PHARMACY DATA MANAGEMENT (PDM)

TECHNICAL MANUAL/ SECURITY GUIDE

Version 1.0

September 1997

Preface

This document describes the technical aspects of the Pharmacy Data Management (PDM) package. It is intended for the Information Resources Management (IRM) Chief/Site Manager, the Automated Data Processing (ADP)/IRM staff, and the ADP Coordinator. The main emphasis of this document is the set-up of all the necessary functions that are needed to install Outpatient Pharmacy V. 7.0 and Inpatient Medications V. 5.0, in conjunction with Computerized Patient Record System (CPRS) V. 1.0. Additionally this package will contain the pharmacy functions needed for maintenance of all pharmacy packages.

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Introduction

The Pharmacy Data Management package has been created to assist the VA Medical Centers to manage all the various functions necessary to effectively use all **V**_IST_**A** Pharmacy packages. This initial release has resulted from the need to create the new PHARMACY ORDERABLE ITEM file (#50.7), which will be used by both Inpatient Medications V. 5.0 and Outpatient Pharmacy V. 7.0, in conjunction with the release of Computerized Patient Record System (CPRS) V. 1.0. The options being exported with this package will provide to the Medical Centers tools to prepare for the release of these packages. Additionally this package will contain the pharmacy functions needed for maintenance of all pharmacy packages.

Implementation and Maintenance for Non-CMOP and Remote CMOP Sites

The PHARMACY ORDERABLE ITEM file (#50.7) must be built prior to the installation of Outpatient Pharmacy V. 7.0 and Inpatient Medications V. 5.0. The PHARMACY ORDERABLE ITEM file (#50.7) will be similar to the PRIMARY DRUG file (#50.3), currently used by Inpatient Medications V. 4.5. The main difference will be that each entry in the PHARMACY ORDERABLE ITEM file (#50.7) will have an associated Dose Form, that will always print next to the name. The PHARMACY ORDERABLE ITEM file (#50.7) will be duplicated in the Orderable Item file that will reside in CPRS V. 1.0. Any update to the PHARMACY ORDERABLE ITEM file (#50.7) will automatically update the corresponding entry in the ORDERABLE ITEM file (#101.43). The Pharmacy Orderable Item name and Dose Form can be printed on Outpatient reports, profiles, etc., and Inpatient reports, MAR labels etc., in place of the Primary Drug Name. Further explanations will be provided in the release of Inpatient Medications V. 5.0, and Outpatient Pharmacy V. 7.0. The existing PRIMARY DRUG file (#50.3), will be deleted as part of a future release.

The PHARMACY ORDERABLE ITEM file (#50.7) will include the following fields.

.01	**NAME**	This is the name of the Pharmacy Orderable Item. It is a Free Text field that can be up to 40 characters in length.
.02	**DOSAGE FORM**	This is a pointer to the DOSAGE FORM file (#50.606). This is a required field, and will always print next to the Pharmacy Orderable Item name.
.03	**IV FLAG**	This field will be set to 1 to indicate that the Pharmacy Orderable Item entry is pointed to by either the IV ADDITIVES file (#52.6), or the IV SOLUTIONS file (#52.7). If this field is not set to 1, it indicates that the entry is pointed to from the DRUG file (#50).
.04	**INACTIVE DATE**	This will contain the date the entry had been made inactive.
.05	**DAY (nD) or DOSE (nL) LIMIT**	This is a Free Text field used to calculate a DEFAULT value for the "STOP DATE" prompt of the order.

.06 MED ROUTE	This is a pointer to the MEDICATION ROUTES file (#51.2). If a MED ROUTE is entered here, it will be used as the DEFAULT value during order entry when this drug is selected.
.07 SCHEDULE TYPE	This field is a set of codes, and will be used as a DEFAULT value when selecting this drug in order entry.
.08 SCHEDULE	This is a Free Text field, and will be used as a DEFAULT value during order entry when this drug is selected.
.09 SUPPLY	This is a set of codes with 1 (one) indicating that the Orderable Item is a supply.
2 SYNONYM (multiple)	This multiple will contain all the associated synonyms for the Orderable Item.
.01 - SYNONYM	A Free Text synonym name up to 30 characters long.

3 CORRESPONDING UD ITEM

If CHANGE TYPE OF ORDER FROM OERR field (#20.412) in the PHARMACY SYSTEM file (#59.7) parameter in Inpatient Mediations package is set, this field will be asked to user. This field will indicate corresponding Orderable Items to choose from and which package (UD or IV) to finish the order.

4 CORRESPONDING IV ITEM

If CHANGE TYPE OF ORDER FROM OERR field (#20.412) in the PHARMACY SYSTEM file (#59.7) parameter in Inpatient Mediations package is set, this field will be asked to user. This field will indicate corresponding Orderable Items to choose from and which package (UD or IV) to finish the order.

File List

There are other Pharmacy files being exported with PDM that have previously been exported with the Inpatient Medications/Outpatient Pharmacy packages.

File#	NAME	UPDATE DD	DATA COMES WITH FILE	USER OVERRIDE
50	DRUG	FULL	NO	
50.4	DRUG ELECTROLYTES	FULL	NO	
50.606	DOSAGE FORM	FULL	YES (MERGE)	NO
50.7	PHARMACY ORDERABLE ITEM	FULL	NO	
51	MEDICATION INSTRUCTION	FULL	NO	
51.1	ADMINISTRATION SCHEDULE	FULL	YES (MERGE)	YES
51.2	MEDICATION ROUTES	FULL	YES (MERGE)	YES
51.5	ORDER UNIT	FULL	NO	
52.6	IV ADDITIVES	FULL	NO	
52.7	IV SOLUTIONS	FULL	NO	
54	RX CONSULT	FULL (SCREEN)	NO	
55	PHARMACY PATIENT (Partial DD)	PARTIAL	NO	
59.7	PHARMACY SYSTEM	FULL	NO	
200	NEW PERSON (Partial DD)	PARTIAL	NO	
9009032.3	APSP INTERVENTION TYPE	FULL	YES (OVERWRITE)	NO
9009032.4	APSP INTERVENTION	FULL	NO	
9009032.5	APSP INTERVENTION RECOMMENDATION	FULL	YES (OVERWRITE)	NO

The options needed to build and maintain the PHARMACY ORDERABLE ITEM file (#50.7) will be under the *Pharmacy Data Management* menu, and will appear as follows.

Pharmacy Data Management [PSS MGR]

    Primary/VA Generic Orderable Item Report
       [PSS PRIMARY/VA GENERIC REPORT]

    VA Generic Orderable Item Report
       [PSS VA GENERIC DRUG REPORT]

    Create Pharmacy Orderable Items
       [PSS CREATE ORDERABLE ITEMS]

    Manually Match Dispense Drugs
       [PSS PRE-RELEASE MANUAL MATCH]

    Orderable Item Matching Status
       [PSS ORDERABLE ITEM STATUS]

    CMOP Mark/Unmark (Single drug)
       [PSSXX MARK]
       **>Locked with PSXCMOPMGR

    Drug Enter/Edit
       [PSS DRUG ENTER/EDIT]

    Drug Interaction Management...
       [PSS DRG INTER MANAGEMENT]

       Enter/Edit Local Drug Interaction
          [PSS INTERACTION LOCAL ADD]

       Edit Drug Interaction Severity
          [PSS INTERACTION SEVERITY]

    Electrolyte File (IV)
       [PSSJI ELECTROLYTE FILE]

    Lookup into Dispense Drug File
       [PSS LOOK]

Med. Route/Instructions Table Maintenance
    [PSS MED. ROUTE/INSTRUCTIONS]

Medication Instruction File Add/Edit
    [PSSJU MI]

Orderable Item Management...
    [PSS ORDERABLE ITEM MANAGEMENT]

    Edit Orderable Items
            [PSS EDIT ORDERABLE ITEMS]

    Dispense Drug/Orderable Item Maintenance
            [PSS MAINTAIN ORDERABLE ITEMS]

    Additive/Solutions, Orderable Items
            [PSS ADDITIVE/SOLUTIONS]

   Orderable Item Report
            [PSS ORDERABLE ITEM REPORT]

Primary Drug Edit
    [PSS PRIMARY DRUG EDIT]

Pharmacy System Parameters Edit
    [PSS SYS EDIT]

Standard Schedule Edit
    [PSS SCHEDULE EDIT]

Work Flowchart for Creating and Matching Orderable Items

1. Use this option to review your drugs from the DRUG file (#50) and their matches to National Drug file (#50.6).

→ * | NDF INFO FROM YOUR LOCAL DRUG FILE |
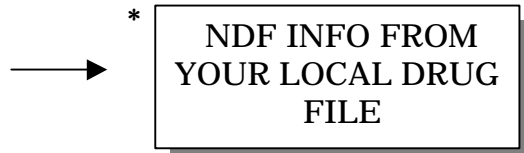
2. Use this option to review your drugs from the DRUG file (#50) that are **not** presently matched to National Drug File (NDF).

→ * | LOCAL DRUGS WITH NO MATCH TO NDF REPORT |
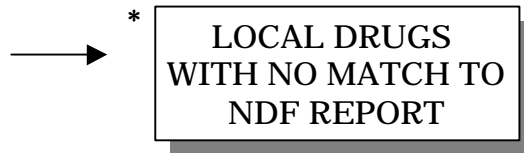
3. Review steps number 1 and 2.

4. Use these two options to match as many entries from DRUG file (#50) to NDF.

* | REMATCH/MATCH SINGLE DRUGS or AUTOMATIC MATCH OF UNMATCHED DRUGS |
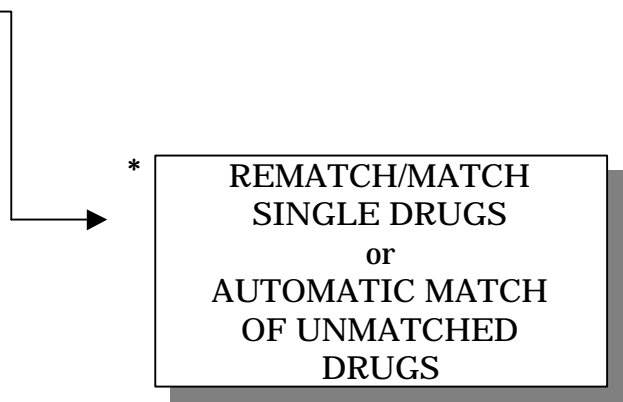
5. Spot check PRIMARY DRUG file (#50.3). Check names to see if dose form, strength, or units are contained in the names.

6. Use this option to review. (optional) **WARNING:** This report is very long.

→ | PRIMARY/VA GENERIC ORDERABLE ITEM REPORT |

7. Use this option to review. (optional) **WARNING:** This report is very long.

→ | VA GENERIC ORDERABLE ITEM REPORT |
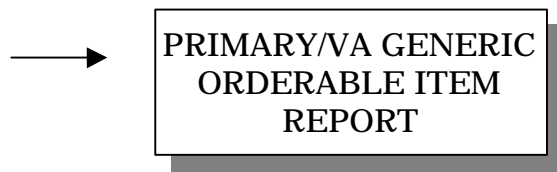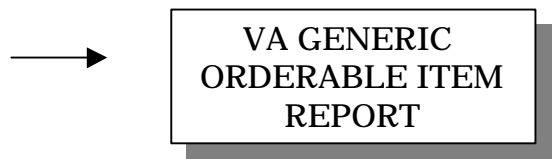
* Options are located in the NDF package.

8. When you have determined which method to create orderable items, use this option to automatically create your PHARMACY ORDERABLE ITEM file (#50.7).

→

CREATE PHARMACY ORDERABLE ITEMS

9. Use this option to match the remainder of your entries in DRUG file (#50) to Orderable Items. This option will loop until all that can be matched are matched.

→

MANUALLY MATCH DISPENSE DRUGS

10. Use this option to monitor your matching progress in the previous step.

→

ORDERABLE ITEM MATCHING STATUS

11. At the completion of step 9, use this report to review all of your Orderable Item matches.

→

ORDERABLE ITEM REPORT

12. Use this option to edit/correct any remaining Orderable Items that show up on the Orderable Item Report from step 11.

→

EDIT ORDERABLE ITEMS

13. Use these two options to "fine tune" your DRUG file (#50), IV ADDITIVES file (#52.6), and the IV SOLUTION file (#52.7) matches to PHARMACY ORDERABLE ITEM file (#50.7).

→

DISPENSE DRUG/ORDERABLE ITEM MAINTENANCE
or
ADDITIVE/SOLUTIONS, ORDERABLE ITEMS

Steps in Creating the Pharmacy Orderable Item File.

STEP 1
The first two options in the *Pharmacy Data Management* menu, (*Primary/VA Generic Orderable Item Report* and *VA Generic Orderable Item Report*), should be run first. These reports will reflect what your PHARMACY ORDERABLE ITEM file (#50.7) will look like, based on which of the two methods you choose to run when creating your PHARMACY ORDERABLE ITEM file (#50.7)

> The *Primary/VA Generic Orderable Item Report* option will use your existing PRIMARY DRUG file (#50.3), as a basis of creating the new file.

> The *VA Generic Orderable Item Report* option will use the VA Generic name from the NATIONAL DRUG file (#50.6), as a basis for creating the new file.

NOTE** There may be some instances of a drug not being matched when the report said it would be matched, but these instances should be limited to a very few.

Various factors come into play with these two methods. You may choose to create your PHARMACY ORDERABLE ITEM file (#50.7) by VA Generic Name if your PRIMARY DRUG file (#50.3) is a duplication of your DRUG file (#50). In either method, the more entries in the DRUG file (#50) that are matched to the NATIONAL DRUG file (#50.6), the more Orderable Items we can automatically create for you. If you choose to create by Primary/VA Generic Name, once the Primary Name portion of the option is finished, the software will also create as many entries as it can based on the VA Generic name. One advantage of creating the PHARMACY ORDERABLE ITEM file (#50.7) by Primary name is that all entries created via the PRIMARY DRUG file (#50.3) will have certain fields automatically populated, by being carried over from the PRIMARY DRUG file (#50.3) to the PHARMACY ORDERABLE ITEM file (#50.7). These fields are DAY (nD) or DOSE (nD), MED ROUTE, SCHEDULE TYPE, SCHEDULE, and the SYNONYM multiple.

For either method, IV Additives and IV Solutions will also have entries created for them in the PHARMACY ORDERABLE ITEM file (#50.7). Three files will point to the PHARMACY ORDERABLE ITEM file (#50.7), they are the DRUG file (#50), the IV ADDITIVES file (#52.6), and the IV SOLUTIONS file (#52.7).

STEP 2
The third option in the *Pharmacy Data Management* menu, *Create Pharmacy Orderable Items*, is the option that actually creates the entries in the PHARMACY ORDERABLE ITEM file (#50.7), and creates the pointers in the files mentioned in step 1. Based on the reports generated in step 1, you can create your file by using either of the two methods.

STEP 3
The *Manually Match Dispense Drugs* option should be run next. This option will step through all the remaining entries in the IV ADDITIVES file (#52.6), the IV SOLUTIONS file (#52.7), and the DRUG file (#50), and ask you to match any unmatched drugs to an entry in the PHARMACY ORDERABLE ITEM file (#50.7). Of the drug entries, you will be required to match all Additives and Solutions with valid pointers to the DRUG file (#50), and all entries in the DRUG file (#50) that are marked with an I, O, or U in the APPLICATION PACKAGES' USE field (#63), and be active or have an active date of a year or less. Each time this option is run, upon exit of the option, a check will be done to see if there are any drugs that are still not matched, that should be matched according to the rules mentioned above. If there are, a message will be given stating this, and reminding the user that someone will have to return to this option and continue matching drugs until they are all matched. If upon exit, all the necessary drugs are matched, a message will be given, and a job will be queued to do a final check on the file for any invalid data. Upon completion of that queued job, a mail message will be sent to the user who completed the matching process stating that everything has been completed.

Note: The other options in the *Pharmacy Data Management* menu provide methods of maintaining the PHARMACY ORDERABLE ITEM file (#50.7), and the pointer relationships of the other files. Please see the Exported Options section of this manual for further information.

Routines

A. Routine Descriptions

The following routines are used by the Pharmacy Data Management package.

```
ROUTINE:
PSSADDIT   PSSAUTL    PSSCHENV   PSSCHPRE   PSSCHPST   PSSCLDRG   PSSCREAT   PSSDDUT
PSSDDUT2   PSSDDUT3   PSSDEE     PSSDEE1    PSSDEE2    PSSDELOI   PSSDENT    PSSENV
PSSENVN    PSSFIL     PSSFILED   PSSGENM    PSSGIU     PSSGMI     PSSGS0     PSSGSH
PSSHELP    PSSHL1     PSSHLSCH   PSSHLU     PSSJEEU    PSSJORDF   PSSJSPU    PSSJSPU0
PSSJSV     PSSJSV0    PSSJXR     PSSJXR1    PSSJXR10   PSSJXR11   PSSJXR12   PSSJXR13
PSSJXR14   PSSJXR15   PSSJXR16   PSSJXR17   PSSJXR18   PSSJXR19   PSSJXR2    PSSJXR20
PSSJXR21   PSSJXR22   PSSJXR3    PSSJXR4    PSSJXR5    PSSJXR6    PSSJXR7    PSSJXR8
PSSJXR9    PSSLAB     PSSLOOK    PSSMARK    PSSMATCH   PSSNTEG    PSSOICT    PSSOICT1
PSSPOI     PSSPOIC    PSSPOIDT   PSSPOIKA   PSSPOIM    PSSPOIM1   PSSPOIM2   PSSPOIM3
PSSPOIMN   PSSPOIMO   PSSPOST    PSSPRE     PSSPRETR   PSSQOC     PSSREF     PSSSOLI1
PSSSOLIT   PSSSPD     PSSSUTIL   PSSSYN     PSSVIDRG   PSSVX6     PSSVX61    PSSVX62
PSSVX63    PSSVX64    PSSVX65    PSSVX66    PSSYSP
```

B. Callable Routines

There are two routines in this version of the Pharmacy Data Management package that are callable by other applications.

PSSJEEU
PSSGIU

C. Routine Mapping

There are eight routines that may be used extensively while using the options provided with this package in setting up the PHARMACY ORDERABLE ITEM file (#50.7). They are as follows.

    PSSPOIM1
    PSSPOIM2
    PSSPOIM3
    PSSPOIDT
    PSSADDIT
    PSSSOLI1
    PSSSOLIT
    PSSHL1

File Descriptions

File descriptions can be viewed by using the VA FileMan option *Print File Entries*.
If you have files that are out of sync you will need to enter each of them
individually at the "Start with Number" prompt.

```
Select OPTION:  PRINT FILE ENTRIES

OUTPUT FROM WHAT FILE: PHARMACY ORDERABLE ITEM//   FILE
      1    FILE                               (490 entries)
      2    FILEGRAM ERROR LOG                 (0 entries)
      3    FILEGRAM HISTORY                   (0 entries)
CHOOSE 1-3: 1
SORT BY: NAME// .001   NUMBER
START WITH NUMBER: FIRST//  50.7
GO TO NUMBER: LAST//  50.7
  WITHIN NUMBER, SORT BY:
FIRST PRINT ATTRIBUTE:  1  GLOBAL NAME
THEN PRINT ATTRIBUTE:  .01   NAME
THEN PRINT ATTRIBUTE:  DESCRIPTION      (word-processing)
THEN PRINT ATTRIBUTE:  <RET>

   ************************
Heading (S/C): FILE LIST//  <RET>
START AT PAGE: 1//  <RET>
DEVICE: <RET>

FILE LIST                                JUL 10,1996  13:18    PAGE 1
GLOBAL NAME      NAME
  DESCRIPTION
---------------------------------------------------------------------------

        NUMBER: 50.7
^PS(50.7,       PHARMACY ORDERABLE ITEM
  Order Entry name for items that can be ordered in the Pharmacy package.
```

Exported Options

A. Stand-alone Options

All of the Pharmacy Data Management options are designed to stand-alone and can be accessed without first accessing the top level menu.

B. Menus

The *Pharmacy Data Management* menu that is exported with this release of the Pharmacy Data Management package is as follows.

Pharmacy Data Management Menu:

Primary/VA Generic Orderable Item Report
VA Generic Orderable Item Report
Create Pharmacy Orderable Items
Manually Match Dispense Drugs
Orderable Item Matching Status
CMOP Mark/Unmark (Single drug)
   Locked with PSXCMOPMGR
Drug Enter/Edit
   IMPORTANT: Once Pharmacy Data Management is installed, the
   Outpatient Drug Enter/Edit and the *Inpatient Medications Dispense Drug*
   Fields options will be disabled and the *PDM Drug Enter/Edit* option should
   be used.
Drug Interaction Management...
  Enter/Edit Local Drug Interaction
  Edit Drug Interaction Severity
Electrolyte File (IV)
Lookup into Dispense Drug File
Med. Route/Instructions Table Maintenance
Medication Instruction File Add/Edit
Orderable Item Management...
  Edit Orderable Items
  Dispense Drug/Orderable Item Maintenance
  Additive/Solutions, Orderable Items
Orderable Item Report
Primary Drug Edit
Pharmacy System Parameters Edit
Standard Schedule Edit

Some of the above non-asterisk options are used in Creating A Sig Using Information From CPRS Order Entry (see page 11 of this manual). It is useful in understanding the creation of a possible sig in the Outpatient Pharmacy portion of CPRS when it is implemented.

* These items are for pre-release only and will be deleted with the installation Outpatient Pharmacy V. 7.0 and Inpatient Medications V. 5.0.

C. Option Descriptions

Following are the descriptions for the options.

PSS MGR Pharmacy Data Management

This menu contains the options necessary to build and maintain the PHARMACY ORDERABLE ITEM file (#50.7), and to also build and maintain the Med. Route/Instructions table.

Type: menu
Item:PSS PRIMARY/VA GENERIC REPORT
Item:PSS VA GENERIC DRUG REPORT
Item:PSS CREATE ORDERABLE ITEMS
Item:PSS PRE-RELEASE MANUAL MATCH
Item:PSS ORDERABLE ITEM STATUS
Item:PSSXX MARK
Item:PSS DRUG ENTER/EDIT
Item:PSS DRG INTER MANAGMENT
Item:PSS INTERACTION LOCAL ADD
Item:PSS INTERACTION SEVERITY
Item:PSSJI ELECTROLYTE FILE
Item:PSS LOOK
Item:PSS MED. ROUTE/INSTRUCTIONS
Item:PSSJU MI
Item:PSS ORDERABLE ITEM MANAGEMENT
Item:PSS EDIT ORDERABLE ITEMS
Item:PSS MAINTAIN ORDERABLE ITEMS
Item:PSS ADDITIVE/SOLUTIONS
Item:PSS ORDERABLE ITEM REPORT
Item:PSS PRIMARY DRUG EDIT
Item:PSS SYS EDIT
Item:PSS SCHEDULE EDIT

PSS PRIMARY/VA GENERIC REPORT   Primary/VA Generic Orderable Item
                    Report

This option provides a report of potential Pharmacy Orderable Items based on creating your PHARMACY ORDERABLE ITEM file (#50.7) by Primary Drug name, then VA Generic Name. This report can be run to show drugs that can be auto-created, or be run to show drugs that can't be auto-created.

Type: run routine   Routine: PRI^PSSMATCH

PSS VA GENERIC DRUG REPORT   VA Generic Orderable Item Report

This option provides a report of potential Pharmacy Orderable Items based on creating your PHARMACY ORDERABLE ITEM file (#50.7) by VA Generic name only. This report can be run to show drugs that can be auto-created, or run to show drugs that can't be auto-created.

Type:run routine   Routine: VA^PSSMATCH

PSS CREATE ORDERABLE ITEMS   Create Pharmacy Orderable Items

This option is used to populate the PHARMACY ORDERABLE ITEM file (#50.7). It will also match entries in the IV ADDITIVES file (#52.6), the IV SOLUTIONS file (#52.7), and the DRUG file (#50) to the new PHARMACY ORDERABLE ITEM file (#50.7). This option can only be run one time. It will queue a background job that builds a large TMP global that will be used to create the new file. Do not run this option until you are sure of the method that you want to create the file by. See the Implementation and Maintenance section of this manual, (Steps In Creating Orderable Item File), for more information.

Type: run routine   Routine: PSSCREAT

PSS PRE-RELEASE MANUAL MATCH   Manually Match Dispense Drugs

This option is used to manually match IV Additives, IV Solutions, and Dispense Drugs to Pharmacy Orderable Items.

☞   This option must be invoked after the *PSS CREATE ORDERABLE ITEMS* option has been run to completion. This option will force the matching of all Additives and Solutions with Dispense Drug pointers, and all Dispense Drugs marked with an I, O, or U in the APPLICATION PACKAGES' USE field (#63). Every time this option is exited, a check will be done for any unmatched drugs, and

an appropriate message will be given to the user. When all drugs are matched that should be matched, a job will be queued that checks for any invalid data. At the completion of this job, a mail message will be sent to the user who completed the matching process. At this time, the pre-release work is finished, and installation of Outpatient Pharmacy V. 7.0 and Inpatient Medications V. 5.0 will be allowed.

Type: run routine   Routine: PSSPOIM2

PSS ORDERABLE ITEM STATUS Orderable Item Matching Status

This option allows the user to check the status of the manual matching of Orderable Items.

Type: run routine   PSSOICT

PSSXX MARK CMOP Mark/Unmark (Single Drug)

This option allows the user to mark/unmark a single drug for transmission to the CMOP.

Type: run routine   PSSMARK

PSS DRUG ENTER/EDIT Drug Enter/Edit

This option allows the user to edit fields for ALL pharmacy packages if they possess the proper package key. It also will allow the user to match to NDF and Orderable Item.

Type:run routine   ROUTINE: PSSDEE

PSS DRG INTER MANAGEMENT Drug Interaction Management

This is the sub-menu driver for drug interaction maintenance.

Type:menu

PSS INTERACTION LOCAL ADD Enter/Edit Local Drug Interaction

This option allows pharmacy sites to add local drug ingredient interactions to the DRUG/DRUG INTERACTION file or edit only local drug interactions already in the file. The national entries in the DRUG/DRUG INTERACTION file cannot be edited.

This information displays on a screen or prints on a label whenever a pharmacist fills a prescription.

Type:action   ENTRY ACTION: D ADD^PSSHELP

PSS INTERACTION SEVERITY   Edit Drug Interaction Severity

With this option the pharmacy manager can change the drug interaction severity in the DRUG/DRUG INTERACTION file from significant to critical *only*. Severity cannot be changed from critical to significant.

Type:action   ENTRY ACTION: D CRI^PSSHELP

PSSJI ELECTROYLYTE FILE Electrolyte File (IV)

This option will allow you to alter the contents of the DRUG ELECTORYLYTES file (#50.4). This is the file that is pointed to by the ELECTROLYTE field in both the IV ADDITIVES (#52.6) and IV SOLUTIONS (#52.7) files.

Type:run routine   Routine: ELECTRO^PSSIVDRG

PSS LOOK Lookup into Dispense Drug File

This option provides a report of all information regarding the dispense drug.

Type:run routine   ROUTINE: PSSLOOK

PSS MED. ROUTE/INSTRUCTIONS   Med. Route/Instructions Table
                  Maintenance

This option is used to maintain the table of medication routes that will be displayed as defaults in OE/RR, based on dosage form.

Type: run routine   ROUTINE: ENMR^PSSFILED

PSSJU MI Medication Instruction File Add/Edit

The UNIT DOSE package contains a field called SPECIAL INSTRUCTIONS. This field utilizes the abbreviations and expansions of the MEDICATION INSTRUCTION file when printing on various reports. This option allow the user to enter and edit abbreviations and expansions in the MEDICATION INSTRUCTION file and to "flag" those entries for use by the INPATIENT packages only, OUTPATIENT package only, or by both.

Type:run routine   ROUTINE: ENMI^PSSFILED

PSS ORDERABLE ITEM MANAGEMENT   Orderable Item Management

This is the sub-menu driver for Orderable Item maintenance.

Type:menu

PSS EDIT ORDERABLE ITEMS   Edit Orderable Items

This option is used to edit entries in the PHARMACY ORDERABLE ITEM
file (#50.7). All fields except the DOSAGE FORM and IV FLAG fields can be edited.

Type: run routine   Routine: PSSPOIMO

PSS MAINTAIN ORDERABLE ITEMS   Dispense Drug/Orderable Item
Maintenance

This option is for maintaining the relationship between Dispense Drugs and
Orderable Items.

This option is used to maintain the relationship between Dispense Drugs and
entries in the PHARMACY ORDERABLE ITEM file (#50.7). The Dispense Drug
will be prompted for, and then the user can match it to a Pharmacy Orderable Item,
or re-match it to a different Pharmacy Orderable Item, depending on whether the
Dispense Drug chosen has already been matched. This option is different from the
PSS PRE-RELEASE MANUAL MATCH option, where this prompts for Dispense
Drug, and this option will remain on the Pharmacy Data Management menu for
maintenance purposes. The PSS PRE-RELEASE MANUAL MATCH option is only
for the initial set-up of the PHARMACY ORDERABLE ITEM file (#50.7), and
should be completed prior to the installations of Inpatient Medications V. 5.0 and
Outpatient Pharmacy V. 7.0.

Type: run routine   Routine: PSSPOIMN

PSS ADDITIVE/SOLUTIONS   Additive/Solutions, Orderable Items

This option is for maintaining the links between entries in the IV ADDITIVES file
(#52.6) and the PHARMACY ORDERABLE ITEM file (#50.7),and also between the
IV SOLUTIONS file (#52.7) and the PHARMACY ORDERABLE ITEM file (#50.7).
Once an Additive or Solution is chosen, the user can then match to an Orderable
Item, or re-match to different Orderable Item, depending on whether the Additive
or Solution chosen has already been matched.

Type: run routine   Routine: PSSADDIT

PSS ORDERABLE ITEM REPORT   Orderable Item Report

This option prints a report that is broken up into three parts. The first part shows all Pharmacy Orderable Items that are linked to IV Additives. The second part shows all Pharmacy Orderable Items linked to IV Solutions. The third part shows all Pharmacy Orderable Items linked to Dispense Drugs.

Type: run routine   Routine: PSSPOIKA

PSS PRIMARY DRUG EDIT   Primary Drug Edit

Allows the user to create and edit entries in the Primary Drug file.

Type: run routine   Routine: ENPDE^PSSFIL

PSS SYS EDIT Pharmacy System Parameters Edit

This will be the edit IV Identifier field that will be displayed with IV Orderable Items. The IV Identifier will be set to "IV" when the package is initially installed.

The Change Type of Order From OERR field is a site parameter that will allow the pharmacist to change the type of order from what is received from OERR. If this field is set to yes, it will be possible to change the order type on orders where the Orderable Item has data in the CORRESPONDING IV ITEM field for unit dose orders or data in the CORRESPONDING UD ITEM for IV orders.

Type:run routine   Routine: PSSYSP

PSS SCHEDULE EDIT   Standard Schedule Edit

This option allows the user to edit the set of times associated with the standard dosage administration schedules. This may be used to define the outpatient expansion to be used when the schedule is entered for an outpatient medication order.

Type:run routine   Routine: ENPSJSE^PSSJEEU

D. Exported Options Previously Released with Inpatient Medications.

In the list below, the Inpatient Medications options are listed first and in bold, the Pharmacy Data Management options which will replace the Inpatient Medications options are listed next. The PDM options are designed to be stand-alone and may be given to the individual users as needed.

PSJ PRIMARY DRUG EDIT
  PSS PRIMARY DRUG EDIT   Primary Drug Edit

PSJI DRUG
  PSSJI DRUG   ADditives File

PSJI EDIT DRUG COST
  PSSJI EDIT DRUG COST   EDit Drug Cost (IV)

PSJI SOLN
  PSSJI SOLN   PRimary Solution File (IV)

PSJU DCC
  PSSJU DCC   Edit Cost Data

PSJU DRG
  PSSJU DRG   Dispense Drug Fields

PSJU DRUG/ATC SET UP
  PSSJU DRUG/ATC SET UP   Dispense Drug/ATC Set Up

PSJU MARK UD ITEMS
  PSSJU MARK UD ITEMS   MARk/Unmark Dispense Drugs For Unit Dose

Data Archiving and Purging

There are **NO** archiving and purging functions necessary with this release of the Pharmacy Data Management package.

External Relationships

DBIA Agreements

DBIA integration agreements can be viewed by first choosing the *DBA...* menu option on FORUM and then the *Integration Agreement*s *Menu*.

Internal Relationships

Most options can function independently.

The few that cannot are:

> *Primary/VA Generic Orderable Item Report*
> *VA Generic Orderable Item Report*
> *Create Pharmacy Orderable Items*
> *Manually Match Dispense Drugs*
> *Orderable Item Matching Status*

Please refer to the work flowchart on page **8** for the correct order to invoke.

Package-Wide Variables

There are no package-wide variables for this version.

Package Requirements

The PDM module relies on, at least, the following external packages to run effectively:

Package	Minimum version needed
National Drug File	V. 3.15
Outpatient Pharmacy	V. 6.0
Inpatient Medications	V. 4.5
Kernel	V. 8.0 (plus all patches, particularly XU*8*28)
VA FileMan	V. 21.0 (plus all patches)

Additional Information

A. SAC Exemptions

There are no SAC exemptions for this package.

CMOP Host Sites
File List

The only Pharmacy file being exported with PDM for the CMOP Host sites is:

```
50          DRUG
```

Pharmacy Data Management [PSS MGR]

    Pharmacy Drug Enter/Edit
      [PSS DRUG ENTER/EDIT]

    Lookup into Dispense Drug File
      [PSS LOOK]

    CMOP Mark/Unmark (Single drug)
      [PSSXX MARK]
       **>Locked with PSXCMOPMGR

Routines

A. Routine Descriptions

The following routines are used by the Pharmacy Data Management package.

```
ROUTINE:
PSSADDIT   PSSAUTL    PSSCHENV   PSSCHPRE   PSSCHPST   PSSCLDRG   PSSCREAT   PSSDDUT
PSSDDUT2   PSSDDUT3   PSSDEE     PSSDEE1    PSSDEE2    PSSDELOI   PSSDENT    PSSENV
PSSENVN    PSSFIL     PSSFILED   PSSGENM    PSSGIU     PSSGMI     PSSGS0     PSSGSH
PSSHELP    PSSHL1     PSSHLSCH   PSSHLU     PSSJEEU    PSSJORDF   PSSJSPU    PSSJSPU0
PSSJSV     PSSJSV0    PSSJXR     PSSJXR1    PSSJXR10   PSSJXR11   PSSJXR12   PSSJXR13
PSSJXR14   PSSJXR15   PSSJXR16   PSSJXR17   PSSJXR18   PSSJXR19   PSSJXR2    PSSJXR20
PSSJXR21   PSSJXR22   PSSJXR3    PSSJXR4    PSSJXR5    PSSJXR6    PSSJXR7    PSSJXR8
PSSJXR9    PSSLAB     PSSLOOK    PSSMARK    PSSMATCH   PSSNTEG    PSSOICT    PSSOICT1
PSSPOI     PSSPOIC    PSSPOIDT   PSSPOIKA   PSSPOIM    PSSPOIM1   PSSPOIM2   PSSPOIM3
PSSPOIMN   PSSPOIMO   PSSPOST    PSSPRE     PSSPRETR   PSSQOC     PSSREF     PSSSOLI1
PSSSOLIT   PSSSPD     PSSSUTIL   PSSSYN     PSSVIDRG   PSSVX6     PSSVX61    PSSVX62
PSSVX63    PSSVX64    PSSVX65    PSSVX66    PSSYSP
```

B. Callable Routines

There are two routines in this version of the Pharmacy Data Management package that are callable by other applications.

PSSJEEU
PSSGIU

C. Routine Mapping

There are no routines that require mapping.

File Descriptions

File descriptions can be viewed by using the VA FileMan option *Print File Entries*.
If you have files that are out of sync you will need to enter each of them
individually at the "Start with Number" prompt.

```
Select OPTION:     PRINT FILE ENTRIES

OUTPUT FROM WHAT FILE: FILE//  <RET>
SORT BY: NAME//  .001  NUMBER
START WITH NUMBER: FIRST//  50
GO TO NUMBER: LAST//  50
  WITHIN NUMBER, SORT BY:
FIRST PRINT ATTRIBUTE:  1  GLOBAL NAME
THEN PRINT ATTRIBUTE:  .01  NAME
THEN PRINT ATTRIBUTE:  DESCRIPTION      (word-processing)
THEN PRINT ATTRIBUTE:  <RET>

  ************************
Heading (S/C): FILE LIST//  <RET>
START AT PAGE: 1//  <RET>
DEVICE:     [Select Print Device]

FILE LIST                                SEP 24,1997  13:25    PAGE 1
GLOBAL NAME      NAME
  DESCRIPTION
-------------------------------------------------------------------------

      NUMBER: 50
^PSDRUG(DRUG
  This file holds the information related to each drug that can be used to
  fill a prescription.  It is pointed to from several other files and should
  be handled carefully, usually only by special individuals in the pharmacy
  service.  Entries are not typically deleted, but rather made inactive by
  entering an inactive date.

  This file must be built by Pharmacy Service BEFORE going on-line.  It is
  common to use another centers file and edit it to match your center's unique
  formulary.
```

Exported Options

A. Stand-alone Options

All of the Pharmacy Data Management options are designed to stand-alone and can be accessed without first accessing the top level menu.

B. Menus

The *Pharmacy Data Management* menu that is exported with this release of the Pharmacy Data Management package is as follows.

Pharmacy Data Management:

    Drug Enter/Edit

       ☞ **IMPORTANT:** Once Pharmacy Data Management is installed, the *Outpatient Drug Enter/Edit* and the Inpatient Medications *Dispense Drug Fields* options will be disabled and the *PDM Drug Enter/Edit* option should be used.

    Lookup into Dispense Drug File
    CMOP Mark/UnMark Single Drug
       Locked with PSXCMOPMGR

C. Option Descriptions

Following are the descriptions for the options.

PSS MGR Pharmacy Data Management

This menu contains the options necessary to build and maintain the PHARMACY
ORDERABLE ITEM file (#50.7), and to also build and maintain the Med.
Route/Instructions table.

Type: menu

PSSXX MARK CMOP Mark/Unmark (Single Drug)

This option allows the user to mark/unmark a single drug for transmission to the
CMOP.

Type: run routine   PSSMARK

PSS DRUG ENTER/EDIT Drug Enter/Edit

This option allows the user to edit fields for ALL pharmacy packages if they possess
the proper package key. It also will allow the user to match to NDF and Orderable
Item.

Type:run routine   ROUTINE: PSSDEE

PSS LOOK Lookup into Dispense Drug File

This option provides a report of all information regarding the dispense drug.

Type:run routine   ROUTINE: PSSLOOK

Data Archiving and Purging

There are **NO** archiving and purging functions necessary with this release of the Pharmacy Data Management package.

External Relationships

DBIA Agreements

DBIA integration agreements can be viewed by first choosing the *DBA…* menu option on FORUM and then the *Integration Agreement* s *Menu*.

Internal Relationships

All options are intended to function independently.

Package-Wide Variables

There are no package-wide variables for this version.

Package Requirements

The PDM module relies on, at least, the following external packages to run effectively:

Package	Minimum version needed
National Drug File	V. 3.15
Kernel	V. 8.0 (plus all patches, particularly XU*8*28)
VA FileMan	V. 21.0 (plus all patches)

Security Guide

Security Management

DBIA integration agreements can be viewed by first choosing the *DBA...* menu option on FORUM and then the *Integration Agreement s Menu.*

There are no SAC exemptions for this package.

Menus

Pharmacy Data Management

Primary/VA Generic Orderable Item Report
VA Generic Orderable Item Report
Create Pharmacy Orderable Items
Manually Match Dispense Drugs
Orderable Item Matching Status
CMOP Mark/Unmark (Single drug)
      Locked with PSXCMOPMGR
Drug Enter/Edit
      IMPORTANT: Once Pharmacy Data Management is installed, the
      Outpatient Drug Enter/Edit and the *Inpatient Medications Dispense Drug*
      Fields options will be disabled and the *PDM Drug Enter/Edit option* should
      be used.
Drug Interaction Management...
    Enter/Edit Local Drug Interaction
    Edit Drug Interaction Severity
Electrolyte File (IV)
Lookup into Dispense Drug File
Med. Route/Instructions Table Maintenance
Medication Instruction File Add/Edit
Orderable Item Management...
    Edit Orderable Items
    Dispense Drug/Orderable Item Maintenance
    Additive/Solutions, Orderable Items
Orderable Item Report
Primary Drug Edit
Pharmacy System Parameters Edit
Standard Schedule Edit

* These items are for pre-release only and will be deleted with the installation
Outpatient V. 7.0 and Inpatient Medications V. 5.0.

File Security

Information about all files, including these can be obtained by using the VA FileMan to generate a list of file attributes.

File Numbers	File Names	DD	RD	WR	DEL	LAYGO
50	DRUG	@				
50.4	DRUG ELECTROLYTES	@				
50.606	DOSAGE FORM	@		@	@	@
50.7	PHARMACY ORDERABLE ITEM	@				
51	MEDICATION INSTRUCTION	@				
51.1	ADMINISTRATION SCHEDULE	@				
51.2	MEDICATION ROUTES	@				
51.5	ORDER UNIT					
52.6	IV ADDITIVES	@				
52.7	IV SOLUTIONS	@				
54	RX CONSULT					
55	PHARMACY PATIENT (Partial DD)	@	P			
59.7	PHARMACY SYSTEM	^		^	^	^
200	NEW PERSON (Partial DD)	#	#	#	#	#
9009032.3	APSP INTERVENTION TYPE					
9009032.4	APSP INTERVENTION					
9009032.5	APSP INTERVENTION RECOMMENDATION					

☞ Please refer to Page 432 of Kernel V. 8.0 Systems Manual concerning installation of security codes sections entitled "Sending Security Codes."

Keys

The following keys are assigned through the individual packages, PDM does not export any of these keys.

Package	Keys
Outpatient Pharmacy	PSORPH
Inpatient Medications	PSJU MGR
Inpatient Medications	PSJI MGR
Automatic Replenishment/Ward Stock	PSGWMGR
Drug Accountability/Inventory Interface	PSAMGR
Controlled Substances	PSDMGR
National Drug File	PSNMGR
Consolidated Mail Outpatient Pharmacy	PSXCMOPMGR

Glossary

CMOP   Consolidated Mail Outpatient Pharmacy

CPRS   Computerized Patient Record System

Dispense Drug   DRUG file (#50)

NDF   National Drug File

OERR   Order Entry Results Reporting

PDM   Pharmacy Data Management

Pharmacy Orderable Item   Items from which providers may order
                                  prescriptions. This consists of an up to forty
                                  character free text field with a dose form
                                  appended.

Primary Drug Name   Used in OERR V. 2.5, replaced by Pharmacy
                                  Orderable Item.

VA Generic   Used to create an orderable item from
                                  National Drug File when it is forty
                                  characters or less.

VA Generic Name   The .01 field of National Drug file (#50.6)
                                  which usually consists of the primary active
                                  ingredients separated by "/".

V*IST*A   Veterans Health Information Systems and
                                  Technology Architecture