



PHARMACY DATA MANAGEMENT

USER MANUAL

Version 1.0
September 1997

(Revised February 2010)

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
02/10	iii-iv, 3-4, 44a-d, 47-48, 61-62d, 89-90b, 112, 203-206	PSS*1*147	<p>Described new process for requesting changes to Standard Medication Routes and the New Term Rapid Turnaround (NTRT) process;</p> <p>Added <i>IV Additive/Solution Reports</i> menu, with suboptions <i>IV Solution Report</i> option and <i>V Additive Report</i> [PSS IV ADDITIVE REPORT] option</p> <p>Added <i>Default Med Route for OI Report</i> option to the <i>Medication Routes Management...</i> menu.(this change was made but not documented with PSS*1*140)</p> <p>Updated <i>Drug Enter/Edit</i> option to display NUMERIC DOSE and DOSE UNIT fields defined for Local Possible Dosage</p> <p>Updated the Drug Enter/Edit option display to include the new ADDITIVE FREQUENCY field</p> <p>Updated Table of Contents and Index</p> <p>J.Freese, DM; K. Lowry, Tech. Writer</p>
10/09	i, 64a-b, 65, 65a-b, 66	PSS*1*141	<p>Added ASSOCIATED IMMUNIZATION field to <i>Edit Orderable Items</i> option and <i>Dispense Drug/Orderable Item Maintenance</i> option. Reorganized content within sections to accommodate new information.</p> <p>(R. Singer, DM; D. Dertien/R. Silverman, Tech Writer)</p>
08/09	iii-iv, 53, 62a-b, 63, 81, 203	PSS*1*140	<p>Added DEFAULT MED ROUTE FOR CPRS field and <i>Default Med Route For OI Report</i> [PSS DEF MED ROUTE OI RPT] option for the enhancement of default medication route being defined for an orderable item.</p> <p>(G. Tucker, PM; S. B. Scudder, Tech. Writer)</p>
07/09	27-34	PSS*1*131	<p>Added explanations of DEA special handling code U for sensitive drug.</p> <p>(M. Anthony, PM; C. Liles, Tech. Writer)</p>
05/09	81	PSS*1*137	<p>Added Automate CPRS Refill field to the <i>Pharmacy System Parameters Edit</i> [PSS MGR] option.</p> <p>(G. Tucker, PM; S. B. Scudder, Tech. Writer)</p>

Date	Revised Pages	Patch Number	Description
02/09	All	PSS*1*129	<p>Pages renumbered to accommodate added pages. Pharmacy Reengineering (PRE) V.0.5 Pre-Release.</p> <p>Restructured <i>Pharmacy Data Management</i> menu:</p> <ul style="list-style-type: none"> - Grouped related options under the following new sub-menus: <i>Drug Text Management, Medication Instruction Management, Medication Routes Management, and Standard Schedule Management</i> - Added temporary <i>Enhanced Order Checks Setup Menu</i> - Added the following options: <i>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</i> - Added the following reports: <i>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</i> - Updated Table of Contents, Index, and Glossary (G. Tucker, PM; V. Howell, Tech. Writer)
09/97			Original Release of User Manual


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Chapter One Pharmacy Data Management Options

The PDM options are listed below. Each of these options is explained in detail later in this user manual.

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
Drug Interaction Management ...
 Enter/Edit Local Drug Interaction
 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
Other Language Translation*

The *CMOP Mark/Unmark (Single drug)* option is displayed before the *Warning Builder* option in the PDM Main Menu. For documentation purposes, it is being left at the beginning of this menu.

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 Reports
IV Additive Report
IV Solution Report
Enhanced Order Checks Setup Menu ...
Find Unmapped Local 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
Warning Builder
Warning Mapping

*Other Language Translation Setup is a stand-alone option that must be assigned to the person(s) responsible for maintaining it.

NOTE: The *Enhanced Order Checks Setup Menu* added with patch PSS*1*129 will be deleted when Pharmacy Reengineering (PRE) Version 0.5 is installed.

Patch PSS*1*147 enhances the *Drug Enter/Edit* option to display the Numeric Dose and Dose Unit fields defined for Local Possible Dosages and allows editing of the new Additive Frequency field in the IV ADDITIVES file.

Example 1: Drug Enter/Edit Rematching of drug to NDF

```
Select Pharmacy Data Management Option: Drug Enter/Edit

Select DRUG GENERIC NAME: TIMOPTIC
Lookup: SYNONYM
  1 TIMOPTIC 0.25% TIMOLOL 0.25% OPTH SOL 10ML OP101
  2 TIMOPTIC 0.5% TIMOLOL 0.5% OPTH SOL 10ML OP101
CHOOSE 1-2: 2 TIMOLOL 0.5% OPTH SOL 10ML OP101

*****
This entry is marked for the following PHARMACY packages:
  Outpatient
  Unit Dose
  Non-VA Med
GENERIC NAME: TIMOLOL 0.5% OPTH SOL 10ML Replace <ENTER>
VA CLASSIFICATION: OP101// <ENTER>
DEA, SPECIAL HDLG: 6P// <ENTER>
DAW CODE: <ENTER>
.
.
.
PRICE PER DISPENSE UNIT: 6.060

points to TIMOLOL MALEATE 0.5% SOLN,OPH in the National Drug file.

This drug has already been matched and classified with the National Drug
file. In addition, if the dosage form changes as a result of rematching,
you will have to match/rematch to Orderable Item.

Do you wish to match/rematch to NATIONAL DRUG file? No// Y <ENTER> (Yes)

Deleting Possible Dosages...

LOCAL POSSIBLE DOSAGES:

1 DROP (Package -> 0)
2 DROP(S) (Package -> 0)

Delete these Local Possible Dosages? Y// NO

Local Possible Dosages not deleted.

Match local drug TIMOLOL 0.5% OPTH SOL 10ML
ORDER UNIT: BT
DISPENSE UNITS/ORDER UNITS: 1
DISPENSE UNIT:
I will try to match NDC: 6-3367-10 to NDF.

Local drug TIMOLOL 0.5% OPTH SOL 10ML
matches TIMOLOL MALEATE 0.5% SOLN,OPH
PACKAGE SIZE: 10 ML
PACKAGE TYPE: BOTTLE
Is this a match ?
Enter Yes or No: YES// <ENTER>
```

```

LOCAL DRUG NAME: TIMOLOL 0.5% OPTH SOL 10ML
                                ORDER UNIT: BT
                                DISPENSE UNITS/ORDER UNITS: 1
                                DISPENSE UNIT:

VA PRODUCT NAME: TIMOLOL MALEATE 0.5% SOLN,OPH
VA PRINT NAME: TIMOLOL MALEATE 0.5% OPH SOLN
VA DISPENSE UNIT: ML
    PACKAGE SIZE: 10 ML
    PACKAGE TYPE: BOTTLE
VA CLASS: OP101 BETA-BLOCKERS, TOPICAL OPHTHALMIC
CS FEDERAL SCHEDULE:
INGREDIENTS:
    TIMOLOL MALEATE 0.5 %
NATIONAL FORMULARY INDICATOR: YES
NATIONAL FORMULARY RESTRICTION:

CMOP ID: T0056
MARKABLE FOR CMOP: YES

< Enter "Y" for yes, "N" for no >

    Is this a match ? Y

You have just VERIFIED this match and MERGED the entry.

Resetting Possible Dosages..

Press Return to continue: <ENTER>

This drug has the following Local Possible Dosages:

1 DROP                                PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:

2 DROP(S)                              PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:

Do you want to merge new Local Possible Dosages? Y// NO
Just a reminder...you are editing TIMOLOL 0.5% OPTH SOL 10ML.

LOCAL POSSIBLE DOSAGES:
1 DROP                                PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:

2 DROP(S)                              PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:

Do you want to edit Local Possible Dosages? N// YES

This drug has the following Local Possible Dosages:

1 DROP                                PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:

2 DROP(S)                              PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:

Do you want to merge new Local Possible Dosages? Y// NO
.
.
.

```

Example 2: Editing Additive Frequency for IV Additive

```
Select Pharmacy Data Management Option:  Drug Enter/Edit

Select DRUG GENERIC NAME:      CIMETIDINE 150MG/ML MDV INJ (8ML)      GA301

      ..OK? Yes// <ENTER>  (Yes)
*****
This entry is marked for the following PHARMACY packages:
IV
Ward Stock
GENERIC NAME: CIMETIDINE 150MG/ML MDV INJ (8ML) Replace <ENTER>
VA CLASSIFICATION: GA301// <ENTER>
DEA, SPECIAL HDLG: <ENTER>
DAW CODE: <ENTER>
.
.
.
*****
This entry is marked for the following PHARMACY packages:
IV
Ward Stock

MARK THIS DRUG AND EDIT IT FOR:
O - Outpatient
U - Unit Dose
I - IV
W - Ward Stock
D - Drug Accountability
C - Controlled Substances
X - Non-VA Med
A - ALL

Enter your choice(s) separated by commas : I
                                           I - IV

** You are NOW editing IV fields. **

AN IV ITEM? Yes// <ENTER>  (Yes)
Edit Additives or Solutions:

      Select one of the following:

          A      ADDITIVES
          S      SOLUTIONS

Enter response: ADDITIVES
Select IV SOLUTIONS PRINT NAME:      CIMETIDINE

PRINT NAME: CIMETIDINE// <ENTER>
GENERIC DRUG: CIMETIDINE 150MG/ML MDV INJ (8ML)// <ENTER>
USED IN IV FLUID ORDER ENTRY: YES// <ENTER>
DRUG UNIT: MG// <ENTER>
NUMBER OF DAYS FOR IV ORDER: <ENTER>
USUAL IV SCHEDULE: <ENTER>
ADMINISTRATION TIMES: <ENTER>
Select QUICK CODE: <ENTER>
AVERAGE DRUG COST PER UNIT: <ENTER>
Select ELECTROLYTE: <ENTER>
Select SYNONYM: <ENTER>
DRUG INFORMATION: <ENTER>
1>
INACTIVATION DATE: <ENTER>
CONCENTRATION: <ENTER>
MESSAGE: <ENTER>
ADDITIVE FREQUENCY: ALL BAGS// <ENTER>
Edit Additives or Solutions: <ENTER>

      Select one of the following:
```

A ADDITIVES
S SOLUTIONS

Enter response:

1.5 Electrolyte File (IV) [PSSJI ELECTROLYTE FILE]

The *Electrolyte File (IV)* option allows the contents of the DRUG ELECTROLYTES file (#50.4) to be altered. This file contains the names of anions/cations and their concentration units. The file provides the ability for sites to enter intravenous (IV) orders for electrolytes as individual ingredients so that the IV label will print the total of individual electrolytes rather than the additive names. The ELECTROLYTES sub-file in the IV ADDITIVES file (#52.6) and IV SOLUTIONS file (#52.7) point to this Electrolyte file.

Example 1: Electrolyte File (Adding)

```
Select Pharmacy Data Management Option: Electrolyte File (IV)

Select DRUG ELECTROLYTES NAME: CHLORIDE      MEQ/ML
ARE YOU ADDING 'CHLORIDE' AS A NEW DRUG ELECTROLYTES (THE 9TH)? Y (YES)

DRUG ELECTROLYTES CONCENTRATION UNITS: MEQ/ML
NAME: CHLORIDE// <Enter>
CONCENTRATION UNITS: <Enter>
Select DRUG ELECTROLYTES NAME: <Enter>
```

Example 2: Electrolyte File (Deleting)

```
Select Pharmacy Data Management Option: Electrolyte File (IV)

Select DRUG ELECTROLYTES NAME: CHLORIDE
NAME: CHLORIDE// @
SURE YOU WANT TO DELETE THE ENTIRE 'CHLORIDE' DRUG ELECTROLYTES? Y (YES)
```

1.6 Lookup into Dispense Drug File [PSS LOOK]

The *Lookup into Dispense Drug File* option provides a lookup into the DRUG file (#50) and displays fields that are commonly edited. It is not possible to edit entries in the DRUG file (#50) from this option. Edits can be made through the use of the *Drug Enter/Edit* option. Patch PSS*1*61 ensures that the newly populated CS FEDERAL SCHEDULE field of the VA PRODUCT file (#50.68) is also included as part of the drug details in the *Lookup into Dispense Drug File* option. Patch PSS*1*147 adds the Numeric Dose and Dose Unit fields defined for Local Possible Dosages to the display.

Example 1: Lookup Drug

```
Select DRUG GENERIC NAME: TIMOLOL
 1  TIMOLOL MALEATE 0.25% OPH GEL          OP101      N/F      NATL N/F; 2.5 ML/TUBE
 2  TIMOLOL MALEATE 0.25% OPH SOLN        OP101      NATL REVIEW; 5 ML/BT (IEN)
 3  TIMOLOL MALEATE 0.5% OPH GEL          OP101      N/F      NATL N/F; 2.5 ML/TUBE (IEN)
 4  TIMOLOL MALEATE 0.5% OPH SOLN        OP101      NATL REVIEW; 5 ML/BT (IEN)
CHOOSE 1-4: 4 TIMOLOL MALEATE 0.5% OPH SOLN      OP101      NATL REVIEW;
5 ML/BT (IEN)
```

Example 1: Lookup Drug continued

```

=====
TIMOLOL MALEATE 0.5% OPH SOLN
=====
VA PRINT NAME:   TIMOLOL MALEATE 0.5% OPH SOLN          CMOP ID#: T0056
VA PRODUCT NAME: TIMOLOL MALEATE 0.5% SOLN,OPH          CMOP DISPENSE: NO
ORDERABLE ITEM:  TIMOLOL SOLN,OPH                      NDF DF: SOLN,OPH
ORDERABLE ITEM TEXT:

SYNONYM(S):     TIMOPTIC 0.5%                          Trade Name
                 T/5                                    Quick Code
                 T.5                                    Quick Code
                 024208032405                          Drug Accountability
                 1677                                    Quick Code

MESSAGE: NATL REVIEW; 5 ML/BT (IEN)
-----
DEA, SPECIAL HDLG: 6P                                NDC:          61314-227-05
DAW CODE: 5 - SUBSTITUTION ALLOWED-BRAND DRUG DISPENSED AS A GENERIC
CS FEDERAL SCHEDULE:
INACTIVE DATE:
QUANTITY DISPENSE MESSAGE: ML (5/BT)
WARNING LABEL SOURCE is set to 'NEW'
NEW WARNING LABEL:
22N For the eye.

Pharmacy fill card display: DRUG WARNING 22N
-----
ORDER UNIT:          BT          PRICE/ORDER UNIT:          1.45
DISPENSE UNIT:       ML          VA DISPENSE UNIT:          ML
DISPENSE UNITS/ORDER UNIT: 5          PRICE/DISPENSE UNIT:          0.2900
APPL PKG USE: Outpatient Unit Dose
STRENGTH:                               UNIT:
POSSIBLE DOSAGES:
LOCAL POSSIBLE DOSAGES:
  LOCAL POSSIBLE DOSAGE: 1 DROP          PACKAGE: IO
  BCMA UNITS PER DOSE: 1
  NUMERIC DOSE: 1          DOSE UNIT: DROP(S)
  LOCAL POSSIBLE DOSAGE: 2 DROPS        PACKAGE: IO
  BCMA UNITS PER DOSE: 1
  NUMERIC DOSE: 2          DOSE UNIT: DROP(S)
-----
VA CLASS: OP101 BETA-BLOCKERS, TOPICAL OPHTHALMIC
LOCAL NON-FORMULARY:          VISN NON-FORMULARY:
National Formulary Indicator: YES
National Restriction:
Local Drug Text:

```

Example 2: Lookup into Dispense Drug File

```

Select Pharmacy Data Management Option: LOOKUP INTO Dispense Drug File
Select DRUG GENERIC NAME: LOVASTATIN 20MG TAB CV350 N/F

RESTRICTED TO CARDIOLOGY SERVICE
LOVASTATIN 20MG TAB
=====
VA PRINT NAME: LOVASTATIN 20MG TAB CMOP ID#: L0060
VA PRODUCT NAME: LOVASTATIN 20MG TAB CMOP DISPENSE: YES
ORDERABLE ITEM: LOVASTATIN TAB (N/F) NDF DF: TAB
ORDERABLE ITEM TEXT:
Refer to PBM/MAP Hyperlipidemia treatment guidelines for use.
SYNONYM (S): MEVACOR Trade Name
MESSAGE: THIS IS RESTRICTED TO CARDIOLOGY SERVICE
-----
DEA, SPECIAL HDLG: 6 NDC: 000006-0731-82
CS FEDERAL SCHEDULE:
INACTIVE DATE:
QUANTITY DISPENSE MESSAGE: DISPENSE IN 30'S
WARNING LABEL: WITH FOOD
-----
ORDER UNIT: BT PRICE/ORDER UNIT: 50
DISPENSE UNIT: TAB VA DISPENSE UNIT: TAB

```

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

The *Request Change to Standard Medication Route* option was provided for users to request additions or changes to the STANDARD MEDICATION ROUTES file (#51.23). PSS*1*147 changes this option to now refer the requestor to a web site to make the request.

A list of all Standard Medication Routes and corresponding FDB Route mapping initially released with the PRE V.0.5 Pre-Release patch can be found in Appendix A of the *Pharmacy Reengineering (PRE) Version 0.5 Pre-Release Implementation Guide*. Since then, there have been additions pushed out by the New Term Rapid Turnaround (NTRT) process. For a complete listing use FileMan to print the NAME field (#.01) and FIRST DATABANK MED ROUTE field (#1) from the STANDARD MEDICATION ROUTES file (#51.23)

Example 1: Request Change to Standard Medication Route

```
Select Enhanced Order Checks Setup Menu Option: Request Change To Standard
Medication Route

Standard Medication Route requests must now be made at the following website:

    http://vista.med.va.gov/ntrt/

Press Return to continue:
```

Standard Medication Routes File Update Notifications

Updates to the Standard Medication Route File are made by the New Term Rapid Turnaround (NTRT) process. Patch PSS*1*147 provides MailMan notifications to the mail group PSS ORDER CHECKS when changes occur. The following changes will generate a notification:

- Inactivation of a standard medication route
- Reactivation of a standard medication route
- Addition of a new standard medication route
- Change (add/delete/modify) to a FDB medication route mapping
- Change (add/delete/modify) to a replacement route for a standard medication route

Changes to a standard medication route that can result in an unmapping of a local medication route are:

- Inactivation of a standard medication route
- Change (add/delete/modify) to an FDB Medication Route Mapping

If a local medication route that is marked for 'All Packages' is unmapped, the software will attempt to do an automatic remapping to an active standard medication route. If the unmapping occurred due to an inactivation of the standard medication route and a replacement route is provided, the local medication route will be remapped to the new standard replacement route. If no replacement route was provided in the update, a defined set of business rules will be used to attempt an automatic remapping to another standard medication route.

The MailMan message will include the reason for notification, what was updated and will also include any automatic mapping activities that occurred from the local Medication Routes file to the Standard Medication Routes file.

Example 1: Addition of New Standard Medication Route

```
Subj: Standard Medication Route File Update [#136380] 08/21/09@09:58 64 lines
From: STANDARD MEDICATION ROUTE FILE PROCESSOR In 'IN' basket. Page 1 *New*
```

The following entries have been added to the Standard Medication Routes (#51.23) File:

```
ENTERAL
  FDB Route: ORAL
```

The following entries have been inactivated in the Standard Medication Routes (#51.23) File:

(None)

The following entries have been reactivated in the Standard Medication Routes (#51.23) File:

(None)

The following entries in the Medication Routes (#51.2) File have been mapped/remapped to a Standard Medication Route (#51.23) File entry.

```
G-TUBE
  Previous Standard Route: ORAL
  New Standard Route: ENTERAL
```

PLEASE REVIEW, MAY REQUIRE YOUR ATTENTION!

The following entries in the Medication Routes (#51.2) File have been unmapped from a Standard Medication Route (#51.23) File entry.

(None)

The following entries in the Standard Medication Routes (#51.23) File have had changes to the associated First DataBank Med Route and/or Replacement Term.

(None)

The following entries in the Medication Routes (#51.2) File were to be mapped/remapped to a Standard Medication Route (#51.23) File entry, but could not occur because the Medication Route (#51.2) File entry was locked.

```
J-TUBE
  Current Standard Route: ORAL
  Recommend mapping to Standard Route: ENTERAL
```

The following entries in the Medication Routes (#51.2) File were to be unmapped from a Standard Medication Route (#51.23) File entry, but could not occur because the Medication Route (#51.2) File entry was locked.

(None)

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

Example 2: Inactivation of Standard Medication Routes; one with a Replacement Route and the other without

Subj: Standard Medication Route File Update [#136380] 08/21/09@09:58 64 lines
From: STANDARD MEDICATION ROUTE FILE PROCESSOR In 'IN' basket. Page 1 *New*

The following entries have been added to the Standard Medication Routes (#51.23) File:

INTRA-URETHRAL
FDB Route: INTRA-URETHRAL

The following entries have been inactivated in the Standard Medication Routes (#51.23) File:

URETHRAL
FDB Route: INTRA-URETHRAL
Replacement Term: INTRA-URETHRAL
Replacement Term FDB Route: INTRA-URETHRAL
INTRAVITREAL
FDB Route: INTRAVITREAL
Replacement Term: (None)
Replacement Term FDB Route: (None)

The following entries have been reactivated in the Standard Medication Routes (#51.23) File:

(None)

The following entries in the Medication Routes (#51.2) File have been mapped/remapped to a Standard Medication Route (#51.23) File entry.

URETHRAL
Previous Standard Route: URETHRAL
New Standard Route: INTRA-URETHRAL

PLEASE REVIEW, MAY REQUIRE YOUR ATTENTION!

The following entries in the Medication Routes (#51.2) File have been unmapped from a Standard Medication Route (#51.23) File entry.

INTRAVITREAL
Previous Standard Route: INTRAVITREAL
New Standard Route: (None)

The following entries in the Standard Medication Routes (#51.23) File have had changes to the associated First DataBank Med Route and/or Replacement Term.

(None)

The following entries in the Medication Routes (#51.2) File were to be mapped/remapped to a Standard Medication Route (#51.23) File entry, but could not occur because the Medication Route (#51.2) File entry was locked.

(None)

The following entries in the Medication Routes (#51.2) File were to be unmapped from a Standard Medication Route (#51.23) File entry, but could not occur because the Medication Route (#51.2) File entry was locked.

(None)

Example 3: Remapping and Unmapping could not occur due to locked file

Subj: Standard Medication Route File Update [#136380] 08/21/09@09:58 64 lines
From: STANDARD MEDICATION ROUTE FILE PROCESSOR In 'IN' basket. Page 1 *New*

The following entries have been added to the Standard Medication Routes (#51.23) File:

INTRA-URETHRAL
FDB Route: INTRA-URETHRAL

The following entries have been inactivated in the Standard Medication Routes (#51.23) File:

URETHRAL
FDB Route: INTRA-URETHRAL
Replacement Term: INTRA-URETHRAL
Replacement Term FDB Route: INTRA-URETHRAL
INTRAVITREAL
FDB Route: INTRAVITREAL
Replacement Term: (None)
Replacement Term FDB Route: (None)

The following entries have been reactivated in the Standard Medication Routes (#51.23) File:

(None)

The following entries in the Medication Routes (#51.2) File have been mapped/remapped to a Standard Medication Route (#51.23) File entry.

(None)

PLEASE REVIEW, MAY REQUIRE YOUR ATTENTION!

The following entries in the Medication Routes (#51.2) File have been unmapped from a Standard Medication Route (#51.23) File entry.

(None)

The following entries in the Standard Medication Routes (#51.23) File have had changes to the associated First DataBank Med Route and/or Replacement Term.

(None)

The following entries in the Medication Routes (#51.2) File were to be mapped/remapped to a Standard Medication Route (#51.23) File entry, but could not occur because the Medication Route (#51.2) File entry was locked.

URETHRAL
Current Standard Route: URETHRAL
Recommend mapping to Standard Route: INTRA-URETHRAL

The following entries in the Medication Routes (#51.2) File were to be unmapped from a Standard Medication Route (#51.23) File entry, but could not occur because the Medication Route (#51.2) File entry was locked.

INTRAVITREAL
Current Standard Route: INTRAVITREAL
New Standard Route: <delete mapping>

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

Example 4: Reactivated Standard Medication Route

Subj: Standard Medication Route File Update [#136380] 08/21/09@09:58 64 lines
From: STANDARD MEDICATION ROUTE FILE PROCESSOR In 'IN' basket. Page 1 *New*

The following entries have been added to the Standard Medication Routes (#51.23) File:

(None)

The following entries have been inactivated in the Standard Medication Routes (#51.23) File:

(None)

The following entries have been reactivated in the Standard Medication Routes (#51.23) File:

INTRADUCTAL
FDB Route: INTRADUCTAL

The following entries in the Medication Routes (#51.2) File have been mapped/remapped to a Standard Medication Route (#51.23) File entry.

(None)

PLEASE REVIEW, MAY REQUIRE YOUR ATTENTION!

The following entries in the Medication Routes (#51.2) File have been unmapped from a Standard Medication Route (#51.23) File entry.

(None)

The following entries in the Standard Medication Routes (#51.23) File have had changes to the associated First DataBank Med Route and/or Replacement Term.

INTRADUCTAL
Replacement Term: <deleted>

The following entries in the Medication Routes (#51.2) File were to be mapped/remapped to a Standard Medication Route (#51.23) File entry, but could not occur because the Medication Route (#51.2) File entry was locked.

(None)

The following entries in the Medication Routes (#51.2) File were to be unmapped from a Standard Medication Route (#51.23) File entry, but could not occur because the Medication Route (#51.2) File entry was locked.

(None)

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

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

The *Default Med Route for OI Report* option is listed on the *Medication Routes Management* [PSS MEDICATION ROUTES MGMT] menu. This report can be used to help identify the current default medication routes for the orderable items. The following is an example of the report.

DEFAULT MED ROUTE FOR ORDERABLE ITEM REPORT			JUN 17, 2009	PAGE 1
OI NAME	DOSAGE FORM	ASSOCIATED ROUTES	DEFAULT ROUTE	DRUG
IBERET	LIQUID	ORAL (BY MOUTH)		IBERET-500 ORAL
IBUPROFEN	TAB	ORAL (BY MOUTH)		IBUPROFEN 600MG
IDOXURIDINE	OINT, OPH	RIGHT EYE LEFT EYE BOTH EYES		IDOXURIDINE 0.5%
IMIPRAMINE	TAB	ORAL (BY MOUTH)		IMIPRAMINE 25MG IMIPRAMINE 50MG
INDOCYANINE	INJ, SOLN	INTRAMUSCULAR INTRAVENOUS	INTRAVENOUS	INDOCYANINE 25MG
INSULIN	INJ	INTRAMUSCULAR INTRAVENOUS ORAL SUBCUTANEOUS	INTRAVENOUS	INSULIN LENTE INSULIN NPH

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

This option sends updated information for every entry in the DRUG file (#50) to the external interface for Outpatient Pharmacy dispensing systems, using HL7 standard V. 2.4 messages. All entries are sent, regardless of how they are marked for Application Package Use.

To use this option, the following items must be set up properly in the OUTPATIENT SITE file (#59):

- In the AUTOMATED DISPENSE field (#105), the value should be set to **V. 2.4**. This enables sending data through the Interface Engine using HL7 V. 2.4 standard.
- In the ENABLE MASTER FILE UPDATE field (#105.2), the value should be set to **YES**.
- In the DISPENSE DNS NAME field (#2006), there should be some value defined. This value sends the DNS name of the dispensing system (for example, **dispensemachine1.vha.med.va.gov**) to the Interface Engine, so that the Interface Engine knows where to route the HL7 messages.

Example: Send Entire Drug File to External Interface

```
Select Pharmacy Data Management Option: PSS MASTER FILE ALL      Send Entire Drug File to
External Interface
Send Entire Drug File to External Interface
Press RETURN to continue...
```

The *Enhanced Order Checks Setup Menu* options are located here on the main menu. Because this menu will be removed when PRE V.0.5 is released, the descriptions have been moved to the end of this chapter (1.23).

1.18 IV Additive/Solution Reports [PSS ADDITIVE/SOLUTION REPORTS]

The *IV Additive/Solution Reports* option was created by Patch PSS*1*147 to provide an umbrella for all the options related to reviewing IV Additive and IV Solution data.

1.18.1 IV Additive Report

[PSS IV ADDITIVE REPORT]

Patch PSS*1*147 creates a new *IV Additive Report* option to display IV Additive information. A user can select to display only entries marked with '1 BAG/DAY' in the Additive Frequency field, or only those entries with nothing entered in the Additive Frequency field, or all entries can be displayed. The report will print the following data elements:

- Print Name
- Generic Drug
- Drug Unit
- Synonyms
- Pharmacy Orderable Item
- Inactivation Date
- Used in IV Fluid Order Entry
- Additive Frequency

If the user chooses to print only the IV Additives marked with '1 BAG/DAY' in the Additive Frequency field or those entries with nothing entered in the Additive Frequency field and none are found, the report will display 'No IV Additives marked as '1 BAG/DAY' or 'No IV Additives marked as null' respectively.

Example 1: User selects only IV Additives marked with no value in the Additive Frequency Field

```
Select IV Additive/Solution Reports Option: IV Additive Report

This report displays entries in the IV ADDITIVES (#52.6) File. You can select
to display only entries marked with '1 BAG/DAY' in the ADDITIVE FREQUENCY (#18)
Field, or only those entries with nothing entered in the ADDITIVE FREQUENCY
(#18) Field, or all entries can be displayed.

Select one of the following:

      1          Print entries marked as '1 BAG/DAY' for ADDITIVE FREQUENCY
      N          Print entries marked as Null for ADDITIVE FREQUENCY
      A          Print all IV Additives

Print which IV Additives: A// N Print entries marked as Null for ADDITIVE
FREQUENCY

This report is designed for 80 column format!

DEVICE: HOME//  <ENTER>

:
:
```

IV Additives marked as null for ADDITIVE FREQUENCY Page: 1

Print Name: CALCIUM GLUCONATE
Drug Unit: MEQ
Synonyms: CAGLUC
Generic Drug: CALCIUM GLUCONATE 1GM
Pharmacy Orderable Item: CALCIUM GLUCONATE INJ,SOLN
Inactivation Date:
Used in IV Fluid Order Entry: YES
Additive Frequency:

Print Name: POTASSIUM CHLORIDE
Drug Unit: MEQ
Synonyms: KCL
Generic Drug: POTASSIUM CL 2MEQ/ML (10ML) INJ
Pharmacy Orderable Item: POTASSIUM CHLORIDE INJ,SOLN
Inactivation Date:
Used in IV Fluid Order Entry: YES
Additive Frequency:

End of Report.

Example 2: User Selects Only IV Additives marked with '1BAG/DAY' in the Additive Frequency Field

Select IV Additive/Solution Reports Option: **IV Additive Report**

This report displays entries in the IV ADDITIVES (#52.6) File. You can select to display only entries marked with '1 BAG/DAY' in the ADDITIVE FREQUENCY (#18) Field, or only those entries with nothing entered in the ADDITIVE FREQUENCY (#18) Field, or all entries can be displayed.

Select one of the following:

1	Print entries marked as '1 BAG/DAY' for ADDITIVE FREQUENCY
N	Print entries marked as Null for ADDITIVE FREQUENCY
A	Print all IV Additives

Print which IV Additives: A// 1 Print entries marked as '1 BAG/DAY' for ADDITIVE FREQUENCY

This report is designed for 80 column format!

DEVICE: HOME// **<ENTER>**

IV Additives marked as '1 BAG/DAY' for ADDITIVE FREQUENCY Page: 1

No IV Additives marked as '1 BAG/DAY'.

End of Report.

Example 3: User selects all IV Additives

Select IV Additive/Solution Reports Option: **IV Additive Report**

This report displays entries in the IV ADDITIVES (#52.6) File. You can select to display only entries marked with '1 BAG/DAY' in the ADDITIVE FREQUENCY (#18) Field, or only those entries with nothing entered in the ADDITIVE FREQUENCY(#18) Field, or all entries can be displayed.

Select one of the following:

- 1 Print entries marked as '1 BAG/DAY' for ADDITIVE FREQUENCY
- N Print entries marked as Null for ADDITIVE FREQUENCY
- A Print all IV Additives

Print which IV Additives: A// <ENTER> Print all IV Additives

This report is designed for 80 column format!

DEVICE: HOME// <ENTER>

All IV Additives

Page: 1

Print Name: AMINOPHYLLINE
Drug Unit: MG
Synonyms:
Generic Drug: AMINOPHYLLINE 25MG/ML 20ML INJ
Pharmacy Orderable Item: AMINOPHYLLINE INJ,SOLN
Inactivation Date:
Used in IV Fluid Order Entry: YES
Additive Frequency: ALL BAGS

Print Name: CALCIUM GLUCONATE
Drug Unit: MEQ
Synonyms: CAGLUC
Generic Drug: CALCIUM GLUCONATE 1GM
Pharmacy Orderable Item: CALCIUM GLUCONATE INJ,SOLN
Inactivation Date:
Used in IV Fluid Order Entry: YES
Additive Frequency:

Print Name: HEPARIN
Drug Unit: UNITS
Synonyms:
Generic Drug: HEPARIN 10,000 UNITS 4ML
Pharmacy Orderable Item: HEPARIN INJ,SOLN
Inactivation Date:
Used in IV Fluid Order Entry: YES
Additive Frequency: ALL BAGS

Print Name: TRACE ELEMENTS
Drug Unit: ML
Synonyms:
Generic Drug: TRACE ELEMENTS 5ML INJ
Pharmacy Orderable Item: TRACE ELEMENTS INJ,CONC-SOLN
Inactivation Date:
Used in IV Fluid Order Entry: YES
Additive Frequency: 1 BAG/DAY

End of Report.

1.18.2 IV Solution Report [PSS IV SOLUTION REPORT]

The *IV Solution Report* option displays only IV solutions marked as PreMixes or all IV solutions.

The report will print the following data elements:

- Print Name
- Print Name {2}
- Volume
- Synonyms
- Generic Drug
- Pharmacy Orderable Item
- Inactivation Date
- Used in IV Fluid Order Entry
- PreMix

If the user chooses to print only the IV solutions marked as PreMixes and none are found the report will display 'No IV Solutions marked as PreMixes found.'

Example 1: User selects only solutions marked as PreMix

```
Select Enhanced Order Checks Setup Menu Option: IV SOLUTION Report

This report displays only those solutions in the IV Solutions (#52.7) File
that are marked as PreMix IV Solutions, or it displays all Solutions.

  Select one of the following:

      P          Print only IV Solutions marked as PreMix
      A          Print All IV Solutions

Print report for PreMix (P), or All IV Solutions (A): (P/A): Premix: P// <ENTER>
rint only IV Solutions marked as PreMix

  This report is designed for 80 column format!

DEVICE: HOME//  <ENTER>

Solution PreMix report for IV Solutions marked as PreMix                Page: 1
-----
      Print Name: DOPAMINE 400MG IN DEXTROSE 5%  Volume: 500 ML
      Print Name {2}:
      Synonyms: INTROPIN
                  DOPAMINE D5
      Generic Drug: DOPAMINE 400MG IN 5% DEXTROSE 500ML
      Pharmacy Orderable Item: DOPAMINE IN DEXTROSE 5% INJ,SOL
      Inactivation Date:
      Used in IV Fluid Order Entry: YES
                  Premix: YES

End of Report
```

Example 2: User Selects all IV Solutions

```
Select Enhanced Order Checks Setup Menu Option: IV Solution Report

This report displays only those solutions in the IV Solutions (#52.7) File
that are marked as PreMix IV Solutions, or it displays all Solutions.

  Select one of the following:
```

P Print only IV Solutions marked as PreMix
A Print All IV Solutions

Print report for PreMix (P), or All IV Solutions (A): (P/A): Premix: P// a Print All IV Solutions

This report is designed for 80 column format!

DEVICE: HOME// <ENTER>

Solution PreMix report for all IV Solutions

Page: 1

Print Name: 0.9% SODIUM CHLORIDE Volume: 100 ML
Print Name {2}:
Synonyms: 2673
Generic Drug: SODIUM CHLORIDE 0.9% 100ML
Pharmacy Orderable Item: SODIUM CHLORIDE INJ
Inactivation Date:
Used in IV Fluid Order Entry: YES
PreMix:

Print Name: 0.9% SODIUM CHLORIDE Volume: 50 ML
Print Name {2}:
Synonyms: 2672
Generic Drug: SODIUM CHLORIDE 0.9% 50ML
Pharmacy Orderable Item: SODIUM CHLORIDE INJ
Inactivation Date:
Used in IV Fluid Order Entry: YES
PreMix:

Print Name: 20% DEXTROSE Volume: 500 ML
Print Name {2}:
Synonyms:
Generic Drug: DEXTROSE 20% IN WATER 500ML
Pharmacy Orderable Item: DEXTROSE INJ,SOLN
Inactivation Date:
Used in IV Fluid Order Entry: YES
PreMix:

Print Name: METRONIDAZOLE 500MG IN NACL Volume: 100 ML
Print Name {2}:
Synonyms:
Generic Drug: METRONIDAZOLE 500MG/100ML NACL
Pharmacy Orderable Item: METRONIDAZOLE/SODIUM CHLORIDE INJ,SOLN
Inactivation Date:
Used in IV Fluid Order Entry: YES
PreMix: YES

End of Report.

1.21.11 Enter/Edit Dosages [PSS EDIT DOSAGES]

The *Enter/Edit Dosages* option has previously been described in this manual under the *Dosages* menu.

1.21.12 Request Change to Dose Unit [PSS DOSE UNIT REQUEST]

The *Request Change to Dose Unit* option has been described in this manual under the *Dosages* menu.

1.21.13 Mark PreMix Solutions [PSS MARK PREMIX SOLUTIONS]

The *Mark PreMix Solutions* option allows a user to quickly mark an IV Solution as a PreMix.

The following data fields can be edited:

- Print Name
- Print Name {2}
- Generic Drug
- Volume
- Inactivation Date
- Used in IV Fluid Order Entry
- PreMix

After successful edit of an entry, the user will be prompted to enter another IV Solution to edit. Press <ENTER>, to exit out of the option.

```
Select Enhanced Order Checks Setup Menu Option: MARK PreMix Solutions

Select IV SOLUTIONS PRINT NAME: HEP
  1  HEPARIN 1,000U/0.9% NS-2U/ML          500 ML
  2  HEPARIN 25,000U/D5W (50U/ML)        500 ML
  3  HEPARIN 25000 UNITS/0.45% NACL      250 ML
CHOOSE 1-3: 3 HEPARIN 25000 UNITS/0.45% NACL      250 ML

PRINT NAME: HEPARIN 25000 UNITS/0.45% NACL  Replace <ENTER>
PRINT NAME {2}: <ENTER>
GENERIC DRUG: HEPARIN 25,000 UNITS IN 0.45% NACL 250ML
// <ENTER>
VOLUME: 250 ML// <ENTER>
INACTIVATION DATE:
USED IN IV FLUID ORDER ENTRY: YES// <ENTER>
PREMIX: YES// <ENTER>

Select IV SOLUTIONS PRINT NAME:
```

1.21.14 IV Solution Report
[PSS IV SOLUTION REPORT]

The *IV Solution Report* option has been described in this manual under the IV Additive/Solution Reports menu option.

1.21.15 Administration Schedule File Report
[PSS SCHEDULE REPORT]

The *Administration Schedule File Report* option has been described in this manual under the *Standard Schedule Management* sub-menu.

1.21.16 Medication Instruction File Report
[PSS MED INSTRUCTION REPORT]

The *Medication Instruction File Report* option has been described in this manual under the *Medication Instruction Management* sub-menu.

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