



# **PHARMACY DATA MANAGEMENT**

## **TECHNICAL MANUAL/ SECURITY GUIDE**

Version 1.0  
September 1997

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Department of Veterans Affairs  
Product Development

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## 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
02/11	<a href="#">i, 25</a>	PSS*1*151	Added PSSDSAPA routine to the Routine List. Released with CPRS version 28. (G. Tucker, PM; C. Bernier, Tech Writer)
02/11	<a href="#">i, 33-34</a>	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)
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 PSSSCHEd 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)

<b>Date</b>	<b>Revised Pages</b>	<b>Patch Number</b>	<b>Description</b>
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)
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.

<b>Date</b>	<b>Revised Pages</b>	<b>Patch Number</b>	<b>Description</b>
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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# Routines

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

PSS129EN	PSS147EN	PSS147PO	PSS32P3	PSS32P5	PSS50
PSS50A	PSS50A1	PSS50AQM	PSS50ATC	PSS50B	PSS50B1
PSS50B2	PSS50C	PSS50C1	PSS50CMP	PSS50D	PSS50DAT
PSS50DOS	PSS50E	PSS50F	PSS50F1	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	PSSDAWUT	PSSDDUT	PSSDDUT2	PSSDDUT3	PSSDEE
PSSDEE1	PSSDEE2	PSSDELOI	PSSDENT	PSSDFEE	PSSDGUPD
PSSDI	PSSDIN	PSSDOS	PSSDOSCR	PSSDOSCX	PSSDOSED
PSSDOSER	PSSDOSRP	PSSDSAPA	PSSSDAT	PSSDSPON	PSSDSPOP
PSSDTR	PSSENV	PSSENVN	PSSFIL	PSSFILED	PSSFILES
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	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	PSSUTIL	PSSSYN	PSSTRENG	PSSUTIL	PSSUTLA1
PSSUTLPR	PSSVIDRG	PSSVX6	PSSVX61	PSSVX62	PSSVX63
PSSVX64	PSSVX65	PSSVX66	PSSWMAP	PSSWRNA	PSSWRNB
PSSWRNE	PSSYSP				

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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) at <http://www.va.gov/vdl/>.

## Medication Routes

The following paragraphs provide an explanation of medication route information.

If there is one and only one orderable item in the IV order, the Pharmacy Orderable Item file (50.7) will be checked to see if there is a default med route. Additionally, any med route defined for the dosage form of the orderable item will be checked. Duplicate entries will be filtered by inpatient pharmacy. The list of possible med routes sent back to CPRS will include the default med route (if defined), as well as any other med routes defined for the dosage form.

If there is more than one orderable item on the IV order, the Pharmacy Orderable Item file will be checked for each orderable item to see if a default is defined. This default will be pooled with the other possible med routes for each dosage form for each orderable item. Duplicates will be filtered by inpatient pharmacy. If all of the orderable items on the order have the same default med route defined, the default med route will be denoted in the selection list in CPRS.

Regardless of whether all orderable item defaults match or not, a default med route will not be marked as a default if there is more than one orderable item on the order. The list of possible med routes returned to CPRS will include only those med routes that every orderable item in the order shares in common.

## 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.

## 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.