



# **PHARMACY DATA MANAGEMENT**

## **TECHNICAL MANUAL/ SECURITY GUIDE**

Version 1.0  
September 1997

(Revised April 2011)







## Revision History

Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. If the Revised Pages column lists “All,” replace the existing manual with the reissued manual. If the Revised Pages column lists individual entries (e.g., 25, 32), either update the existing manual with the Change Pages Document or print the entire new manual.

Date	Revised Pages	Patch Number	Description
04/11	i-iv, 5, 8, removed 8a-b, 13, 24f-g, added 24h-l, 25, 28, added 28a-b for paging sense, 29, 30, renumbered 31a-b to be 30a-b for paging sense, 31, 32, 32a, 35, 45-49, 51, 55-59, added 60	PSS*1*117and PSS*1*136	Added reference to latest patch info, PSS*1*117 and PSS*1*136; Added new files VENDOR DISABLE/ENABLE (#59.73) and VENDOR INTERFACE DATA (#59.74) to <b>File List</b> and <b>File Security</b> sections. Updated <b>Options Descriptions</b> to include the new options available after the installation of PSS*1*136 and PSS*1*117 Updated <b>Routines</b> list Added new options <i>PEPS Services</i> [PSS PEPS SERVICES], <i>Check PEPS Services Setup</i> [PSS CHECK PEPS SERVICES SETUP], <i>Check Vendor Database Link</i> [PSS CHECK VENDOR DATABASE LINK], and <i>Schedule/Reschedule Check PEPS Interface</i> [PSS SCHEDULE PEPS INTERFACE CK], and updated menus where they appear ( <b>Exported Options</b> ) Added a <b>Bulletins</b> section to both Technical Manual and Security Guide and defined terms in <b>Glossary</b> Updated <b>Package Requirements</b> section <b>REDACTED</b>
04/11	i-iii, 5, 6, 8a-b, 33	PSS*1*153	Renamed the MED ROUTE field (#.06) of the PHARMACY ORDERABLE ITEM file (#50.7) to be DEFAULT MED ROUTE. Provided the ability to print the POSSIBLE MED ROUTES multiple on the <i>Default Med Route For OI Report</i> [PSS DEF MED ROUTE OI RPT] option. <b>REDACTED</b>
02/11	i, 25	PSS*1*151	Added PSSDSAPA routine to the Routine List. Released with CPRS version 28. <b>REDACTED</b>
02/11	i, 33-34	PSS*1*142	Added functionality to denote the default med route for IV orders in the selection list in CPRS if all of the orderable items on the order have the same default med route defined. Released with CPRS version 28. <b>REDACTED</b>



Date	Revised Pages	Patch Number	Description
02/10	i-iii, 5, 8, 24f, 25, 29-30, 31b- 32, 32a-32h, 45-50	PSS*1*147	Updated patch references to include PSS*1*147. Described files, fields, options and routines added/modified as part of this patch. <b>REDACTED</b> REFCQ920
10/09	i-ii, 5, 8	PSS*1*141	Updated patch references to include PSS*1*141. Added ASSOCIATED IMMUNIZATION field (#9) to the PHARMACY ORDERABLE ITEM file (#50.7). <b>REDACTED</b>
08/09	24f	PSS*1*140	Added new option <i>Default Med Route OI Rpt</i> [PSS DEF MED ROUTE OI RPT]. <b>REDACTED</b>
02/09	i-ii, 24b-f, 25, 29-31b, 48-52, 55-58	PSS*1*129	Pharmacy Re-Engineering (PRE) V.0.5 Pre-Release. Restructured main PSS MGR menu and added new <i>Enhanced Order Checks Setup Menu</i> . Described files, fields, options and routines added/modified as part of this project. <b>REDACTED</b>
08/08	iii, 25, 33-34	PSS*1*94	Added Medication Routes and Administration Scheduling sections. Added PSSSCHD routine. <b>REDACTED</b>
10/06	i, ii, 25	PSS*1*112	Pharmacy Re-Engineering (PRE) Encapsulation Cycle II project. Added routines PSS55MIS and PSS50TMP to the Routine List. <b>REDACTED</b>
09/06	i, ii, 25	PSS*1*108	Pharmacy Re-Engineering (PRE) Encapsulation Cycle II project. Added routine PSS551 to the Routine List. <b>REDACTED</b>
04/06	i, 25	PSS*1*90	HIPAA NCPDP Global project. Added routines PSSDAWUT and PSSNDCUT to the Routine List. <b>REDACTED</b>
04/06	i, ii, 25	PSS*1*106	Pharmacy Re-Engineering (PRE) Encapsulation Cycle II project. Added routine PSS781 to the Routine List. <b>REDACTED</b>
11/05	i, ii, 25	PSS*1*101	Pharmacy Re-Engineering (PRE) Encapsulation Cycle II project. Added routines PSS55 and PSS59P7 to the Routine List. <b>REDACTED</b>



Date	Revised Pages	Patch Number	Description
03/05	i, ii, 24a, 25, 29-31, 48	PSS*1*87	Laser Labels Phase II project. Added <i>Warning Builder</i> and <i>Warning Mapping</i> options descriptions and updated the menu options. Added four new routines to the routine list. Cleaned up misspelled words and such on many pages. REDACTED
10/04	i., 25, 33	PSS*1*85	Added routines and a reference to the <i>Pharmacy Re-Engineering (PRE) Application Program Interface (API) Manual</i> created for the Pharmacy Re-Engineering (PRE) project Encapsulation cycle 1.
10/04	i, 24a, 25, 29-31, 32d-h, 48, 53	PSS*1*82	Updated the option description to include <i>Send Entire Drug File to External Interface</i> [PSS MASTER FILE ALL] option. Added new master file update information to the “HL7 Messaging with an External System” section. Updated routine list to include PSSMSTR. Updated the web address for the VistA Documentation Library (VDL).
07/03	i, 25, 31, 48	PSS*1*61	Updated routine list to four new add PKI routines. Added new <i>Controlled Substances/PKI Reports</i> [PSS/PKI REPORTS] menu and four associated report options to the <i>Pharmacy Data Management</i> [PSS MGR] menu.
04/03	i, 5, 8, 29, 35, 48	PSS*1*68	Updated patch references to include PSS*1*68. Added NON-VA MED field (#8) to the PHARMACY ORDERABLE ITEM file (#50.7).
03/03	i., 5, 8, 24a, 29, 31, 35, 48	PSS*1*47	Updated patch references to include PSS*1*47. Added new field OTHER LANGUAGE INSTRUCTIONS (#7.1) to the PHARMACY ORDERABLE ITEM file (#50.7) list and <i>Other Language Translation Setup</i> option description.
11/02	i, ii 5, (6) 23 - 25, (26) 29-30,(47), 48	PSS*1*55	Renumbered front matter starting from this Revision History page. Updated Patch number. Updated Option descriptions to include <i>Drug Text File Report</i> option. Added routine PSSDTR in the Routines section. Added the <i>Drug Text File Report</i> option to the current PDM Menu in the Exported Options section.
10/02	Title, i-iv, 32a-32d	PSS*1*57	Updated Title Page, Revision Page and Table of Contents. A section was added for the new HL7 Messaging with an External System.
09/01	All	PSS*1*38	Added this Revision History Page. Added Patch Release changes and Pharmacy Ordering Enhancements (POE) edits. Updated manual to comply with current documentation standards.
09/97	N/A	N/A	Original Release of Technical Manual.



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# Implementation and Maintenance

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) used by Inpatient Medications V. 4.5. The main difference is that each entry in the PHARMACY ORDERABLE ITEM file (#50.7) has an associated Dosage Form that will always print next to the name. The PHARMACY ORDERABLE ITEM file (#50.7) will be duplicated in the ORDERABLE ITEM file (#101.43) 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 NAME field (#.01) and the DOSAGE FORM field (#.02) values in the PHARMACY ORDERABLE ITEM file (#50.7) will print on Outpatient Pharmacy reports, profiles, Inpatient Medication reports, MAR labels etc., in place of the Primary Drug Name.

The PHARMACY ORDERABLE ITEM file (#50.7) includes the following fields. These fields reflect the package content up to and including the release of patch PSS\*1\*117.

 These fields were necessary for the initial installation but were deleted following later patches.

\* These fields were not exported with the initial installation but were added with later patches.

Field Number	Field Name	Description
.01	<b>1.1.1.1 NAME</b>	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	<b>DOSAGE FORM</b>	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	<b>IV FLAG</b>	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	<b>INACTIVE DATE</b>	This will contain the date the entry had been made inactive.
.05	<b>DAY (nD) or DOSE (nL) LIMIT</b>	This is a free text field used to calculate a default value for the "STOP DATE" prompt of the order.
.06	<b>DEFAULT MED ROUTE</b>	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	<b>SCHEDULE TYPE</b>	This field is a set of codes and will be used as a default value when selecting this drug in order entry.



Field Number		Field Name	Description
.08		<b>SCHEDULE</b>	This is a free text field and will be used as a default value during order entry when this drug is selected.
.09		<b>SUPPLY</b>	This is a set of codes with 1 (one) indicating that the Orderable Item is a supply.
2		<b>SYNONYM (multiple)</b>	This multiple will contain all the associated synonyms for the Pharmacy Orderable Item.
	.01	<b>SYNONYM</b>	A free text synonym name up to 30 characters long.
<input checked="" type="checkbox"/> 3		<b>CORRESPONDING UD ITEM</b>	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.
<input checked="" type="checkbox"/> 4		<b>CORRESPONDING IV ITEM</b>	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.
*5		<b>FORMULARY STATUS</b>	This field will designate the formulary status of the Orderable Item. The non-formulary status will be displayed to the provider next to the selectable list of Orderable Item(s) during CPRS order entry (List Manager and GUI). This field is not editable. The software controls it. An Orderable Item will only be marked as non-formulary if there are no active Dispense Drugs that are formulary drugs matched to the item.
*6		<b>OI-DRUG TEXT ENTRY (multiple)</b>	



Field Number		Field Name	Description
	<b>*.01</b>	<b>OI-DRUG TEXT ENTRY</b>	This is a pointer to the DRUG TEXT file (#51.7). This file contains such information as drug restrictions, guidelines and protocols to help assure that medications are being used according to formulary specifications. This information will be seen in CPRS and Pharmacy when a medication order is placed for the Pharmacy Orderable Item. New entries to the DRUG TEXT file (#51.7) must be made through the <i>Drug Text Enter/Edit</i> option.
<b>*7</b>		<b>PATIENT INSTRUCTIONS</b>	The text in this field shall be presented as a default for the Patient Instructions prompt in the Outpatient Pharmacy package when entering orders, if the Dispense Drug selected is matched to this Pharmacy Orderable Item. This text will also be presented during the Outpatient Medication order entry process through CPRS, and the CPRS user can then determine whether or not these Instructions should be part of the order. For all words entered in this field, the software will check for expansions for each word in the MEDICATION INSTRUCTION file (#51) and expand the word accordingly.
<b>7.1</b>		<b>OTHER LANGUAGE INSTRUCTIONS</b>	The text in this field shall be presented as a default for the OTHER PATIENT INSTRUCTIONS prompt in the Outpatient Pharmacy package when entering orders, if the order being entered is for a patient who has designated a preference for another language.
<b>8</b>		<b>NON-VA MED</b>	This field indicates whether the Pharmacy Orderable Item is selectable as a Non-VA Med (either an herbal supplement, an over-the-counter (OTC) medication, or a prescription drug not dispensed by the VA). This field is not editable.



Field Number		Field Name	Description
<b>9</b>		<b>ASSOCIATED IMMUNIZATION</b>	This field is added by the Immunizations Documentation by BCMA application. A mapping relationship is created between the PHARMACY ORDERABLE ITEM file (#50.7) and the pointed-to immunization so that a record can be created in the V IMMUNIZATION file (#9000010.11) corresponding to the BCMA administration of an immunization.
<b>*10</b>		<b>USE DOSAGE FORM MED ROUTE LIST</b>	This flag governs the source of the medication routes that will be used during medication order entry. If this field is set to YES, the optional list of med routes will be derived from the Dosage Form file (#50.606) associated to the orderable item. Otherwise, it will be derived from the Possible Med Routes Sub-file (#50.711) associated to the orderable item.
<b>*11</b>		<b>POSSIBLE MED ROUTES (multiple)</b>	<p>If the DEFAULT MED ROUTE field (#.06) is populated then that value will be returned as the default value. If the DEFAULT MED ROUTE field (#.06) is not populated and the POSSIBLE MED ROUTES multiple (#11) is populated with a single entry and the USE DOSAGE FORM MED ROUTE LIST field (#10) is set to "NO", the single entry will be returned as the default value.</p> <p>If the DEFAULT MED ROUTE (#.06) field is not populated and the POSSIBLE MED ROUTES multiple (#11) is populated with more than one entry and the USE DOSAGE FORM MED ROUTE LIST field (#10) is set to "NO", no value will be returned as the default value.</p> <p>The med routes selection list in CPRS will be populated with entries in all the medication routes associated with the orderable item's dosage form if the USE DOSAGE FORM MED ROUTE LIST field (#10) is set to "YES", otherwise from the POSSIBLE MED ROUTES multiple (#11).</p>
<b>*11</b>	<b>.01</b>	<b>POSSIBLE MED ROUTES</b>	POINTER TO MEDICATION ROUTES FILE (#51.2) (Multiply asked)



## File List

The following PDM files are exported with the PDM package.

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	
51.7	DRUG TEXT	FULL	YES (OVERWRITE)	YES
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	
59.73	VENDOR DISABLE/ENABLE	FULL	NO	
59.74	VENDOR INTERFACE DATA	FULL	NO	

The following non-PDM files are exported with the PDM package.

File#	NAME	UPDATE DD	DATA COMES WITH FILE	USER OVERRIDE
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



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**NAME: PSS LOCAL POSSIBLE DOSAGES**

MENU TEXT: Local Possible Dosages Report

TYPE: run routine

DESCRIPTION: This option provides a report that displays entries from the LOCAL POSSIBLE DOSAGE (#50.0904) Subfile of the DRUG (#50) File with missing data in DOSE UNIT (#4) Field and the NUMERIC DOSE (#5) Field. This data needs to be populated if Dosage checks are to be performed, when that Local Possible Dosage is selected for an order.

ROUTINE: EN^PSSLDSE

UPPERCASE MENU TEXT: LOCAL POSSIBLE DOSAGES REPORT

**NAME: PSS STRENGTH MISMATCH**

MENU TEXT: Strength Mismatch Report

TYPE: run routine

DESCRIPTION: This option provides a report that shows all entries from the DRUG (#50) File that have data in the STRENGTH (#901) Field that does not match the data in the STRENGTH (#2) Field from the match in the VA PRODUCT (#50.68) File.

ROUTINE: EN^PSSTRENG

UPPERCASE MENU TEXT: STRENGTH MISMATCH REPORT

**NAME: PSS DOSE UNIT REQUEST**

MENU TEXT: Request Change to Dose Unit

TYPE: run routine

DESCRIPTION: This option enables a request to be made to have a new entry added, or a current entry changed in the DOSE UNITS (#51.24) File.

ROUTINE: DOSE^PSSMEDRQ

UPPERCASE MENU TEXT: REQUEST CHANGE TO DOSE UNIT

**NAME: PSS MARK PREMIX SOLUTIONS**

MENU TEXT: Mark PreMix Solutions

TYPE: run routine

DESCRIPTION: This option will be used to mark entries from the IV SOLUTIONS (#52.7) File as PreMixes, by allowing editing of the PREMIX (#18) Field.

ROUTINE: EDIT^PSSPRUTL

UPPERCASE MENU TEXT: MARK PREMIX SOLUTIONS

**NAME: PSS IV SOLUTION REPORT**

MENU TEXT: IV Solution Report

TYPE: run routine

DESCRIPTION: This report will display all entries from the IV SOLUTIONS (#52.7) File, or just those entries marked as PreMixes in the PREMIX (#18) Field.

ROUTINE: REP^PSSPRMIX

UPPERCASE MENU TEXT: IV SOLUTION REPORT

**NAME: PSS SCHEDULE REPORT**

MENU TEXT: Administration Schedule File Report

TYPE: run routine

DESCRIPTION: This option provides a report of entries from the ADMINISTRATION SCHEDULE (#51.1) File that shows whether or not data has been entered in the FREQUENCY (IN MINUTES) (#2) Field for the entries. To perform Dosage checks on medication orders, a frequency must be derived from the Schedule of the order.

ROUTINE: EN^PSSSCHRP

UPPERCASE MENU TEXT: ADMINISTRATION SCHEDULE FILE R

**NAME: PSS MED INSTRUCTION REPORT**

MENU TEXT: Medication Instruction File Report

TYPE: run routine

DESCRIPTION: This option provides a report of entries from the MEDICATION INSTRUCTION (#51) File that shows whether or not data has been entered in the FREQUENCY (IN MINUTES) (#31) Field. To perform Dosage checks on medication orders, a frequency must be derived from the Schedule of the order.

ROUTINE: EN^PSSMIRPT

UPPERCASE MENU TEXT: MEDICATION INSTRUCTION FILE RE



The following option was retrieved from VA FileMan and reflects the new option added to PDM following the installation of PSS\*1\*140.

-----  
**NAME: PSS MEDICATION ROUTES MGMT**

MENU TEXT: Medication Routes Management

TYPE: menu

DESCRIPTION: This Sub-Menu contains options related to Medication Routes in both the MEDICATION ROUTES (#51.2) File and the STANDARD MEDICATION ROUTES (#51.23) File.

ITEM: PSS MEDICATION ROUTES EDIT

ITEM: PSS MED ROUTE MAPPING REPORT

ITEM: PSS MED ROUTE MAPPING CHANGES

ITEM: PSS MEDICATION ROUTE REQUEST

ITEM: PSS DEF MED ROUTE OI RPT

This option introduced with PSS\*1\*140.

-----  
**NAME: PSS DEF MED ROUTE OI RPT**

MENU TEXT: Default Med Route For OI Report

TYPE: print

DIC {DIP}: PS(50.7, L.: 0

FLDS: [PSS DEF MED ROUTE FOR OI] BY: [PSS DEF MED ROUTE FOR OI]

DHD: [PSS HDR DEF MED ROUTE]

UPPERCASE MENU TEXT: DEFAULT MED ROUTE FOR OI REPOR

The following options were retrieved from VA FileMan and reflect the new options added to PDM following the installation of patch PSS\*1\*147.

**NAME: PSS ADDITIVE/SOLUTION**

MENU TEXT: IV Additive/Solution

TYPE: menu

PACKAGE: PHARMACY DATA MANAGEMENT

DESCRIPTION: This Sub-Menu contains options that can be used to run reports from the IV ADDITIVES (#52.6) File and the IV SOLUTIONS (#52.7) File. It also provides an option to edit the PREMIX (#18) Field in the IV SOLUTIONS (#52.7) File.

ITEM: PSS IV ADDITIVE REPORT DISPLAY ORDER: 1

ITEM: PSS IV SOLUTION REPORT DISPLAY ORDER: 2

ITEM: PSS MARK PREMIX SOLUTIONS DISPLAY ORDER: 3

UPPERCASE MENU TEXT: IV ADDITIVE/SOLUTION

**NAME: PSS IV ADDITIVE REPORT**

MENU TEXT: IV Additive Report

TYPE: run routine

DESCRIPTION: This report will display entries from the IV ADDITIVES (#52.6) File. The display selection choices will be for all IV Additives, only IV Additives whose ADDITIVE FREQUENCY (#18) Field is set to '1 BAG/DAY', or only those IV Additives whose ADDITIVE FREQUENCY (#18) Field is null.

ROUTINE: REP^PSSADRPT

UPPERCASE MENU TEXT: IV ADDITIVE REPORT

-----  
**NAME: PSS IV SOLUTION REPORT**

MENU TEXT: IV Solution Report

TYPE: run routine

PACKAGE: PHARMACY DATA MANAGEMENT

DESCRIPTION: This report will display all entries from the IV SOLUTIONS (#52.7) File, or just those entries marked as PreMixes in the PREMIX (#18) Field.

ROUTINE: REP^PSSPRMIX

UPPERCASE MENU TEXT: IV SOLUTION REPORT




The following options were retrieved from VA FileMan and reflect the new options added to PDM following the installation of patch PSS\*1\*136 and PSS\*1\*117.

```
NAME: PSS PEPS SERVICES                      MENU TEXT: PEPs Services
  TYPE: menu
  PACKAGE: PHARMACY DATA MANAGEMENT
ITEM: PSS CHECK VENDOR DATABASE LINK DISPLAY ORDER: 1
ITEM: PSS CHECK PEPS SERVICES SETUP DISPLAY ORDER: 2
ITEM: PSS SCHEDULE PEPS INTERFACE CK DISPLAY ORDER: 3
  UPPERCASE MENU TEXT: PEPs SERVICES
-----
NAME: PSS CHECK PEPS SERVICES SETUP          MENU TEXT: Check PEPs Services Setup
  TYPE: run routine
  PACKAGE: PHARMACY DATA MANAGEMENT
DESCRIPTION:  This option provides the ability to check and validate that
the link to the vendor interface used for enhanced order checking is enabled
and operational. It also provides the ability to execute various order checks
against the vendor database to ensure that the database is installed and
reachable.
  ROUTINE: RUNTEST^PSSHRIT
  UPPERCASE MENU TEXT: CHECK PEPs SERVICES SETUP
-----
NAME: PSS CHECK VENDOR DATABASE LINK        MENU TEXT: Check Vendor Database Link
  TYPE: run routine
  PACKAGE: PHARMACY DATA MANAGEMENT        ROUTINE: INTACT^PSSHRIT
  UPPERCASE MENU TEXT: CHECK VENDOR DATABASE LINK
-----
NAME: PSS SCHEDULE PEPS INTERFACE CK
  MENU TEXT: Schedule/Reschedule Check PEPs Interface
  TYPE: run routine                        PACKAGE: PHARMACY DATA MANAGEMENT
DESCRIPTION:  This option allows you to schedule the Interface Scheduler [PSS
INTERFACE SCHEDULER] option, which tests the PEPs interface by sending a PING
request. If the PEPs Interface is not available, a mail message will be sent
to the G.PSS ORDER CHECKS mail group.
  ROUTINE: SCHDOPT^PSSHRIT                TIMESTAMP: 61493,49257
  UPPERCASE MENU TEXT: SCHEDULE/RESCHEDULE CHECK PEPs
-----
NAME: PSS ENABLE/DISABLE DB LINK
  MENU TEXT: Enable/Disable Vendor Database Link
  TYPE: run routine
  PACKAGE: PHARMACY DATA MANAGEMENT
DESCRIPTION:  This option provides the ability to disable/enable the link to
the vendor interface used for enhanced order checking. When disabled, NO
drug-drug interaction, duplicate therapy or dosing order checks will
be performed in Pharmacy and in Computerized Patient Record System (CPRS).
  ROUTINE: EN^PSSDSFDB
  UPPERCASE MENU TEXT: ENABLE/DISABLE VENDOR DATABASE
```



After installing PSS\*1\*117, your current PSS MGR menu will look as shown below. See section 2.7.1 for information regarding stand-alone options that are not part of the current PSS MGR menu.

#### Pharmacy Data Management [PSS MGR]

CMOP Mark/Unmark (Single drug)  
[PSSXX MARK] 

Dosages...  
[PSS DOSAGES MANAGEMENT]

Auto Create Dosages  
[PSS DOSAGE CONVERSION]

Dosage Form File Enter/Edit  
[PSS DOSAGE FORM EDIT]

Enter/Edit Dosages  
[PSS EDIT DOSAGES]

Most Common Dosages Report  
[PSS COMMON DOSAGES]

Noun/Dosage Form Report  
[PSS DOSE FORM/ NOUN REPORT]

Review Dosages Report  
[PSS DOSAGE REVIEW REPORT]

Local Possible Dosages Report  
[PSS LOCAL POSSIBLE DOSAGES]

Request Change to Dose Unit  
[PSS DOSE UNIT REQUEST]

Drug Enter/Edit  
[PSS DRUG ENTER/ EDIT]

Order Check Management  
[PSS ORDER CHECK MANAGEMENT]  
Request Changes to Enhanced Order Check Database  
[PSS ORDER CHECK CHANGES]  
Report of Locally Entered Interactions  
[PSS REPORT LOCAL INTERACTIONS]

Electrolyte File (IV)  
[PSSJI ELECTROLYTE FILE]



Lookup into Dispense Drug File  
[PSS LOOK]

Medication Instruction Management ...  
[PSS MED INSTRUCTION MANAGEMENT]

Medication Instruction File Add/Edit <<*Moved from main PSS MGR menu*  
[PSSJU MI]

Medication Instruction File Report  
[PSS MED INSTRUCTION REPORT]

Medication Routes Management ...  
[PSS MEDICATION ROUTES MGMT]

Medication Route File Enter/Edit <<*Moved from main PSS MGR menu*  
[PSS MEDICATION ROUTES EDIT]

Medication Route Mapping Report  
[PSS MED ROUTE MAPPING REPORT]

Medication Route Mapping History Report  
[PSS MED ROUTE MAPPING CHANGES]

Request Change to Standard Medication Route  
[PSS MEDICATION ROUTE REQUEST]

Default Med Route for OI Report  
[PSS DEF MED ROUTE OI RPT]

Orderable Item Management  
[PSS ORDERABLE ITEM MANAGEMENT]

Edit Orderable Items  
[PSS EDIT ORDERABLE ITEMS]

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

Orderable Item/Dosages Report  
[PSS ORDERABLE ITEM DOSAGES]

Patient Instructions Report  
[PSS INSTRUCTIONS/ ITEMS REPORT]

Orderable Item Report <<*Moved from main PSS MGR menu*  
[PSS ORDERABLE ITEM REPORT]

Formulary Information Report  
[PSSNFI]



Drug Text Management ...  
[PSS DRUG TEXT MANAGEMENT]

Drug Text Enter/Edit <<*Moved from main PSS MGR menu*  
[PSS EDIT TEXT]

Drug Text File Report <<*Moved from main PSS MGR menu*  
[PSS DRUG TEXT FILE REPORT]

Pharmacy System Parameters Edit  
[PSS SYS EDIT]

Standard Schedule Management ...  
[PSS SCHEDULE MANAGEMENT]

Standard Schedule Edit <<*Moved from main PSS MGR menu*  
[PSS SCHEDULE EDIT]

Administration Schedule File Report  
*[PSS SCHEDULE REPORT]*

Synonym Enter/Edit  
[PSS SYNONYM EDIT]

Controlled Substances/PKI Reports  
[PSS CS/PKI REPORTS]

DEA Spec Hdlg & CS Fed Sch Discrepancy  
[PSS DEA VS CS FED. SCH. DISCR.]

Controlled Substances Not Matched to NDF  
[PSS CS NOT MATCHED TO NDF]

CS (DRUGS) Inconsistent with DEA Spec Hdlg  
[PSS CS DRUGS INCON WITH DEA]

CS (Ord. Item) Inconsistent with DEA Spec Hdlg  
[PSS CS (OI) INCON WITH DEA]

Send Entire Drug File to External Interface  
[PSS MASTER FILE ALL]

IV Additive/Solution ...  
[PSS ADDITIVE/SOLUTION]

IV Additive Report  
[PSS IV ADDITIVE REPORT]

IV Solution Report  
[PSS IV SOLUTION REPORT]



Mark PreMix Solutions  
[PSS MARK PREMIX SOLUTIONS]

Warning Builder  
[PSS WARNING BUILDER]

Warning Mapping  
[PSS WARNING MAPPING]

PEPS Services  
[PSS PEPS SERVICES]

Check Vendor Database Link  
[PSS CHECK VENDOR DATABASE LINK]

Check PEPS Services Setup  
[PSS CHECK PEPS SERVICES SETUP]

Schedule/Reschedule Check PEPS Interface  
[PSS SCHEDULE PEPS INTERFACE CK]



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# Routines

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

PSS117EN	PSS117PO	PSS129EN	PSS147EN	PSS147PO	PSS32P3
PSS32P5	PSS50	PSS50A	PSS50A1	PSS50AQM	PSS50ATC
PSS50B	PSS50B1	PSS50B2	PSS50C	PSS50C1	PSS50CMP
PSS50D	PSS50DAT	PSS50DOS	PSS50E	PSS50F	PSS350F1
PSS50LAB	PSS50NDF	PSS50P4	PSS50P66	PSS50P7	PSS50P7A
PSS50TMP	PSS50WS	PSS51	PSS51P1	PSS51P15	PSS51P1A
PSS51P1B	PSS51P1C	PSS51P2	PSS51P5	PSS52P6	PSS52P6A
PSS52P6B	PSS52P7	PSS52P7A	PSS54	PSS55	PSS551
PSS55MIS	PSS59P7	PSS781	PSSADDIT	PSSADRPT	PSSAUTL
PSSCHENV	PSSCHPRE	PSSCHPST	PSSCLDRG	PSSCOMMN	PSSCPRS
PSSCPRS1	PSSCREAT	PSSCSPD	PSSCUSRQ	PSSDAWUT	PSSDDUT
PSSDDUT2	PSSDDUT3	PSSDEE	PSSDEE1	PSSDEE2	PSSDELOI
PSSDENT	PSSDFEE	PSSDGUPD	PSSDI	PSSDIN	PSSDOS
PSSDOSCR	PSSDOSCX	PSSDOSED	PSSDOSER	PSSDOSRP	PSSDSAPA
PSSDSAPD	PSSDSAPI	PSSDSAPK	PSSDSAPL	PSSDSAPM	PSSDSBBP
PSSDSBDA	PSSDSBDB	PSSDSBPA	PSSDSBPB	PSSDSBPC	PSSDSBPD
PSSDSDAT	PSSDSFDB	PSSDSPON	PSSDSPOP	PSSDTR	PSSDSEXC
PSSENV	PSSENVN	PSSFDBRT	PSSFIL	PSSFILED	PSSFILES
PSSGENM	PSSGIU	PSSGMI	PSSGS0	PSSGSH	PSSHELP
PSSHREQ	PSSHLSCH	PSSHLU	PSSHL1	PSSHRCOM	PSSHRENV
PSSHREQ	PSSHRIT	PSSHRPST	PSSHRQ2	PSSHRQ21	PSSHRQ22
PSSHRQ23	PSSHRQ20	PSSHRVAL	PSSHRVL1	PSSHTTP	PSSJEEU
PSSJORDF	PSSJSPU	PSSJSPU0	PSSJSV	PSSJSV0	PSSJXR
PSSJXR1	PSSJXR10	PSSJXR11	PSSJXR12	PSSJXR13	PSSJXR14
PSSJXR15	PSSJXR16	PSSJXR17	PSSJXR18	PSSJXR19	PSSJXR2
PSSJXR20	PSSJXR21	PSSJXR22	PSSJXR4	PSSJXR5	PSSJXR6
PSSJXR7	PSSJXR8	PSSJXR9	PSSLAB	PSSLDALL	PSSLDEDT
PSSLDOSE	PSSLDOSE	PSSLOOK	PSSMARK	PSSMATCH	PSSMEDCH
PSSMEDRQ	PSSMEDRT	PSSMEDX	PSSMIRPT	PSSMRTUP	PSSMRTUX
PSSMSTR	PSSNDCUT	PSSNOUNR	PSSNTEG	PSSOICT	PSSOICT1
PSSOPKI	PSSOPKI1	PSSORPH	PSSORPH1	PSSORUTL	PSSOUTSC
PSSPKIPI	PSSPKIPR	PSSPNSRP	PSSPO129	PSSPOI	PSSPOIC
PSSPOID1	PSSPOID2	PSSPOID3	PSSPOIDT	PSSPOIKA	PSSPOIM
PSSPOIM1	PSSPOIM2	PSSPOIM3	PSSPOIMN	PSSPOIMO	PSSPOST
PSSPOST1	PSSPOST2	PSSPOST5	PSSPRE	PSSPRETR	PSSPRMIX
PSSPRUTL	PSSQORD	PSSREF	PSSREMCH	PSSSCHED	PSSSCHRP
PSSSOLI1	PSSSOLIT	PSSSPD	PSSSUTIL	PSSSYN	PSSTRENG
PSSUTIL	PSSUTLA1	PSSUTLPR	PSSVIDRG	PSSVX6	



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# Exported Options

## Stand-Alone Options

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

The following stand-alone menus are not part of the PSS MGR main menu. They can be added to the main menu to provide a customized menu. They are accessible to whomever is designated to access KERNEL options to customize a menu.

Other Language Translation Setup  
[PSS OTHER LANGUAGE SETUP]

The *Other Language Translation Setup* [PSS OTHER LANGUAGE SETUP] option must be assigned to whomever is responsible for maintaining it.

Dispense Drug Fields  
[PSSJU DRG]

Dispense Drug/ATC Set Up  
[PSSJU DRUG/ATC SET UP]

Drug Inquiry (IV)  
[PSSJI DRUG INQUIRY]

Edit Cost Data  
[PSSJU DCC]

EDit Drug Cost (IV)  
[PSSJI EDIT DRUG COST]

Electrolyte File (IV)  
[PSSJI ELECTROLYTE FILE]

MARK/Unmark Dispense Drugs For Unit Dose  
[PSSJU MARK UD ITEMS]

PRimary Solution File (IV)  
[PSSJI SOLN]

And last but not least, below is a stand-alone option that exists **ONLY** as a way for technical personnel to turn on/off the database connection *if required* for debugging. Normally it is enabled and the Vendor Database updates are performed centrally in Austin and Martinsburg, not at the individual sites. This option is rarely used. It is **NOT** exported as part of the main PDM menu [PSS MGR]:

Enable/Disable Vendor Database Link  
[PSS ENABLE/DISABLE DB LINK]



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## Menus

The original PDM menu that would be seen following the initial setup of the PDM package is displayed below. 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]

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]



### Locked: PSXCMOPMGR


Without the PSXCMOPMGR key, the *CMOP Mark/Unmark (Single drug)* option will not appear on your menu.

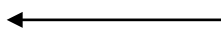


The PDM menu that was exported with the original PDM package has been modified to include subsequent changes and patches.

The PDM menu up to and including PSS\*1\*117 appears below. PSS\*1\*117 was the last patch to affect a change to the PDM menu.

#### Pharmacy Data Management [PSS MGR]

CMOP Mark/Unmark (Single drug)  
[PSSXX MARK] 



When using the *CMOP Mark/Unmark (Single drug)* [PSSXX MARK] option to mark a drug for CMOP the user **must** update the cost information in the DRUG file (#50) to ensure the cost data for each prescription fill will be correct.

Dosages...  
[PSS DOSAGES MANAGEMENT]

Auto Create Dosages  
[PSS DOSAGE CONVERSION]

Dosage Form File Enter/Edit  
[PSS DOSAGE FORM EDIT]

Enter/Edit Dosages  
[PSS EDIT DOSAGES]

Most Common Dosages Report  
[PSS COMMON DOSAGES]

Noun/Dosage Form Report  
[PSS DOSE FORM/ NOUN REPORT]

Review Dosages Report  
[PSS DOSAGE REVIEW REPORT]

Local Possible Dosages Report  
[PSS LOCAL POSSIBLE DOSAGES]

Request Change to Dose Unit  
[PSS DOSE UNIT REQUEST]

Drug Enter/Edit  
[PSS DRUG ENTER/ EDIT]

Order Check Management  
[PSS ORDER CHECK MANAGEMENT]

Request Changes to Enhanced Order Check Database  
[PSS ORDER CHECK CHANGES]

Report of Locally Entered Interactions  
[PSS REPORT LOCAL INTERACTIONS]



Electrolyte File (IV)  
[PSSJI ELECTROLYTE FILE]

Lookup into Dispense Drug File  
[PSS LOOK]

Medication Instruction Management ...  
[PSS MED INSTRUCTION MANAGEMENT]

Medication Instruction File Add/Edit <<*Moved from main PSS MGR menu*  
[PSSJU MI]

Medication Instruction File Report  
[PSS MED INSTRUCTION REPORT]

Medication Routes Management ...  
[PSS MEDICATION ROUTES MGMT]

Medication Route File Enter/Edit <<*Moved from main PSS MGR menu*  
[PSS MEDICATION ROUTES EDIT]

Medication Route Mapping Report  
[PSS MED ROUTE MAPPING REPORT]

Medication Route Mapping History Report  
[PSS MED ROUTE MAPPING CHANGES]

Request Change to Standard Medication Route  
[PSS MEDICATION ROUTE REQUEST]

Default Med Route for OI Report  
[PSS DEF MED ROUTE OI RPT]

Orderable Item Management  
[PSS ORDERABLE ITEM MANAGEMENT]

Edit Orderable Items  
[PSS EDIT ORDERABLE ITEMS]

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



Orderable Item/Dosages Report  
[PSS ORDERABLE ITEM DOSAGES]

Patient Instructions Report  
[PSS INSTRUCTIONS/ ITEMS REPORT]

Orderable Item Report <<*Moved from main PSS MGR menu*  
[PSS ORDERABLE ITEM REPORT]

Formulary Information Report  
[PSSNFI]

Drug Text Management ...  
[PSS DRUG TEXT MANAGEMENT]

Drug Text Enter/Edit <<*Moved from main PSS MGR menu*  
[PSS EDIT TEXT]

Drug Text File Report <<*Moved from main PSS MGR menu*  
[PSS DRUG TEXT FILE REPORT]

Pharmacy System Parameters Edit  
[PSS SYS EDIT]

Standard Schedule Management ...  
[PSS SCHEDULE MANAGEMENT]

Standard Schedule Edit <<*Moved from main PSS MGR menu*  
[PSS SCHEDULE EDIT]

Administration Schedule File Report  
[PSS SCHEDULE REPORT]

Synonym Enter/Edit  
[PSS SYNONYM EDIT]

Note: The <i>Other Language Translation Setup</i> [PSS OTHER LANGUAGE SETUP] option was moved from this list to section 2.7.1
---

Controlled Substances/PKI Reports  
[PSS CS/PKI REPORTS]

DEA Spec Hdlg & CS Fed Sch Discrepancy  
[PSS DEA VS CS FED. SCH. DISCR.]



Controlled Substances Not Matched to NDF  
[PSS CS NOT MATCHED TO NDF]

CS (DRUGS) Inconsistent with DEA Spec Hdlg  
[PSS CS DRUGS INCON WITH DEA]

CS (Ord. Item) Inconsistent with DEA Spec Hdlg  
[PSS CS (OI) INCON WITH DEA]

Send Entire Drug File to External Interface  
[PSS MASTER FILE ALL]

IV Additive/Solution ...  
[PSS ADDITIVE/SOLUTION]

IV Additive Report  
[PSS IV ADDITIVE REPORT]

IV Solution Report  
[PSS IV SOLUTION REPORT]

Mark PreMix Solutions  
[PSS MARK PREMIX SOLUTIONS]

Warning Builder  
[PSS WARNING BUILDER]

Warning Mapping  
[PSS WARNING MAPPING]

PEPS Services  
[PSS PEPS SERVICES]

Check Vendor Database Link  
[PSS CHECK VENDOR DATABASE LINK]

Check PEPS Services Setup  
[PSS CHECK PEPS SERVICES SETUP]

Schedule/Reschedule Check PEPS Interface  
[PSS SCHEDULE PEPS INTERFACE CK]



## Protocols

NAME: PSS EXT MFU CLIENT

DESCRIPTION: This protocol will be used as the ACK from the external interface for a MFN\_M01 message.

NAME: PSS EXT MFU SERVER

DESCRIPTION: This protocol will be used to send even notification and data when new drugs are added to the DRUG file (#50) and when certain fields are updated in the same file. This information will be sent to the automated dispensing machines through HL7 V.2.4 formatted messages.

NAME: PSS HUI DRUG UPDATE

DESCRIPTION: This protocol will be used to send event notification and data when new drugs are added to the Drug file (#50) and when certain fields are updated in same file.

NAME: PSS MED ROUTE RECEIVE

DESCRIPTION: This protocol processes updates to the Standard Medication Routes (#51.23) File.

## Bulletins

NAME: PSS FDB INTERFACE

SUBJECT: ORDER CHECK DATABASE DOWN

RETENTION DAYS: 3

PRIORITY?: YES

NAME: PSS FDB INTERFACE RESTORED

SUBJECT: ORDER CHECK DATABASE IS BACK UP

RETENTION DAYS: 3

PRIORITY?: YES

## HL7 Messaging with an External System

### New Protocol

A new protocol, PSS HUI DRUG UPDATE, is exported and has been created to generate HL7 messages when new drugs are added to the DRUG file (#50) and existing entries are updated. This protocol is exported with the text “DELETE ONLY TO SEND DRUG UPDATE MESSAGES” in the DISABLE field (#2) of the PROTOCOL file (#101). To activate the sending of these HL7 messages, the text from the DISABLE field (#2) of the PROTOCOL file (#101) must be deleted and at least one receiving protocol added as a subscriber. The drug data elements included in the HL7 message are defined in the table below.



## HL7 Drug Message Segment Definition Table

When the PSS HUI DRUG UPDATE protocol is enabled, the following table defines the data elements sent in each segment of the HL7 drug message.

Segment	Piece	Field Name	HL7 TBL # or Data Type	Description
<b>MSH</b>	1		ST	Field Separator
	2	^~\&	ST	Encoding Characters
	3	Pharmacy	No suggested value	Sending Application
	9	MFN	0076	Message Type
<b>MFI</b>	1	50^DRUG^99PSD	0175	Master File ID
	3	UPD	0178	File-Level Event Code
	6	NE	0179	Response Level Code
<b>MFA</b>	1	MUP/MAD	0180	UPDATE/ADD
<b>MFE</b>	1	MUP/MAD	0180	UPDATE/ADD
	4	IEN^DRUG NAME^99PSD		File 50 Entry
<b>ZPA</b>	1	NDC	ST	National Drug Code
	2	LOCAL NON-FORMULARY	CE	If “1” true
	3	INACTIVE DATE	DT	HL7 Format (YYYYMMDD)
	4	APPLICATION PACKAGE USE	ST	Used by what packages
	5	MESSAGE	ST	Info on drug
	6	VA CLASSIFICATION	ST	VA Class
	7	DEA SPECIAL HDLG	ST	How drug is dispense based on DEA codes
	8	FSN	ST	Federal Stock #
	9	WARNING LABEL	ST	Drug Warnings for patient
	10	VISN NON-FORMULAR	CE	If ‘1’ true



## Package Requirements

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

<b><u>Package</u></b>	<b><u>Minimum version needed</u></b>
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)

The PDM module up to and including the release of PSS\*1\*68 relies on, at least, the following external packages to run effectively.

<b><u>Package</u></b>	<b><u>Minimum version needed</u></b>
National Drug File	V. 4.0
Outpatient Pharmacy	V. 7.0
Inpatient Medications	V. 5.0
Kernel	V. 8.0
VA FileMan	V. 22.0

The PDM module up to and including the release of PSS\*1\*136 relies on, at least, the following external packages to run effectively:

<b><u>Package</u></b>	<b><u>Minimum version needed</u></b>
HealtheVet Web Services Client (HWSC)	V. 1.0
VistaLink	V. 1.6



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# Security Guide



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## Security Management

The PDM package does not contain any VA FileMan security codes except for programmer security (@) on the data dictionaries for the PDM files. Security with respect to standard options in the module is implemented by carefully assigning options to users and by the use of security keys.

## Mail Groups

Patch PSS\*1\*147 creates a new mail group called PSS ORDER CHECKS. The mail group description below was retrieved from VA FileMan. The IRM Pharmacy support and Pharmacy ADPACs (and backups) should at a minimum be added to this mail group.

```
NAME: PSS ORDER CHECKS
TYPE: public
DESCRIPTION: Members of this mail group will receive various notifications
that impact Enhanced Order Checks (drug-drug interactions, duplicate therapy
and dosing checks) introduced with PRE V. 0.5 utilizing a COTS database.
```

## Alerts

There are no alerts in the PDM package.

## Bulletins

Bulletins are 'Super' messages. Each Bulletin has a text and a subject just like a normal message. But embedded within either the subject or the text can be variable fields that can be filled in with parameters. There is also a standard set of recipients in the form of a Mail Group that is associated with the bulletin.

Bulletins are processed by MailMan either because of either a special type of cross reference or a direct call in a routine. The interface for the direct call is described in the documentation on programmer entry points. FileMan sets up code that will issue a bulletin automatically when the special cross reference type is created. In either case the parameters that go into the text and/or the subject make each bulletin unique.

```
NAME: PSS FDB INTERFACE
SUBJECT: ORDER CHECK DATABASE DOWN
RETENTION DAYS: 3
PRIORITY?: YES
```

```
NAME: PSS FDB INTERFACE RESTORED
SUBJECT: ORDER CHECK DATABASE IS BACK UP
RETENTION DAYS: 3
PRIORITY?: YES
```



## **Remote Systems**

PDM does not transmit data to any remote system or facility.

## **Archiving/Purging**

There are no archiving and purging functions necessary with the PDM package.

## **Contingency Planning**

Sites utilizing the PDM package should develop a local contingency plan to be used in the event of product problems in a live environment. The facility contingency plan must identify the procedure for maintaining functionality provided by this package in the event of system outage. Field station Information Security Officers (ISOs) may obtain assistance from their Regional Information Security Officer (RISO).

## **Interfacing**

There are no specialized products embedded within or required by the PDM package.

## **Electronic Signatures**

No electronic signatures are utilized in the PDM package.



## Menus

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

*\*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 of subsequent Pharmacy Data Management patches.



The PDM menu up to and including the release of PSS\*1\*136 and PSS\*1\*117 appears below. PSS\*1\*136 and PSS\*1\*117 were the last patches to affect a change to the PDM menu.

*CMOP Mark/Unmark (Single drug) *

- Dosages ...*
  - Auto Create Dosages*
  - Dosage Form File Enter/Edit*
  - Enter/Edit Dosages*
  - Most Common Dosages Report*
  - Noun/Dosage Form Report*
  - Review Dosages Report*
  - Local Possible Dosages Report*
  - Request Change to Dose Unit*
- Drug Enter/Edit*
- Order Check Management ...*
  - Request Changes to Enhanced Order Check Database*
  - Report of Locally Entered Interactions*
- Electrolyte File (IV)*
- Lookup into Dispense Drug File*
- Medication Instruction Management*
  - Medication Instruction File Add/Edit*
  - Medication Instruction File Report*
- Medication Routes Management*
  - Medication Route File Enter/Edit*
  - Medication Route Mapping Report*
  - Medication Route Mapping History Report*
  - Request Change to Standard Medication Route*
  - Default Med Route for OI Report*
- Orderable Item Management ...*
  - Edit Orderable Items*
  - Dispense Drug/Orderable Item Maintenance*
  - Orderable Item/Dosages Report*
  - Patient Instructions Report*
  - Orderable Item Report*
- Formulary Information Report*
- Drug Text Management*
  - Drug Text Enter/Edit*
  - Drug Text File Report*
- Pharmacy System Parameters Edit*
- Standard Schedule Management*
  - Standard Schedule Edit*
  - Administration Schedule File Report*
- Synonym Enter/Edit*



*Controlled Substances/PKI Reports*  
*DEA Spec Hdlg & CS Fed Sch Discrepancy*  
*Controlled Substances Not Matched to NDF*  
*CS (DRUGS) Inconsistent with DEA Spec Hdlg*  
*CS (Ord. Item) Inconsistent with DEA Spec Hdlg*  
*Send Entire Drug File to External Interface*  
*IV Additive/Solution*  
*IV Additive Report*  
*IV Solution Report*  
*Mark PreMix Solutions*  
*Warning Builder*  
*Warning Mapping*  
*PEPS Services*  
*Check Vendor Database Link*  
*Check PEPS Services Setup*  
*Schedule/Reschedule Check PEPS Interface*



Locked: PSXCMOPMGR

Without the PSXCMOPMGR key, the *CMOP Mark/Unmark (Single drug)* option will not appear on your menu.



Other Language Translation Setup [PSS OTHER LANGUAGE SETUP] option is a stand-alone option that must be assigned to the person(s) responsible for maintaining it.



Enable/Disable Vendor Database Link [PSS ENABLE/DISABLE DB LINK] option is a stand-alone option that exists **ONLY** as a way for technical personnel to turn the database connection off and back on if required for debugging. Normally it is enabled and the Vendor Database updates are performed centrally in Austin and Martinsburg, not at the individual sites. This option is rarely used. It is **NOT** exported as part of the main PDM menu [PSS MGR]:

In the rare case where this option is used and the database link is disabled, NO drug-drug interaction, duplicate therapy, or dosing order checks will be performed in Pharmacy or in the Computerized Patient Record System (CPRS).



## Security Keys

In order to mark or edit package specific fields in a DRUG file (#50) entry, the user must hold the corresponding package key. The keys are assigned for the individual packages. PDM does not export any of these keys.

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

Patch PSS\*1\*147 exports the following four security keys, that will be used by the Pharmacy Enterprise Customization System (PECS) application. Only a few users who will be granted access to the PECS application will need one or more keys assigned based on their role. Assignment of these keys should be by request only. The security key descriptions were retrieved from VA FileMan.

**NAME: PSS\_CUSTOM\_TABLES\_ADMIN**

DESCRIPTIVE NAME: ADMINISTRATOR

DESCRIPTION: This key is used by the Pharmacy Enterprise Customization System (PECS) web application. Holders of this key will have the ability to perform configuration and administrative tasks for the application. They will also have querying capabilities.

**NAME: PSS\_CUSTOM\_TABLES\_APPROVER**

DESCRIPTIVE NAME: APPROVER

DESCRIPTION: This key is used by the Pharmacy Enterprise Customization System (PECS) web application. Holders of this key will have the same privileges as those with the PSS\_CUSTOM\_TABLES\_REQUESTOR key. Additional capabilities will be to review, approve, delete or reject customization requests and to view and generate reports.

**NAME: PSS\_CUSTOM\_TABLES\_REL\_MAN**

DESCRIPTIVE NAME: RELEASE MANAGER

DESCRIPTION: This key is used by the Pharmacy Enterprise Customization System (PECS) web application. Holders of this key will have the ability to create file updates for FDB database tables to be applied at local facilities. They will also have querying capabilities.

**NAME: PSS\_CUSTOM\_TABLES\_REQUESTOR**

DESCRIPTIVE NAME: REQUESTOR

DESCRIPTION: This key is used by the Pharmacy Enterprise Customization System (PECS) web application. Holders of this key will be allowed to enter customization requests, display and view the status of their own requests. They will also have limited querying capabilities



# File Security

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

## PDM Files

<u>File Numbers</u>	<u>File Names</u>	<u>DD</u>	<u>RD</u>	<u>WR</u>	<u>DEL</u>	<u>LAYGO</u>
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	@				
51.23	STANDARD MEDICATION ROUTES	@	Pp	@	@	@
51.24	DOSE UNIT	@	Pp	@	@	@
51.5	ORDER UNIT					
51.7	DRUG TEXT	@				
52.6	IV ADDITIVES	@				
52.7	IV SOLUTIONS	@				
54	RX CONSULT					
55	PHARMACY PATIENT (Partial DD)	@	P			
59.7	PHARMACY SYSTEM	^		^	^	^
59.73	VENDOR DISABLE/ENABLE	@	@	@	@	@
59.74	VENDOR INTERFACE DATA	@	@	@	@	@



## Non-PDM Files

<u>File Numbers</u>	<u>File Names</u>	<u>DD</u>	<u>RD</u>	<u>WR</u>	<u>DEL</u>	<u>LAYGO</u>
200	NEW PERSON (Partial DD)	#	#	#	#	#
9009032.3	APSP INTERVENTION TYPE					
9009032.4	APSP INTERVENTION					
9009032.5	APSP INTERVENTION RECOMMENDATION					



Please refer to the "Sending Security Codes." section of the Kernel V. 8.0 Systems Manual for more information concerning installation of security codes.



# Glossary

## **Administration Schedule File**

The ADMINISTRATION SCHEDULE file (#51.1) contains administration schedule names and standard dosage administration times. The name is a common abbreviation for an administration schedule (e.g., QID, Q4H, PRN). The administration time is entered in military time.

## **CPRS**

A VistA computer software package called Computerized Patient Record System. CPRS is an application in VistA that allows the user to enter all necessary orders for a patient in different packages from a single application.

## **DATUP**

Functionality that allows the Pharmacy Enterprise Customization System (PECS) to send out custom and standard commercial-off-the-shelf (COTS) vendor database changes to update the two centralized databases at Austin and Martinsburg.

## **Dispense Drug**

The Dispense Drug is pulled from DRUG file (#50) and usually has the strength attached to it (e.g., Acetaminophen 325 mg). Usually, the name alone without a strength attached is the Pharmacy Orderable Item name.

## **Dosage Form File**

The DOSAGE FORM file (#50.606) contains all dosage forms and associated data that are used by Pharmacy packages and CPRS. The dosage form is used in SIG construction, default values and in the determination of the type of each dosage created for each application.

## **Dose Unit File**

The DOSE UNIT file (#51.24) was created to accomplish the mapping to First Data Bank (FDB). All entries in this file have been mapped to an FDB Dose Unit. Although this file has not yet been standardized by Standards and Terminology Services (SRS), no local editing will be allowed. When populating the Dose Unit field for a Local Possible Dosage, selection will be from this new file.

## **Drug Electrolytes File**

The DRUG ELECTROLYTES file (#50.4) contains the names of anions/cations, and their cations and concentration units.



<b>Drug File</b>	The DRUG file (#50) holds the information related to each drug that can be used to fill a prescription or medication order. 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.
<b>Drug Text File</b>	The DRUG TEXT file (#51.7) stores rapidly changing drug restrictions, guidelines, and protocols to help assure medications are being used according to defined specifications.
<b>IV Additives File</b>	The IV ADDITIVES file (#52.6) contains drugs that are used as Additives in the IV room. Data entered includes drug generic name, print name, drug information, synonym(s), dispensing units, cost per unit, days for IV order, usual IV schedule, administration times, electrolytes, and quick code information.
<b>IV Solutions File</b>	The IV SOLUTIONS file (#52.7) contains drugs that are used as primary solutions in the IV room. The solution must already exist in the DRUG file (#50) to be selected. Data in this file includes: drug generic name, print name, status, drug information, synonym(s), volume, and electrolytes.
<b>Local Possible Dosages</b>	Local Possible Dosages are free text dosages that are associated with drugs that do not meet all of the criteria for Possible Dosages.
<b>Medication Instruction File</b>	The MEDICATION INSTRUCTION file (#51) is used by Unit Dose and Outpatient Pharmacy. It contains the medication instruction name, expansion and intended use.



<b>Medication Routes File</b>	The MEDICATION ROUTES file (#51.2) contains medication route names. The user can enter an abbreviation for each route to be used at their site. The abbreviation will most likely be the Latin abbreviation for the term.
<b>Medication Routes/Abbreviations</b>	The MEDICATION ROUTES file (#51.2) contains the medication routes and abbreviations, which are selected by each Department of Veterans Affairs Medical Centers (VAMC). The abbreviation cannot be longer than five characters to fit on labels and the Medical Administration Record (MAR). The user can add new routes and abbreviations as appropriate.
<b>MOCHA</b>	Medication Order Check Healthcare Application.
<b>National Drug File</b>	The National Drug File provides standardization of the local drug files in all VA medical facilities. Standardization includes the adoption of new drug nomenclature and drug classification and links the local drug file entries to data in the National Drug File. For drugs approved by the Food and Drug Administration (FDA), VA medical facilities have access to information concerning dosage form, strength and unit; package size and type; manufacturer's trade name; and National Drug Code (NDC). The NDF software lays the foundation for sharing prescription information among medical facilities.
<b>Non-Formulary Drugs</b>	Drugs that are not available for use by all providers.
<b>Orderable Item</b>	An Orderable Item is pulled from the PHARMACY ORDERABLE ITEM file (#50.7) and usually has no strength attached to it (e.g., Acetaminophen). The name, with a strength attached, is the Dispense Drug name (e.g., Acetaminophen 325mg).
<b>Orderable Item File</b>	The ORDERABLE ITEM file (#101.43) is a CPRS file that provides the Orderable Items for selection within CPRS. Pharmacy Orderable Items are a subset of this file.



<b>PECS</b>	Pharmacy Enterprise Customization System. A Graphical User Interface (GUI) web-based application used to research, update via DATUP, maintain, and report VA customizations of the commercial-off-the-shelf (COTS) vendor database used to perform Pharmacy order checks such as drug-drug interactions, duplicate therapy, and dosing.
<b>PEPS</b>	Pharmacy Enterprise Product Services. A suite of services that includes Outpatient and Inpatient services.
<b>Pending Order</b>	A pending order is one that has been entered by a provider through CPRS without Pharmacy finishing the order. Once Pharmacy has finished (and verified for Unit Dose only) the order, it will become active.
<b>Pharmacy Orderable Item</b>	The Pharmacy Orderable Item is used through CPRS to order Inpatient Medications and Outpatient Pharmacy prescriptions.
<b>Pharmacy Orderable Item File</b>	The PHARMACY ORDERABLE ITEM file (#50.7) contains the Order Entry name for items that can be ordered in the Inpatient Medications and Outpatient Pharmacy packages.
<b>Possible Dosages</b>	Dosages that have a numeric dosage and numeric Dispense Units Per Dose appropriate for administration. For a drug to have possible dosages, it must be a single ingredient product that is matched to VA PRODUCT file (#50.68). The VA PRODUCT file (#50.68) entry must have a numeric strength and the dosage form/unit combination must be such that a numeric strength combined with the unit can be an appropriate dosage selection.
<b>Prompt</b>	A point at which the system questions the user and waits for a response.
<b>Standard Medication Route File</b>	The STANDARD MEDICATION ROUTE file (#51.23) was created to map Local Medication Routes in VistA to an FDB Route in order to perform dosage checks in PRE V.0.5. This file has been standardized by Standards and Terminology Service (STS) and is mapped to an FDB Route. It cannot be edited locally.
<b>Standard Schedule</b>	Standard medication administration schedules are stored in the ADMINISTRATION SCHEDULE file (#51.1).



**Units Per Dose**

The Units Per Dose is the number of Units (tablets, capsules, etc.) to be dispensed as a dose for an order. Fractional numbers will be accepted.

**VA Drug Class Code**

A drug classification system used by VA that separates drugs into different categories based upon their characteristics. Some cost reports can be run for VA Drug Class Codes.

**VA Product File**

The VA PRODUCT file (#50.68) contains a list of available drug products.



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