



# **PHARMACY DATA MANAGEMENT**

## **TECHNICAL MANUAL/ SECURITY GUIDE**

Version 1.0  
September 1997

(Revised December 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
12/11	i, ii, iii, 33-33b	PSS*1*159	Updated Medication Route information (N. Goyal, PM; C. Bernier, Tech Writer)
04/11	i-iii, 21-24r, 25, 29-30h, 48-49b	PSS*1*155	Removed <i>Auto Create Dosages</i> [PSS DOSAGE CONVERSION] option from the Dosages [PSS DOSAGES MANAGEMENT] menu. Updated menus to show menu structure of Pharmacy Data Management [PSS MGR] after install of PSS*1*155, but before installing MOCHA V. 1.0 (PSS*1*117) due to phased implementation of MOCHA. Also showing menu structure with PSS*1*155 and MOCHA V. 1.0 (PSS*1*117) installed. Added PSSUTIL3 routine and deleted PSSDOSCR and PSSDOSCX routines. (N. Goyal, PM; E. Phelps/C. Bernier, Tech Writers)
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*136 and PSS*1*117	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 (J. Pollard, PM; R. Ruzbacki, Developer, B. Tatum, Developer, M. Colyvas, Tech Writer)
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. (N. Goyal, PM; E. Phelps, Tech Writer)

<b>Date</b>	<b>Revised Pages</b>	<b>Patch Number</b>	<b>Description</b>
02/11	i, 25	PSS*1*151	Added PSSDSAPA routine to the Routine List. Released with CPRS version 28. (G. Tucker, PM; C. Bernier, Tech Writer)
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. (N. Goyal, PM; E. Phelps, Tech Writer)
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. (J. Freese, DM; K. Lowry, Tech. Writer) 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). (R. Singer, DM; D. Dertien/R. Silverman, Tech Writer)
08/09	24f	PSS*1*140	Added new option <i>Default Med Route OI Rpt</i> [PSS DEF MED ROUTE OI RPT]. (E. Wright, PM; S. B. Scudder, Tech. Writer)
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. (G.Tucker, PM; V.Howell, Tech.Writer)
08/08	iii, 25, 33-34	PSS*1*94	Added Medication Routes and Administration Scheduling sections. Added PSSSCHD routine. (S. Templeton, PM; G. O'Connor, Tech. Writer)
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. (J. Caudullo, PM; J. Nemetz, Tech. Writer)
09/06	i, ii, 25	PSS*1*108	Pharmacy Re-Engineering (PRE) Encapsulation Cycle II project. Added routine PSS551 to the Routine List. (H. Whitley, PM; J. Nemetz, Tech. Writer)
04/06	i, 25	PSS*1*90	HIPAA NCPDP Global project. Added routines PSSDAWUT and PSSNDCUT to the Routine List. (S. Spence, PM; M. Newman, Tech. Writer)
04/06	i, ii, 25	PSS*1*106	Pharmacy Re-Engineering (PRE) Encapsulation Cycle II project. Added routine PSS781 to the Routine List. (H. Whitley, PM; L. Woodson, Tech. Writer)
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. (H. Whitley, PM; L. Woodson, Tech. Writer)

<b>Date</b>	<b>Revised Pages</b>	<b>Patch Number</b>	<b>Description</b>
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. (H. Whitley, PM; L. Woodson, Tech. Writer)
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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## Data Archiving and Purging

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

## Callable Routines/Entry Points/Application Program Interfaces (APIs)

APIs, callable routines, and entry points can be viewed by first choosing the *DBA* menu option on FORUM and then choosing the *Integration Agreements Menu* option.

For detailed information on all supported Pharmacy Data Management APIs, see the *Pharmacy Re-Engineering (PRE) Application Program Interface (API) Manual* posted on the Vista Documentation Library (VDL).

## Medication Routes

The following paragraphs provide an explanation of medication route information.

### **For Outpatient Pharmacy & Inpatient Medication Unit Dose Orders:**

The Default med route will be returned from the DEFAULT MED ROUTE field (#.06) of the PHARMACY ORDERABLE ITEM file (#50.7) if it is populated, or from the POSSIBLE MED ROUTES multiple (#50.711) of the PHARMACY ORDERABLE ITEM file (#50.7) if it is populated with a single entry and the USE DOSAGE FORM MED ROUTE LIST field (#10) is set to "NO." The med route selection list will be returned with entries from the POSSIBLE MED ROUTES multiple (#50.711) if the USE DOSAGE FORM MED ROUTE LIST field (#10) is set to "NO." Otherwise, the med routes associated with the orderable item's dosage form, MED ROUTE FOR DOSAGE FORM multiple (#50.6061) of the DOSAGE FORM file (#50.606), will be returned.

### **For IV Fluids Orders:**

If there is only one orderable item in the IV order request, the same logic as defined above under 'For Outpatient Pharmacy & Inpatient Medication Unit Dose Orders' will be used to return the default med route from the DEFAULT MED ROUTE field (#.06) and the med route selection list from the PHARMACY ORDERABLE ITEM file (#50.7).

If there is more than one orderable item on the IV order request, the PHARMACY ORDERABLE ITEM file (#50.7) will be checked for each orderable item for the default med route and med route selection list as defined above under 'For Outpatient Pharmacy & Inpatient Medication Unit Dose Orders.' If there is a default med route common with every orderable item, that default med route will be returned. Similarly, the list of possible med routes that are common with every orderable item will be returned.

## Administration Scheduling

The following rules apply to administration scheduling.

If there is a duplicate schedule, and if one of them contains ward-specific administration times for the ward location of the patient, the schedule returned for inclusion in the array of selectable schedules in CPRS will be the one with the ward-specific administration times.

If no duplicate has ward-specific administration times for the ward location of the patient, the schedule with the lowest IEN number will be returned. If both (or more than one) duplicate schedules have ward-specific administration times for the ward location of the patient, the schedule with the lowest IEN number in the ADMINISTRATION SCHEDULE file #51.1 will be the schedule in the array returned to CPRS.



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## External Relations

### Integration Agreements

IAs can be viewed by first choosing the *DBA* option on FORUM and then the *Integration Agreements Menu* option.

#### Example: DBA Option

```
Select Primary Menu Option: DBA

Select DBA Option: INTEGration Agreements Menu

Select Integration Agreements Menu Option: Custodial Package Menu

Select Custodial Package Menu Option: ACTIVE by Custodial Package
Select PACKAGE NAME: PHARMACY DATA MANAGEMENT PSS
DEVICE: HOME//
```

## Internal Relations

All PDM options can function independently.

## Package-Wide Variables

There are no package-wide variables for this version.

## Package Requirements

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

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