

PHARMACY DATA MANAGEMENT

**TECHNICAL MANUAL/ SECURITY GUIDE**

Version 1.0

September 1997

(Revised August 2008)

Department of Veterans Affairs

VistA Health Systems Design & Development

##  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** |
| 08/08 | iii, 25, 33-34 | PSS\*1\*94 | Added Medication Routes and Administration Scheduling sections. Added PSSSCHED routine.REDACTED |
| 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.REDACTED |
| 09/06 | i, ii, 25 | PSS\*1\*108 | Pharmacy Re-Engineering (PRE) Encapsulation Cycle II project. Added routine PSS551 to the Routine List.REDACTED |
| 04/06 | i, 25 | PSS\*1\*90 | HIPAA NCPDP Global project. Added routines PSSDAWUT and PSSNDCUT to the Routine List.REDACTED |
| 04/06 | i, ii, 25 | PSS\*1\*106 | Pharmacy Re-Engineering (PRE) Encapsulation Cycle II project. Added routine PSS781 to the Routine List.REDACTED |
| 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.REDACTED |
| 03/05 | i, ii, 24a, 25, 29-31, 48 | PSS\*1\*87 | Laser Labels Phase II project. Added *Warning Builder* and *Warning Mapping* 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 *Pharmacy Re- Engineering (PRE) Application Program Interface (API) Manual* 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 *Send Entire Drug File to External Interface* [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 *Controlled Substances/PKI Reports* [PSS/PKI REPORTS] menu and four associated report options to the |

August 2008 Pharmacy Data Management V. 1.0 i

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Revised Pages** | **Patch Number** | **Description** |
|  |  |  | *Pharmacy Data Management* [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 PHARMACYORDERABLE ITEM file (#50.7) list and *Other Language Translation Setup* 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 *Drug Text File Report* option. Added routine PSSDTR in the Routines section. Added the *Drug Text File Report* 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. |

ii Pharmacy Data Management V. 1.0 August 2008

# Table of Contents

Introduction 1

Technical Manual. 3

Implementation and Maintenance 5

Work Flowchart for Creating and Matching Orderable Items 9

Steps in Creating the Pharmacy Orderable Item File 11

File List 13

Option Descriptions 17

[Routines 25](#_TOC_250007)

Exported Options 27

HL7 Messaging with an External System 32a

[Data Archiving and Purging 33](#_TOC_250006)

[Callable Routines/Entry Points/Application Program Interfaces (APIs). 33](#_TOC_250005)

[Medication Routes 33](#_TOC_250004)

[Administration Scheduling 33](#_TOC_250003)

[External Relations 34](#_TOC_250002)

[Internal Relations 34](#_TOC_250001)

[Package-Wide Variables 34](#_TOC_250000)

Package Requirements 35

Additional Information 37

Security Guide 43

Security Management 45

Mail Groups and Alerts 45

Remote Systems 45

Archiving/Purging 45

Contingency Planning 45

Interfacing 45

Electronic Signatures 45

Menus 47

Security Keys 49

File Security 51

References 53

Glossary 55

August 2008 Pharmacy Data Management V. 1.0 iii

*(This page included for two-sided copying.)*

iv Pharmacy Data Management V. 1.0 September 1997

# Routines

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 | 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 | 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 | PSSLOOK | PSSMARK | PSSMATCH | PSSMSTR | PSSNDCUT | PSSNOUNR |
| PSSNTEG | PSSOICT | PSSOICT1 | PSSOPKI | PSSOPKI1 | PSSORPH | PSSORPH1 |
| PSSORUTL | PSSOUTSC | PSSPKIPI | PSSPKIPR | PSSPNSRP | PSSPOI | PSSPOIC |
| PSSPOID1 | PSSPOID2 | PSSPOID3 | PSSPOIDT | PSSPOIKA | PSSPOIM | PSSPOIM1 |
| PSSPOIM2 | PSSPOIM3 | PSSPOIMN | PSSPOIMO | PSSPOST | PSSPOST1 | PSSPOST2 |
| PSSPOST5 | PSSPRE | PSSPRETR | PSSQORD | PSSREF | PSSREMCH | PSSSCHED |
| PSSSOLI1 | PSSSOLIT | PSSSPD | PSSSUTIL | PSSSYN | PSSUTIL | PSSUTLA1 |
| PSSUTLPR | PSSVIDRG | PSSVX6 | PSSVX61 | PSSVX62 | PSSVX63 | PSSVX64 |
| PSSVX65 | PSSVX66 | PSSWMAP | PSSWRNA | PSSWRNB | PSSWRNE | PSSYSP |

*(This page included for two-sided copying.)*

26 Pharmacy Data Management V. 1.0 September 1997

# 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 Agreement*s *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. 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 Agreement*s *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.

34 Pharmacy Data Management V. 1.0 August 2008 Technical Manual/Security Guide

PSS\*1\*94