**

Version 2.0  
August 2012

Office of Information Technology (OIT)  
Division of Information Resource Management  
Albuquerque, New Mexico

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## Preface

The Controlled Drug Export System is used to identify prescriptions for controlled drugs and other specified drugs dispensed at Indian Health Service (IHS) and tribal health care facilities, and create an export file for transmission to state Prescription Drug Monitoring Programs (PDMP). Data is extracted from the Resource and Patient Management System (RPMS) Outpatient Pharmacy Application, in operation at the local facilities. This software creates the export file and saves it in a secure directory as defined by facility's RPMS Site Manager or other IT management personnel. It is the responsibility of local pharmacy staff or other designated individual to transmit the export file to the PDMP in a timely manner consistent with HIPAA and IHS requirements.

This version of the software accommodates exports in the ASAP Version 4.1 Standard, ASAP Version 4.0 Standard, APAP Version 3.0 Standard and the ASAP 1995 Standard which are owned and distributed by the American Society of Automation in Pharmacy.

This manual contains the technical manual for the Controlled Drug Export System (BPDM) Version 2.0.

## 1.0 Introduction

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

All routines, globals, options, and keys have a namespace starting with the letters “BPDM.” All FileMan files begin with PDM.

The file number range for this package is 9002315.

## 2.0 Implementation and Maintenance

The Controlled Drug Export System occupies the BPDM namespace. Options, security locks/keys, templates, routines, and globals have the namespace BPDM.

### 2.1 System Requirements

Facilities must be using the IHS Pharmacy System.

### 2.2 Security Keys

Key Name	Description
BPDMZMENU	This key unlocks the main CONTROLLED DRUG EXPORT SYSTEM menu. It should be assigned to all users who need to manage the exporting of controlled substances to the state.

### 3.0 Routine Descriptions

The following table lists BPDM routines and their descriptions:

<b>Routine</b>	<b>Description</b>
BPDMBAN	IHS/CMI/LAB - Banner routine for PDM
BPDMBDEA	IHS/CMI/LAB - Find providers w potentially bad DEA ;
BPDMCDEA	IHS/CMI/LAB - Find providers w/o DEA
BPDMCHK	IHS/CMI/LAB - Export initialization
BPDMdle	IHS/CMI/LAB - List prescriptions exported AUGUST 14, 1992
BPDMdLOG	IHS/CMI/LAB - DISPLAY DW EXPORT LOG DATA AUGUST 14, 1992
BPDMDR	IHS/CMI/LAB - MAIN DRIVER FOR PDM REPORT
BPDMDR1	IHS/CMI/LAB - MAIN DRIVER FOR PDM REPORT
BPDMDR2	IHS/CMI/LAB - MAIN DRIVER FOR PDM REPORT
BPDMDR3	IHS/CMI/LAB - MAIN DRIVER FOR PDM REPORT
BPDMDRc	IHS/CMI/LAB - MAIN DRIVER FOR PDM REPORT
BPDMEXHX	IHS/CMI/LAB - EXPORT HX FOR 1 PRESCRIPTION
BPDMENV	IHS/CMI/LAB - environment check
BPDMRDR	IHS/CMI/LAB - MAIN DRIVER FOR PDM REPORT
BPDMRDR2	IHS/CMI/LAB - Export initialization
BPDMREDO	IHS/CMI/LAB - MAIN DRIVER FOR PDM RE-EXPORT REPORT
BPDMRSSP	IHS/CMI/LAB - MAIN DRIVER FOR PDM REPORT
BPDMsRE	IHS/CMI/LAB – PDM
BPDMTAX	IHS/CMI/LAB - DISPLAY IND LISTS
BPDMUS	IHS/CMI/LAB - NO DESCRIPTION PROVIDED
BPDMUTL	IHS/CMI/LAB - BHL RX Utility Routine 21 Feb 2011 2:40 PM

## 4.0 Files and Tables

### 4.1 File List

The following table provides information for files and tables.

File #	Filename	Description
9002315.01	^BPDMSITE(	PDM SITE PARAMETERS
9002315.02	^BPDMSREQ(	PDM STATE REQUIREMENTS
9002315.03	^BPDMREC(	PDM RECORD DEFINITION V4.0/V4.1
9002315.04	^BPDMVTRD(	PDM RECORD DEFINITION V3.0 (2005)
9002315.05	^BPDMCTRL(	PDM CONTROL FILE
9002315.06	^BPDMRDNF(	PDM RECORD DEFINITION 1995 STANDARD
9002315.09	^BPDMLOG(	PDM EXPORT LOG

### 4.2 File Access

File #	Filename	GL	RD	WR	LYG	DD	DEL
9002315.01	PDM SITE PARAMETERS	^BPDMSITE(	@	@	@	@	@
9002315.02	PDM STATE REQUIREMENTS	^BPDMSREQ(	@	@	@	@	@
9002315.03	PDM RECORD DEFINITION V4.0/V4.1	^BPDMREC(	@	@	@	@	@
9002315.04	PDM RECORD DEFINITION V3.0 (2005)	^BPDMVTRD	@	@	@	@	@
9002315.05	PDM CONTROL FILE	^BPDMCTRL(	@	@	@	@	@
9002315.06	PDM RECORD DEFINITION 1995 STANDARD	^BPDMRDNF(	@	@	@	@	@
9002315.09	PDM EXPORT LOG	^BPDMLOG(	@	@	@	@	@

## 4.3 Cross References

File #9002315.01

Traditional Cross-References:

B     REGULAR  
        Field:   SITE/LOCATION   (9002315.01,.01)  
               1)= S ^BPMSITE("B", \$E(X,1,30),DA)=" "  
               2)= K ^BPMSITE("B", \$E(X,1,30),DA)

File #9002315.02

Traditional Cross-References:

B     REGULAR  
        Field:   STATE       (9002315.02,.01)  
               1)= S ^BPMSREQ("B", \$E(X,1,30),DA)=" "  
               2)= K ^BPMSREQ("B", \$E(X,1,30),DA)

File #9002315.03

Traditional Cross-References:

AO    REGULAR  
        Field:   ORDER       (9002315.03,.02)  
               1)= S ^BPDMREC("AO", \$E(X,1,30),DA)=" "  
               2)= K ^BPDMREC("AO", \$E(X,1,30),DA)

B     REGULAR  
        Field:   SEGMENT   (9002315.03,.01)  
               1)= S ^BPDMREC("B", \$E(X,1,30),DA)=" "  
               2)= K ^BPDMREC("B", \$E(X,1,30),DA)

Subfile #9002315.0311

Traditional Cross-References:

AP    REGULAR  
        Field:   PIECE       (9002315.0311,.03)  
               1)= S ^BPDMREC(DA(1),11,"AP", \$E(X,1,30),DA)=" "  
               2)= K ^BPDMREC(DA(1),11,"AP", \$E(X,1,30),DA)

B     REGULAR  
        Field:   DATA ELEMENT (9002315.0311,.01)  
               1)= S ^BPDMREC(DA(1),11,"B", \$E(X,1,30),DA)=" "  
               2)= K ^BPDMREC(DA(1),11,"B", \$E(X,1,30),DA)

C     REGULAR  
        Field:   DESCRIPTION (9002315.0311,.02)  
               1)= S ^BPDMREC(DA(1),11,"C", \$E(X,1,30),DA)=" "  
               2)= K ^BPDMREC(DA(1),11,"C", \$E(X,1,30),DA)

Subfile #9002315.031112

Traditional Cross-References:



```

B      REGULAR
      Field: STATE (9002315.031112,.01)
            1)= S ^BPDMREC(DA(2),11,DA(1),12,"B",$(X,1,30),DA)=" "
            2)= K ^BPDMREC(DA(2),11,DA(1),12,"B",$(X,1,30),DA)
File #9002315.04

Traditional Cross-References:

AO      REGULAR
      Field: ORDER (9002315.04,.02)
            1)= S ^BPDMVTRD("AO",$(X,1,30),DA)=" "
            2)= K ^BPDMVTRD("AO",$(X,1,30),DA)

B      REGULAR
      Field: SEGMENT (9002315.04,.01)
            1)= S ^BPDMVTRD("B",$(X,1,30),DA)=" "
            2)= K ^BPDMVTRD("B",$(X,1,30),DA)
Subfile #9002315.0411

Traditional Cross-References:

AP      REGULAR
      Field: PIECE (9002315.0411,.03)
            1)= S ^BPDMVTRD(DA(1),11,"AP",$(X,1,30),DA)=" "
            2)= K ^BPDMVTRD(DA(1),11,"AP",$(X,1,30),DA)

B      REGULAR
      Field: DATA ELEMENT (9002315.0411,.01)
            1)= S ^BPDMVTRD(DA(1),11,"B",$(X,1,30),DA)=" "
            2)= K ^BPDMVTRD(DA(1),11,"B",$(X,1,30),DA)

C      REGULAR
      Field: DESCRIPTION (9002315.0411,.02)
            1)= S ^BPDMVTRD(DA(1),11,"C",$(X,1,30),DA)=" "
            2)= K ^BPDMVTRD(DA(1),11,"C",$(X,1,30),DA)
Subfile #9002315.041112

Traditional Cross-References:

B      REGULAR
      Field: STATE (9002315.041112,.01)
            1)= S ^BPDMVTRD(DA(2),11,DA(1),12,"B",$(X,1,30),DA)=" "
            2)= K ^BPDMVTRD(DA(2),11,DA(1),12,"B",$(X,1,30),DA)
File #9002315.05

Traditional Cross-References:

B      REGULAR
      Field: VERSION (9002315.05,.01)
            1)= S ^BPDCTRL("B",$(X,1,30),DA)=" "
            2)= K ^BPDCTRL("B",$(X,1,30),DA)
Subfile #9002315.0511

Traditional Cross-References:

AREQ    MUMPS    WHOLE FILE (#9002315.05)

```

```

Field:  REQUIRED BY ASAP  (9002315.0511,.01)
1)= S ^BPDMCTRL("AREQ", $P(^BPDMCTRL(DA(1),0),U,1),X)="
2)= K ^BPDMCTRL("AREQ", $P(^BPDMCTRL(DA(1),0),U,1),X)

B      REGULAR
Field:  REQUIRED BY ASAP  (9002315.0511,.01)
1)= S ^BPDMCTRL(DA(1),11,"B", $E(X,1,30),DA)="
2)= K ^BPDMCTRL(DA(1),11,"B", $E(X,1,30),DA)

File #9002315.06

Traditional Cross-References:

AO     REGULAR
Field:  ORDER  (9002315.06,.02)
1)= S ^BPDMRDNF("AO", $E(X,1,30),DA)="
2)= K ^BPDMRDNF("AO", $E(X,1,30),DA)

B      REGULAR
Field:  SEGMENT  (9002315.06,.01)
1)= S ^BPDMRDNF("B", $E(X,1,30),DA)="
2)= K ^BPDMRDNF("B", $E(X,1,30),DA)

Subfile #9002315.0611

Traditional Cross-References:

AP     REGULAR
Field:  BEGINNING COLUMN  (9002315.0611,.03)
1)= S ^BPDMRDNF(DA(1),11,"AP", $E(X,1,30),DA)="
2)= K ^BPDMRDNF(DA(1),11,"AP", $E(X,1,30),DA)

B      REGULAR
Field:  DATA ELEMENT  (9002315.0611,.01)
1)= S ^BPDMRDNF(DA(1),11,"B", $E(X,1,30),DA)="
2)= K ^BPDMRDNF(DA(1),11,"B", $E(X,1,30),DA)

C      REGULAR
Field:  DESCRIPTION  (9002315.0611,.02)
1)= S ^BPDMRDNF(DA(1),11,"C", $E(X,1,30),DA)="
2)= K ^BPDMRDNF(DA(1),11,"C", $E(X,1,30),DA)

Subfile #9002315.061112

Traditional Cross-References:

B      REGULAR
Field:  STATE  (9002315.061112,.01)
1)= S ^BPDMRDNF(DA(2),11,DA(1),12,"B", $E(X,1,30),DA)="
2)= K ^BPDMRDNF(DA(2),11,DA(1),12,"B", $E(X,1,30),DA)

File #9002315.09

Traditional Cross-References:

B      REGULAR
Field:  DATE RUN  (9002315.09,.01)
1)= S ^BPDMLOG("B", $E(X,1,30),DA)="

```

```

                2)= K ^BPDMLOG("B", $E(X,1,30), DA)

Subfile #9002315.0921

Traditional Cross-References:

B    REGULAR
      Field:  PRESCRIPTIONS REVIEWED (9002315.0921,.01)
            1)= S ^BPDMLOG(DA(1),21,"B", $E(X,1,30), DA)=" "
            2)= K ^BPDMLOG(DA(1),21,"B", $E(X,1,30), DA)

Subfile #9002315.0931

Traditional Cross-References:

AEXP  MUMPS  WHOLE FILE (#9002315.09)
      Field:  PRESCRIPTIONS EXPORTED (9002315.0931,.01)
            1)= S
^BPDMLOG("AEXP", $P(^BPDMLOG(DA(1),0),U,1),X,DA(1),DA)
=" "
            2)= K
^BPDMLOG("AEXP", $P(^BPDMLOG(DA(1),0),U,1),X,DA(1),DA)

APE    MUMPS  WHOLE FILE (#9002315.09)
      Field:  PRESCRIPTIONS EXPORTED (9002315.0931,.01)
            1)= S
^BPDMLOG("APE",X,$P(^BPDMLOG(DA(1),0),U,1),DA(1),DA)=
" "
            2)= K
^BPDMLOG("APE",X,$P(^BPDMLOG(DA(1),0),U,1),DA(1),DA)

B    REGULAR
      Field:  PRESCRIPTIONS EXPORTED (9002315.0931,.01)
            1)= S ^BPDMLOG(DA(1),31,"B", $E(X,1,30), DA)=" "
            2)= K ^BPDMLOG(DA(1),31,"B", $E(X,1,30), DA)

Subfile #9002315.0951

Traditional Cross-References:

B    REGULAR
      Field:  ERRORS (9002315.0951,.01)
            1)= S ^BPDMLOG(DA(1),51,"B", $E(X,1,30), DA)=" "
            2)= K ^BPDMLOG(DA(1),51,"B", $E(X,1,30), DA)

Subfile #9002315.91101

Traditional Cross-References:

B    REGULAR

            1)= S ^BPDMLOG(DA(1),11,"B", $E(X,1,30), DA)=" "
            2)= K ^BPDMLOG(DA(1),11,"B", $E(X,1,30), DA)

```

## 4.4 Table File

### 4.4.1 PDM Site Parameter File

**GLOBAL: ^BPDMSITE(**

**FILE #: 9002315.01**

FILE SECURITY	
DD SECURITY	: @ DELETE SECURITY: @
READ SECURITY	: M LAYGO SECURITY : M
WRITE SECURITY	: M

CROSS REFERENCED BY:  
SITE/LOCATION(B)

FILE STRUCTURE

FIELD NUMBER	FIELD NAME
.01	SITE/LOCATION (RP59'), [0;1]
.02	INFORMATION SOURCE NAME (IS02) (RF), [0;2]
.03	ASAP VERSION (RS), [0;3]
.04	STATE (RP5'), [0;4]
.05	PHONE NUMBER - NUMERIC (RF), [0;5]
.06	NPI (F), [0;6]
.07	NCPDP/NABP PROVIDER ID (F), [0;7]
.08	FACILITY DEA NUMBER (F), [0;8]
.09	PHARMACY NAME (PHA04) (F), [0;9]
.1	CONTACT INFORMATON (F), [0;10]
.11	*USER TO RECEIVE BULLETIN (P200'), [0;11]
.12	EXPORT C-5 DRUGS (RS), [0;12]
.13	DEFAULT PHARMACIST (P200'), [0;13]
.14	MAIL GROUP FOR BULLETINS (P3.8'), [0;14]
1101	SECURE DIRECTORY FOR FILE (F), [11;1]
1102	IS03 SEGMENT DATA VALUE (F), [11;2]
1103	FILENAME (F), [11;3]
1104	DEFAULT FILE EXTENSION (S), [11;4]
1201	COMPOUND DRUGS (Multiple-9002315.0112), [12;0]
	.01 COMPOUND DRUGS (MP50'X), [0;1]
	.02 COMPOUND INGREDIENT QUANTITY (RNJ9,4), [0;2]
	.03 COMPOUND DRUG DOSAGE UNIT (RS), [0;3]
1301	INFORMATION RECEIVER ID (IR01) (F), [13;1]
1302	INFORMATION RECEIVER NAME-IR02 (F), [13;2]
1303	BIN (BANK IDENTIFICATION #) (F), [13;3]
1304	1995 STANDARD PATIENT ID (S), [13;4]
1305	1995 STND PHARM ID (S), [13;5]

## 4.4.2 PDM STATE REQUIREMENTS

**GLOBAL: ^BPDMSREQ(**

**FILE #: 9002315.02**

VERSION: 2.0	
STORED IN: ^BPDMSREQ(	03/25/11 PAGE 1
-----	
	FILE SECURITY
@	DD SECURITY : @ DELETE SECURITY:
@	READ SECURITY : @ LAYGO SECURITY :
	WRITE SECURITY : @
CROSS REFERENCED BY:	
STATE(B)	
FILE STRUCTURE	
FIELD	FIELD
NUMBER	NAME
.01	STATE (RP5'), [0;1]

## 4.4.3 FILE: PDM RECORD DEFINITION V4.0/V4.1

**GLOBAL: ^BPDMREC(**

**FILE #: 9002315.03**

VERSION: 2.0	
STORED IN: ^BPDMREC(	03/25/11 PAGE 1
-----	
	FILE SECURITY
	DD SECURITY : @ DELETE SECURITY: @
	READ SECURITY : @ LAYGO SECURITY : @
	WRITE SECURITY : @
CROSS REFERENCED BY:	
ORDER(AO) SEGMENT(B)	
FILE STRUCTURE	
FIELD	FIELD
NUMBER	NAME
.01	SEGMENT (RF), [0;1]
.02	ORDER (NJ3,0), [0;2]
.03	DESCRIPTION (F), [0;3]
1100	DATA ELEMENT (Multiple-9002315.0311), [11;0]
	.01 DATA ELEMENT (MF), [0;1]
	.02 DESCRIPTION (F), [0;2]
	.03 PIECE (NJ4,0), [0;3]
	1100 M CODE TO GET DATA (K), [11;E1,245]

```
1200 STATE (Multiple-9002315.031112), [12;0]
.01 STATE (MP5'X), [0;1]
```

#### 4.4.4 FILE: PDM RECORD DEFINITION V3.0 (2005) FILE

**GLOBAL: ^BPDMVTRD**

**FILE #: 9002315.04**

```
VERSION: 2.0

STORED IN: ^BPDMVTRD(                                03/25/11    PAGE 1
-----
                                FILE SECURITY
                                DD SECURITY      : @    DELETE SECURITY: @
                                READ SECURITY   : @    LAYGO SECURITY  : @
                                WRITE SECURITY  : @

CROSS REFERENCED BY:
    ORDER(AO)  SEGMENT(B)

                                FILE STRUCTURE

FIELD      FIELD
NUMBER     NAME

.01        SEGMENT (RF), [0;1]
.02        ORDER (NJ3,0), [0;2]
.03        DESCRIPTION (F), [0;3]
.04        STATUS (S), [0;4]
.05        PRE RECORD CHECK? (S), [0;5]
1100       DATA ELEMENT (Multiple-9002315.0411), [11;0]
           .01 DATA ELEMENT (MF), [0;1]
           .02 DESCRIPTION (F), [0;2]
           .03 PIECE (NJ4,0), [0;3]
           1100 M CODE TO GET DATA (K), [11;E1,245]
           1200 STATE (Multiple-9002315.041112), [12;0]
           .01 STATE (MP5'X), [0;1]
           .01 STATE (MP5'X),
[0;1]
```

#### 4.4.5 FILE: PDM CONTROL FILE

**GLOBAL: ^BPDMCTRL**

**FILE #: 9002315.05**

```
VERSION: 2.0

STORED IN: ^BPDMCTRL(                                03/25/11    PAGE 1
-----
                                FILE SECURITY
                                DD SECURITY      : @    DELETE SECURITY: @
```

	READ SECURITY	: @	LAYGO SECURITY	: @
	WRITE SECURITY	: @		
CROSS REFERENCED BY:				
	REQUIRED BY ASAP(AREQ)	VERSION(B)		
FILE STRUCTURE				
FIELD NUMBER	FIELD NAME			
.01	VERSION (RF), [0;1]			
.02	FIELD SEPARATOR (F), [0;2]			
.03	SEGMENT TERMINATOR (F), [0;3]			
1100	REQUIRED BY ASAP (Multiple-9002315.0511), [11;0]			

#### 4.4.6 FILE: PDM RECORD DEFINITION 1995 STANDARD FILE

GLOBAL: ^BPDMNRDF

FILE #: 9002315.06

VERSION: 2.0				
STORED IN: ^BPDMRDNF(		03/01/12	PAGE 1	
-----				
		FILE SECURITY		
	DD SECURITY	: @	DELETE SECURITY:	@
	READ SECURITY	: @	LAYGO SECURITY	: @
	WRITE SECURITY	: @		
CROSS REFERENCED BY:				
	ORDER(AO)	SEGMENT(B)		
FILE STRUCTURE				
FIELD NUMBER	FIELD NAME			
.01	SEGMENT (RF), [0;1]			
.02	ORDER (NJ3,0), [0;2] [0;1]			
.03	DESCRIPTION (F), [0;3]			
.04	STATUS (S), [0;4]			
.05	PRE RECORD CHECK? (S), [0;5]			
1100	DATA ELEMENT (Multiple-9002315.0611), [11;0]			
	.01 DATA ELEMENT (MF), [0;1]			
	.02 DESCRIPTION (F), [0;2]			
	.03 BEGINNING COLUMN (NJ4,0), [0;3]			
	.04 LENGTH (NJ3,0), [0;4]			
	1100 M CODE TO GET DATA (K), [11;E1,245]			
1200	STATE (Multiple-9002315.061112), [12;0]			
	.01 STATE (MP5'X), [0;1]			
	.02 REQUIRED? (S), [0;2]			

**4.4.7 FILE: PDM EXPORT LOG****GLOBAL: ^BPDMLOG(****FILE #: 9002315.09**

```

VERSION: 2.0

STORED IN: ^BPDMLOG(                                03/25/11    PAGE 1
-----
                                FILE SECURITY
                                DD SECURITY      : @    DELETE SECURITY: @
                                READ SECURITY     : @    LAYGO SECURITY  : @
                                WRITE SECURITY    : @

CROSS REFERENCED BY:
  PRESCRIPTIONS EXPORTED(AEXP)  PRESCRIPTIONS EXPORTED(APE)
  DATE RUN(B)

                                FILE STRUCTURE

FIELD      FIELD
NUMBER     NAME

.001       NUMBER (NJ7,0), [ ]
.01        DATE RUN (RD), [0;1]
.02        BEGINNING FILL DATE (D), [0;2]
.03        ENDING FILL DATE (D), [0;3]
.04        # PRESCRIPTIONS REVIEWED (NJ7,0), [0;4]
.05        TOTAL # RECORDS EXPORTED (NJ7,0), [0;5]
.06        FILENAMES CREATED (F), [0;6]
.07        STATUS (S), [0;7]
.08        EXPORT TYPE (S), [0;8]
.09        FILE TYPE (S), [0;9]
.1         OUTPATIENT SITE (P59'), [0;10]
1101      # RECORDS GENERATED (Multiple-9002315.91101), [11;0]
          .01 DIVISION (F), [0;1]
          .02 # RECORDS (NJ7,0), [0;2]
          .03 FILENAME FOR DIVISION (F), [0;3]
2101      PRESCRIPTIONS REVIEWED (Multiple-9002315.0921), [21;0]
          .01 PRESCRIPTIONS REVIEWED (P52'X), [0;1]
          .02 MESSAGE (F), [0;2]
          .03 REFILL # (NJ2,0), [0;3]
          .04 PARTIAL IEN (F), [0;4]
          .05 STATUS (S), [0;5]
          .06 FILL DATE (F), [0;6]
          .07 ERROR? (S), [0;7]
          .08 OUTPATIENT SITE (P59'), [0;8]
3101      PRESCRIPTIONS EXPORTED (Multiple-9002315.0931), [31;0]
          .01 PRESCRIPTIONS EXPORTED (P52'), [0;1]
          .02 MESSAGE (F), [0;2]
          .03 REFILL # (NJ3,0), [0;3]
          .04 PARTIAL # (NJ3,0), [0;4]
          .05 STATUS (S), [0;5]
          .06 FILL DATE (F), [0;6]
          .08 OUTPATIENT SITE (P59'), [0;8]
5101      ERRORS (Multiple-9002315.0951), [51;0]
          .01 ERRORS (P52'X), [0;1]
          .02 ERROR MESSAGE (F), [0;2]

```



## 5.0 External Relations

This package calls the following documented entry points:

<b>Routine</b>	<b>is Invoked by:</b>
^%DT	BPDMRDR2,  dd9002315.09
DD^%DT	BPDMRDR2
C^%DTC	BPDMDR, BPDMDR2, BPDMRDR2
COMMA^%DTC	BPDMDR, BPDMDR2
NOW^%DTC	BPDMDR, BPDMDR2, BPDMRDR, BPDMREDO, BPDMRSSP
HOME^%ZIS	BPDMDR, BPDMDR2, BPDMRDR, BPDMREDO, BPDMRSSP
^%ZISC	BPDMDR, BPDMDR1, BPDMREDO
\$\$OPEN^%ZISH	BPDMDR1
\$\$HRN^AUPNPAT	BPDMDR, BPDMDR2, BPDMRDR, BPDMDR2
\$\$NAME^BHLRXUTL	BPDMUTL
^BPDMBAN	opt
CHECK^BPDMBAN	opt
ESP^BPDMBAN	opt
^BPDMCDEA	opt
CHECK^BPDMCHK	BPDMDR, BPDMDR2, BPDMRDR2, BPDMREDO, BPDMRSSP
CHKAL^BPDMCHK	BPDMDR, BPDMDR2, BPDMRDR2
CONFIRM^BPDMCHK	BPDMDR, BPDMDR2, BPDMRDR2
GENLOG^BPDMCHK	BPDMDR, BPDMDR2, BPDMRSSP
GETSITE^BPDMCHK	BPDMDR, BPDMDR2, BPDMRDR2, BPDMREDO, BPDMRSSP
^BPDMDL	opt
^BPDMDLG	opt
^BPDMDR	opt
\$\$CTR^BPDMDR	BPDMUTL
\$\$LOC^BPDMDR	BPDMUTL
BULL^BPDMDR	BPDMDR, BPDMDR2, BPDMRDR2, BPDMRSSP
TEST^BPDMDR	opt
LOG^BPDMDR1	BPDMDR, BPDMDR2, BPDMRDR2, BPDMRSSP
PROCESS^BPDMDR1	BPDMDR, BPDMDR2, BPDMRDR2
PROCESS3^BPDMDR1	BPDMDR, BPDMDR2, BPDMRDR2, BPDMRSSP
TAPE^BPDMDR1	BPDMDR, BPDMDR2, BPDMRDR2, BPDMRSSP

<b>Routine</b>	<b>is Invoked by:</b>
^BPDMDR2	BPDMDR1
TAPE^BPDMDR2	BPDMDR1
^BPDMDR3	BPDMDR1
TAPE^BPDMDR3	BPDMDR1
^BPDMEHX	opt
^BPDMRDR	opt
QUEUE^BPDMRDR	opt
^BPDMRDR2	BPDMRDR
^BPMREDO	opt
^BPMRSP	opt
^BPDMTAX	opt
^BPMUS	opt
\$\$COND^BPMUTL	BPDMDR1
\$\$DATE^BPMUTL	BPMUTL
\$\$DATEFILL^BPMUTL	BPDMDR1
\$\$FN^BPMUTL	BPDMDR1
\$\$PHARM^BPMUTL	BPDMLE, BPDMDLOG, BPDMDR, BPDMDRC
\$\$REQ^BPMUTL	BPDMCHK, BPDMDR1
\$\$RTS^BPMUTL	BPDMDR1
^DIC	BPDMCHK, BPDMLE, BPDMDLOG, BPDMENTV, BPMREDO, BPMRSP BPDMTAX, BPMUS
IX^DIC	BPDMENTV
FILE^DICN	BPDMTAX
^DIE	BPDMDR, BPDMDR1, BPDMDRC, BPDMRDR, BPMREDO, BPMRSP, BPDMTAX, BPMUS
^DIK	BPDMDR, BPDMENTV
IX^DIK	BPDMDR1
IX1^DIK	BPDMENTV
\$\$FMTE^DILIBF	dd9002315.09
^DIM	dd9002315.0311
\$\$GET1^DIQ	BPMUTL
EN^DIQ	BPDMLE, BPMREDO
^DIR	BPDMCDEA, BPDMCHK, BPDMLE, BPDMDLOG, BPDMDR, BPDMDRC, BPDMRDR BPDMRDR2, BPMREDO, BPMRSP, BPDMTAX, BPMUS
EN^VALM	BPDMTAX, BPMUS

<b>Routine</b>	<b>is Invoked by:</b>
TERM^VALM0	BPDMTAX, BPD MUS
CLEAR^VALM1	BPDMTAX, BPD MUS
FULL^VALM1	BPDMDLOG, BPDMTAX, BPD MUS
^XBCLS	BPDMCDEA
^XBDBQUE	BPDMCDEA, BPDMDLE, BPDMDLOG, BPDMDR, BPDMDRC
\$\$VAL^XBIDIQ1	BPDMCDEA, BPD MCHK, BPDMDLE, BPDMDLOG, BPDMDR, BPDMDR1, BPDMDRC BPD MRSSP, BPDMTAX, BPD MUTL
\$\$VALI^XBIDIQ1	BPDMDR, BPDMDR1, BPD MRSSP, BPD MUTL
^XBFMK	BPDMDR, BPDMDR1, BPDMDRC, BPD MRDR, BPD MRDO, BPD MRSSP, BPDMTAX, BPD MUS
\$\$EXTSET^XBFUNC	BPD MRSSP, BPD MUS
GUIR^XBLM	BPDMDR
VIEWR^XBLM	BPDMDLOG
EN^XBVK	BPDMDLE, BPDMDR, BPDMDRC, BPD MRDR, BPD MRDO, BPD MRSSP, BPD MUS
\$\$FMADD^XLFD T	BPD MRDR
\$\$FMTE^XLFD T	BPDMCDEA, BPDMDLE, BPDMDLOG, BPDMDR, BPDMDRC, BPD MRSSP
\$\$NOW^XLFD T	BPDMDR, BPD MUTL
\$\$CJ^XLFD STR	BPD MENV
\$\$REPEAT^XLFD STR	BPDMCDEA, BPDMDLE, BPDMDR, BPDMDRC
\$\$STRIP^XLFD STR	BPDMDR, BPDMDR1, BPDMDRC, BPD MUTL
^XM D	BPDMDR

<b>Routine</b>	<b>Not marked as entry point</b>
MES^XPDUTL	BPD MENV
SETUP^XQALERT	BPDMDR
DISP^XQORM1	BPDMTAX, BPD MUS

## 5.1 Callable Routines

There are no Callable Entry Points in this application.

## 5.2 Published Entry Points

There are no Published Entry Points for this application.

### 5.3 Exported Options

Option Name	Description
BPDM DISPLAY LOG ENTRY	Display Log Entry
BPDM DRUG TAXONOMY UPDATE	Update the PDM Drug Taxonomy
BPDM EDIT SITE PARAMETERS	Set PDM Site Parameters
BPDM EXPORT DATE RANGE	Export Prescriptions for a Date Range (Production)
BPDM EXPORT DATE RANGE (TEST)	Export Prescriptions for a Date Range (Test Mode)
BPDM EXPORT TRANSACTIONS	Create Export File of Prescriptions
BPDM LIST SCRIPTS EXPORTED	List all Prescriptions Exported on one Export
BPDM PROVIDERS WITH NO DEA	List Providers with No DEA #
BPDM QUEUE PDM EXPORT	Queueable Prescription Drug Monitoring Export
BPDM RESEND EXPORT	Re-Export a Previously Exported Log
BPDM RESUBMIT INDIVIDUAL RX	Re-Export Individual Prescriptions
BPDM UPDATE STATE REQ ELEMENTS	Update State Required Data Elements
BPDMMENU	Controlled Prescription Drug Monitoring Export

## 6.0 Internal Relations

All users should be given the access to the appropriate options and keys, as needed.  
All options in this system stand alone.

## **7.0 Archiving and Purging**

There is no archiving and purging in this package.

## 8.0 Documentation Resources

This section describes a few methods to generate online technical documentation.

The file number range for this package is 9002315. The namespace is BPDM. All templates, routines, screen forms, etc., begin with BPDM.

This section describes some methods by which users can generate IHS RPMS CONTROLLED DRUG EXPORT SYSTEM technical documentation. These include, but are not limited to, the sections that follow.

### 8.1 System Documentation

Online VPS system documentation can be generated through the use of several Kernel options, including, but not limited to:

- %INDEX
- Menu Management
- Inquire Option
- Print Option File
- VA FileMan
- Data Dictionary Utilities
- List File Attributes

For more option listings and further information about other utilities that supply online technical information, see the Decentralized Hospital Computer Program (DHCP) Kernel Reference manual.

#### 8.1.1 %INDEX

The %INDEX option analyzes the structure of a routine to determine in part, if the routine adheres to RPMS programming standards. The 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, and to see how routines interact with one another (i.e., which routines call or are called by other routines).

To run %INDEX for the Controlled Drug Export System package, specify the BPDM namespace at the “Routine(s)?>” prompt.

### 8.1.2 Inquire Option

The Inquire menu management option provides the following information about a specified option:

- Option name
- Menu text
- Option description
- Type of option
- Lock (if any)

In addition, all items on the menu are listed for each menu option. To secure information about Controlled Drug Export System options, you must specify the BPDM namespace.

### 8.1.3 Print Option File

The Print Option File utility generates a listing of options from the Option file (#19). Print all entries, a single option, or range of options. For a list of Controlled Drug Export System options, see Section 9.1.

There are no Published Entry Points for this application.

### 8.1.4 List File Attributes

This VA FileMan option allows users to generate documentation pertaining to files and file structure. The standard format of this option provides 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 BPDM files, see Section 4.0.

## 8.2 Online Help

In addition to system documentation, RPMS includes special help displays for most menu options and data entry prompts. Typing ? at the “Select . . . Option” prompt displays information related to the current option, where:

Typing . . .	Displays . . .
A single question mark (?)	A list of all options accessible from the current option.
Two question marks (??)	A list of all accessible options and their formal names.
Three question marks (???)	A brief description for each option in a menu.
One question mark (?) followed by an option name (?OPTION)	Extended help, if available, for that option.

## **9.0 SAC Requirements/Exemptions**

There are no SAC exemptions for this package.

# Glossary

**Archiving**

The storage of historical or little-used data off-line (often on tape).

**Banner**

A line of text 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 an "up-hat," used as a piece delimiter in a global. The caret is denoted as "^" and is typed by pressing SHIFT-6 on the keyboard.

**Cross Reference**

An indexing method whereby files can include presorted lists of entries as part of the stored database. Cross references (x-refs) facilitate look-up and reporting.

**Entry Point**

A 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).

**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).

**IRM**

Information Resource Management. 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.

**Option**

An entry in the Option file. As an item in 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.

**Queuing**

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

**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.

**UCI**

User Class Identification. 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 signoff. A global variable is stored on disk, potentially available to any user. Global variables usually exist as parts of global arrays.

## Acronym List

<b>IHS</b>	Indian Health Service
<b>PDMP</b>	Prescription Drug Monitoring Programs
<b>RPMS</b>	Resource and Patient Management System

## Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

**Phone:** (505) 248-4371 or (888) 830-7280 (toll free)

**Fax:** (505) 248-4363

**Web:** <http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm>

**Email:** [support@ihs.gov](mailto:support@ihs.gov)