PHARMACY DATA MANAGEMENT

USER MANUAL

Version 1.0
September 1997

(Revised August 2011)

Department of Veterans Affairs
Product 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
08/11	i-iii, 101- 101b, 102	PSS*1*163	Updated the Schedule/Reschedule Check PEPS Interface section • Updated overview of Schedule/Reschedule Check PEPS Interface • Updated the Schedule/Reschedule Check PEPS Interface example • Added a warning regarding the DEVICE FOR QUEUED JOB OUTPUT field • Added a blank page for two-sided copying REDACTED
04/11	i-iii, 3-4b, 7-16b, 44d-j, 114, 118, 121, 129, 137, 204-206	PSS*1*155	Utilized three new fields that were added to the VA PRODUCT file (#50.68) with PSN*4*261. The fields are used during the Match/Rematch process of the *Drug Enter/Edit* [PSS DRUG ENTER/EDIT] and the *Enter/Edit Dosages* [PSS EDIT DOSAGES] options to determine whether possible dosages should be auto-created for supra-therapeutic drugs. Retired the *Auto Create Dosages* [PSS DOSAGE CONVERSION] option and removed the option from the *Dosages* [PSS DOSAGES MANAGEMENT] menu. Updated Index. REDACTED
04/11	i, ii, iii, added iv, v; changed 3, 4, 45, 46; added 46a-46d, re-numbered all sections starting on page 87 and ending with page 106; changed page. 89; added 90e and 90f; changed 99-106; added 106a-b; deleted 107-112; changed 151, 153, 154; added 154a-b; updated index;	PSS*1*136 & PSS*1*117	Besides the developer's changes, this document incorporates the comments from REDACTED and colleagues for the PRE functionality included with patch PSS*1*117 (a combined patch with PSS*1*136). Sections changed are: • Changed overview of menu item descriptions to match application • Changed menu item description named ***Drug Interaction Management*** to ***Order Check Management*** and changed text • Changed submenu item ***Enter/Edit Local Drug Interaction*** [PSS-INTERACTION-LOCAL-ADD] to ***Request Changes to Enhanced Order Check Databas***e. [PSS ORDER CHECK CHANGES] and changed text. • Changed example in ***Report of Locally Entered Interactions*** option Section deleted: • Deleted ***Enhanced Order Checks Setup Menu*** and all its sub-menu items (*Find Unmapped Local*

Date	Revised Pages	Patch Number	Description
			Medication Routes; Map Local Medication Route to Standard; Medication Route Mapping Report; Medication Route File Enter/Edit; Medication Route Mapping History Report; Request Change to Standard Medication Route; Find Unmapped Local Possible Dosages; Map Local Possible Dosages; Local Possible Dosages Report; Strength Mismatch Report; Enter/Edit Dosages; Request Change to Dose Unit; Mark PreMix Solutions; IV Solution Report; Administration Schedule File Report; Medication Instruction File Report) The deleted Enhanced Order Checks Setup Menu and its submenus is replaced by the following addition: • Added ***PEPS Services*** menu and its submenus: *Check Vendor Database Link; Check PEPS Services Setup; and Schedule/Reschedule PEPS Interface* Added a heading for ***Stand-Alone Menu Options*** with the description for the *Enable/Disable Vendor Database Link* option and a short description for the *Other Language Translation Setup* option. Added definitions in the glossary for PECS and PEPS, and updated the index. REDACTED
04/11	i-ii, 38, 40, 62d-f, 64, 64a	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 Default Med Route For OI Report* [PSS DEF MED ROUTE OI RPT] option. REDACTED
02/11	i, 63	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. Updated TOC. Released with CPRS version 28. REDACTED
06/10	i, iii, 84, 84a-84b, 203, 205-206	PSS*1*143	Added new Schedule Validation Requirements. Updated Index. REDACTED
02/10	iii-iv, 3-4, 44a-d, 47-48, 61-62d, 89-90b, 112, 203-206	PSS*1*147	Described new process for requesting changes to Standard Medication Routes and the New Term Rapid Turnaround (NTRT) process; Added *IV Additive/Solution Reports* menu, with suboptions *IV Solution Report* option and *V Additive Report* [PSS IV ADDITIVE REPORT] option Added *Default Med Route for OI Report* option to the *Medication Routes Management...* menu.(this change was made but not documented with PSS*1*140) Updated *Drug Enter/Edit* option to display NUMERIC DOSE and DOSE UNIT fields defined for Local Possible Dosage Updated the Drug Enter/Edit option display to include the new ADDITIVE FREQUENCY field

Date	Revised Pages	Patch Number	Description
			Updated Table of Contents and Index REDACTED
10/09	i, 64a-b, 65, 65a-b, 66	PSS*1*141	Added ASSOCIATED IMMUNIZATION field to *Edit Orderable Items* option and *Dispense Drug/Orderable Item Maintenance* option. Reorganized content within sections to accommodate new information. REDACTED
08/09	iii-iv, 53, 62a-b, 63, 81, 203	PSS*1*140	Added DEFAULT MED ROUTE FOR CPRS field and *Default Med Route For OI Report* [PSS DEF MED ROUTE OI RPT] option for the enhancement of default medication route being defined for an orderable item. REDACTED
07/09	27-34	PSS*1*131	Added explanations of DEA special handling code U for sensitive drug. REDACTED
05/09	81	PSS*1*137	Added Automate CPRS Refill field to the *Pharmacy System Parameters Edit* [PSS MGR] option. REDACTED
02/09	All	PSS*1*129	Pages renumbered to accommodate added pages. Pharmacy Reengineering (PRE) V.0.5 Pre-Release. Restructured *Pharmacy Data Management* menu: - Grouped related options under the following new sub-menus: *Drug Text Management, Medication Instruction Management, Medication Routes Management,* and *Standard Schedule Management* - Added temporary *Enhanced Order Checks Setup Menu* - Added the following options: *Find Unmapped Local Medication Routes, Find Unmapped Local Possible Dosages, Map Local Medication Route to Standard, Map Local Possible Dosages, Mark PreMix Solutions, Request Change to Dose Unit*, and *Request Change to Standard Medication Route* - Added the following reports: *Administration Schedule File Report, IV Solution Report, Local Possible Dosages Report, Medication Instruction File Report, Medication Route Mapping Report, Medication Route Mapping History Report,* and *Strength Mismatch Report* - Updated Table of Contents, Index, and Glossary REDACTED
09/97			Original Release of User Manual

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```
   Therapeutic Duplication with CIMETIDINE 300MG TAB and RANITIDINE 150MG TAB
   Duplicate Therapy Class(es): Peptic Ulcer Agents,Histamine-2 Receptor
   Antagonists (H2 Antagonists)

Press Return to Continue:
Performing Dosing Order Check for ACETAMINOPHEN 500MG TAB - 3000MG Q4H...OK

   Single dose amount of 3000 MILLIGRAMS exceeds the maximum single dose amount
   of 1000 MILLIGRAMS.

   Total dose amount of 18000 MILLIGRAMS/DAY exceeds the dosing range of 320
   MILLIGRAMS/DAY to 4000 MILLIGRAMS/DAY.

Press Return to Continue:
Performing Custom Drug-Drug Interaction Order Check for CLARITHROMYCIN 250MG
TAB and DIAZEPAM 5MG TAB...OK

   Significant Drug Interaction: Serum concentrations of certain
   benzodiazepines may be increased enhancing their pharmacological effects.


Press Return to Continue:
```

Example 2: Vendor database unreachable; enhanced order checks cannot be executed.

```
Select PEPS Services Option: check
    1    Check PEPS Services Setup
    2    Check Vendor Database Link
CHOOSE 1-2: 1  Check PEPS Services Setup
Checking Vendor Database Connection...

    Connection could not be made to Vendor database.
       Last reached @MAR 02, 2010@11:44

Press Return to Continue:
```

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

The *Schedule/Reschedule Check PEPS Interface* 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. This must be scheduled so constant monitoring takes place on the Mocha Interface, to provide timely notification of any problems.

Please note that the next paragraph regarding the POSTMASTER is only applicable up until the installation of patch PSS*1.0*163, because PSS*1.0*163 includes functionality that will replace any Person's Internal Entry Number in the interface message that is not a whole number with the number 0 , because the interface will accept 0 as a valid number. PSS*1.0*163 will also do the same with Job Number, and Station Number (after stripping off any non-numeric characters). This conversion will also happen on all Order Check messages.

When scheduling this job, the person that is doing the scheduling must **NOT** have assumed the identity of the POSTMASTER, because the Internal Entry Number of the POSTMASTER is .5, and the decimal could cause the interface to fail, so this job would continue to fail until it is scheduled by another user other than POSTMASTER.

IMPORTANT:	A device must be entered in the DEVICE FOR QUEUED JOB OUTPUT field. If a device is not entered, then the job can result in a failure, generating the mail message indicating the Order Check system is not available, when the system really was never unavailable. Most sites have a "NULL" type entry in the DEVICE (#3.5) File, as that is the recommended device, since the tasked job does not write any data. Additionally, it is recommended that "Startup Persistent" be entered in the SPECIAL QUEUING field. This will queue the job to run whenever the TaskMan/computer is started (i.e., at System Boot), and will restart the task if it stops unexpectedly. If this type of restart does occur, the task could be set by Kernel to be run by POSTMASTER, which as stated in the previous paragraph could cause the job to fail. If this occurs, then someone would need to reschedule the job, with the identity of any user besides POSTMASTER. Also as stated a few paragraphs earlier, this POSTMASTER issue is resolved by patch PSS*1.0*163, by replacing .5 with a 0 in the interface message.

To check the link, start up the *PEPS Services Option Menu* [PSS PEPS SERVICES].

```
          Check Vendor Database Link
          Check PEPS Services Setup
          Schedule/Reschedule Check PEPS Interface

Select PEPS Services Option: Schedule/Reschedule Check PEPS Interface

                          Edit Option Schedule
    Option Name: PSS INTERFACE SCHEDULER
    Menu Text: Interface Scheduler                        TASK ID: 892595
  ------------------------------------------------------------------------------

  QUEUED TO RUN AT WHAT TIME: JAN 23,2011@14:25:41

DEVICE FOR QUEUED JOB OUTPUT: NULL DEVICE;P-DEC;80;64

 QUEUED TO RUN ON VOLUME SET:

      RESCHEDULING FREQUENCY: 900S

             TASK PARAMETERS:

            SPECIAL QUEUEING: Startup Persistent


------------------------------------------------------------------------------
Exit     Save     Next Page     Refresh

Enter a command or '^' followed by a caption to jump to a specific field.


COMMAND:                                        Press <PF1>H for help    Insert
```

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If the PEPS Interface is down, a priority mail message will be sent to the G.PSS ORDER CHECKS mail group. When the interface is back up again, another priority mail message will be sent to the G. PSS ORDER CHECKS mail group. Only *one* message per occurrence (interface being down or coming back up) is sent because the background job runs every 15 minutes.

Here is an example of the mail message when the database is down:

```
Subj: ORDER CHECK DATABASE DOWN  [#55252] 03/02/10@11:59  2 lines
From: PSS INTERFACE SCHEDULER  In 'IN' basket.  Automatic Deletion Date: Mar 30,
2010
---------------------------------------------------------------------------
Connection to Vendor Database is down!  No Drug-Drug Interactions, Duplicate
Therapy or Dosing Order Checks will be performed until the connection is
reestablished!!!

Enter message action (in IN basket): Ignore//
```

Here is an example of the mail message when the database is back up:

```
Subj: ORDER CHECK DATABASE IS BACK UP  [#57254] 08/15/10@02:44  2 lines
From: PSS INTERFACE SCHEDULER  In 'IN' basket.
Automatic Deletion Date: Aug 18, 2010   Page 1  Priority!
---------------------------------------------------------------------------
Connection to Vendor Database has been restored! Drug-Drug Interactions,
Duplicate Therapy and Dosing Order Checks can now be performed.

Enter message action (in IN basket): Ignore//
```