PHARMACY DATA MANAGEMENT

RELEASE NOTES

PSS*1*189

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Department of Veterans Affairs
Product Development

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1. Introduction

This document provides a brief description of new features of the enhancements to the Pharmacy Safety Updates project which was established to address specific New Service Requests (NSRs) as well as some Remedy Tickets related to the VistA Pharmacy applications as approved by the Health Systems Enterprise Systems Manager (ESM) for PSS*1.0*189.

2. Enhancements

The Pharmacy Safety Updates project aims to enhance the algorithm that associates the appropriate IV additive to the correct orderable item and dosage strength property. This will ensure that patients receive the correct IV medications in the correct dosage strengths, improving patient safety and quality of care. The functional changes include extending the maximum 90 days supply limit, up to 365 days, **but not exceeding 'one year' of the total Rx.**, when processing selected medications or medical supply items that only come in units designed to last greater than the current 90 days supply in the Outpatient Pharmacy application.

- Allow Dispensing of Greater Than 90 Day Supply - The Outpatient Pharmacy and supporting VistA applications are being modified to allow dispensing of more than 90 day supply fill for outpatient prescriptions. The new limit will be 365 days and will be set for each drug individually.

- Allow the use of a STRENGTH Property to IV ADDITIVES and Premixed IV SOLUTIONS - Although patches PSJ*5*289 and PSS*1*174 introduced quite a few enhancements to the IV Additives and IV Solutions ordering functionality they did not go far enough in addressing all the issues originally in the NSR.

- Inactivate Pharmacy Standard Schedule - This enhancement is a conversion of an existing Class III software solution that permits an entry in the ADMINISTRATION SCHEDULE file (#51.1) to be marked as INACTIVE via the Standard Schedule Edit [PSS SCHEDULE EDIT] option.

- Update the Patient Medication Profile Bad Address Indicator display - The Outpatient Pharmacy medication profile has a display problem for a prescription with the following characteristics: 2-letter status (e.g., DC), drug marked for CMOP and Bad Address Indicator. When a prescription with all these three features is displayed, the DAY SUP column value is being truncated.

3. Associated Patches

The following patches are associated with this enhancement:

APPLICATION/VERSION	PATCH
OUTPATIENT PHARMACY (OP) V. 7.0	PSO*7*444
INTEGRATED BILLING (IB) V. 2.0	IB*2*545
PHARMACY DATA MANAGEMENT (PDM) V. 1.0	**PSS*1*189**
NATIONAL DRUG FILE (NDF) V. 4.0	PSN*4*429
INPATIENT MEDICATIONS (IM) V.5.0	PSJ*5*313

Patch PSS*1*189 must be installed before PSO*7*444 and PSJ*5*313. The following is the recommended sequence for the Pharmacy Safety Updates project patches.

1. PSS*1*189
2. PSO*7*444
3. PSJ*5*313
4. PSN*4*429
5. IB*2*545

4. Menu Options

The following existing menu options were enhanced to support this project:

- Edit Orderable Items [PSS EDIT ORDERABLE ITEMS]
- Drug Enter/Edit [PSS DRUG ENTER/EDIT]
- Dispense Drug/Orderable Item Maintenance [PSS MAINTAIN ORDERABLE ITEMS]
- Cancel/Edit/Add Patient Charges [IB CANCEL/EDIT/ADD CHARGES] option
    - Inpatient Order Entry [PSJ OE] option
    - Inquire to VA Product Info For Local Drug [PSNLOOK] option
    - Inquire to National Files [PSNACT] option
    - Patient Prescription Processing [PSO LM BACKDOOR ORDERS] option
    - Complete Orders From OERR [PSO LMOE FINISH] option
    - Edit Prescriptions [PSO RXEDIT] option
    - Count of Prescriptions [PSO MGMT REPORT RX COUNTS] option
    - Count of Prescriptions [PSO MGMT MONTHLY RX COUNTS] option
    - Primary Solution File (IV) [PSSJI SOLN] option
    - Lookup into Dispense Drug File [PSS LOOK] option
    - Standard Schedule Edit [PSS SCHEDULE EDIT] option
    - Administration Schedule File Report [PSS SCHEDULE REPORT] option

5. New Fields

The following new field was created for the DRUG File (#50):

- MAXIMUM DAYS SUPPLY (#66)

The following new field was created for the VA PRODUCT File (#50.68):

- MAXIMUM DAYS SUPPLY (#32)

The following new field was created for the ADMINISTRATION SCHEDULE File (#51.1)

- INACTIVE (#12)

6.   Pre and Post Install Routines

The following new routines were added and are temporary files created during Pre-Installation and Post-Installation:

- Pre-Install (PSS189EN)

  IV Solution Pre-Install Manual Clean-up (Environment Check routine) - An environment check routine will run before the patch is installed to ensure that an orderable item does not have more than one IV Solution with the same volume when they are marked YES to be used in the CPRS IV Fluid Order Entry. If at least one orderable item entry is found, the patch installation will be aborted and a Mailman message will be sent to all users holding the following security keys: PSIVMGR, PSJI MGR and PSNMGR. The message will contain a list of all orderable items that need to be cleaned up.

  Please note*

  The pre-installation environment check routine will only execute in production environments.

- Post-Install (PSS189PI)

  IV Solution Post-Install Automatic Clean-up (Post-install routine) - IV Solutions that are no longer used, meaning that the IV Solution and/or the Dispense Drug and/or the Orderable Item are marked INACTIVE will have the field USED IN IV FLUID ORDER ENTRY set to 'NO'. A list of such IV Solutions will be sent to all users holding the following security keys: PSIVMGR, PSJI MGR and PSNMGR. The message will contain a list of all IV Solutions that have been automatically updated

7.   Hardware Interfaces

Not Applicable

8.   Software Interfaces

Pharmacy Safety Updates require the following versions (or higher) of VA software packages for proper implementation. The software listed is not included in this build and must be installed for the build to be completely functional.

Table 1: Software Requirements

Application	Version
Inpatient Medications	5.0
Integrated Billing	2.0
Kernel	8.0
Mailman	7.1
National Drug File	4.0
Order Entry/Results Reporting	3.0

Application	Version
Outpatient Pharmacy	7.0
Pharmacy Data Management	1.0
RPC Broker (32-bit)	1.1
Toolkit	7.3
VA FileMan	22.0

9. User Documentation

Updated documentation describing the new functionality introduced by this patch is available.

The preferred method is to retrieve the files from the ANONYMOUS.SOFTWARE directory on download.vista.med.va.gov using secure file transfer protocol.
This transmits the files from the first available SFTP server.

Sites may also elect to retrieve files directly from a specific server as follows:

Albany	ftp.fo-albany.med.va.gov	<ftp://ftp.fo-albany.med.va.gov>
Hines	ftp.fo-hines.med.va.gov	<ftp://ftp.fo-hines.med.va.gov>
Salt Lake City	ftp.fo-slc.med.va.gov	<ftp://ftp.fo-slc.med.va.gov>

The documentation will be in the form of Adobe Acrobat files similar to the format and documents listed as examples below.

Documentation can also be retrieved from the VA Software Documentation Library (VDL) on the Internet at the following address: http://www4.va.gov/vdl.

Pharmacy Data Management User Manual, PSS_1_UM_R0616.pdf

Outpatient Pharmacy Pharmacist's User Manual, PSO_7_PHAR_UM_R0616.pdf

Inpatient Medications Pharmacist's User Manual, PSJ_5_PHARM_UM_R0616.pdf

Inpatient Medications Nurse's User Manual, PSJ_5_NUR_UM_R0616.pdf

Inpatient Medications Supervisor's Manual, PSJ_5_SUPR_UM_R0616.pdf

Pharmacy Data Management Release Notes, PSS_1_P189_RN.pdf

Pharmacy Data Management Installation Guide, PSS_1_P189_IG.pdf

10. New Service Request Tickets Resolved

The following New Service Request is associated with this patch:

- NSR 20111206 "Allow Dispensing of Greater Than 90 Day Supply within Outpatient Pharmacy

- NSR 20060601 Modification to Pharmacy Package to allow > 90 days fill

- NSR 20110308 Addition of a STRENGTH Property to IV ADDITIVES and Premixed IV SOLUTIONS

- NSR20080907 Inactivate Pharmacy Standard Schedule

11. Remedy Tickets Resolved

The following Remedy Tickets have been resolved with this patch:

- Remedy 387051 Patient Medication Profile Bad Address Indicator display problem

- Remedy 1050689 Additive strength not showing when processing IV orders in backdoor pharmacy
- Remedy 1049220-Outpatient Pharmacy - Electronic Prescribing of CS (ePCS)