Clinical Ancillary Services (CAS)
Development – Delivery of Pharmacy Enhancements (DDPE)
Inpatient Medication Administration - Transdermal

Installation Guide

Department of Veterans Affairs
December 2016
Version 1.0
## Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
<th>Description</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/6/16</td>
<td>0.8</td>
<td>Added updated Backout steps for PSB<em>3</em>83 and PSB<em>3</em>87.</td>
<td>REDACTED</td>
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<tr>
<td>07/29/16</td>
<td>0.7</td>
<td>Accepted track changes and added install instructions for OR<em>3</em>417.</td>
<td>REDACTED</td>
</tr>
<tr>
<td>03/10/16</td>
<td>0.6</td>
<td>Multiple modifications for content and appearance/clarification purposes.</td>
<td>REDACTED</td>
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<tr>
<td>03/03/16</td>
<td>0.5</td>
<td>Updated one roll back step</td>
<td>REDACTED</td>
</tr>
<tr>
<td>03/03/16</td>
<td>0.4</td>
<td>Updating install routine sections</td>
<td>REDACTED</td>
</tr>
<tr>
<td>03/02/16</td>
<td>0.3</td>
<td>More major modifications to content and TOC</td>
<td>REDACTED</td>
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<tr>
<td>01/13/16</td>
<td>0.2</td>
<td>Some more modifications</td>
<td>REDACTED</td>
</tr>
<tr>
<td>11/12/15</td>
<td>0.1</td>
<td>Initial draft.</td>
<td>REDACTED</td>
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Table of Contents

1. **Introduction** ........................................................................................................................................................................... 4

2. **System Requirements** .................................................................................................................................................................. 4
   2.1. Pre-Installation ....................................................................................................................................................................... 4
   2.2. Patch Installations .................................................................................................................................................................... 5
      2.2.1. Installation Instructions Overview ........................................................................................................................................ 6
      2.2.2. Installing PSS*1*191 ............................................................................................................................................................ 6
      2.2.3. Installing PSJ*5*315 ............................................................................................................................................................ 14
      2.2.4. Installing PSB*3*83 ............................................................................................................................................................ 19
      2.2.5. Installing OR*3*417 ............................................................................................................................................................ 23
      2.2.6. Installing PSB*3*87 (BCBU) ................................................................................................................................................ 24
   2.3. Download and Extract Procedure ........................................................................................................................................... 26
   2.4. Database Creation .................................................................................................................................................................... 26
   2.5. Installation Scripts .................................................................................................................................................................... 26
   2.6. Cron Scripts .............................................................................................................................................................................. 26
   2.7. System Configuration ............................................................................................................................................................... 26
   2.8. Database Tuning ....................................................................................................................................................................... 26

3. **Implementation** ......................................................................................................................................................................... 27

4. **Backout Procedure** .................................................................................................................................................................... 27
   4.1. Backout Strategy ....................................................................................................................................................................... 27
   4.2. Backout Considerations ........................................................................................................................................................... 27
   4.3. User Acceptance Testing .......................................................................................................................................................... 27
   4.4. Backout Criteria ...................................................................................................................................................................... 27
   4.5. Authority for Backout ............................................................................................................................................................... 27
   4.6. Automated Backout Steps ....................................................................................................................................................... 27
   4.7. Manual Backout Steps for PSB*3*83 and PSB*3*87 ...................................................................................................................... 30

5. **Rollback Procedure** .................................................................................................................................................................. 31
   5.1. Rollback Considerations .......................................................................................................................................................... 31
   5.2. Rollback Criteria ....................................................................................................................................................................... 31
   5.3. Rollback Risks .......................................................................................................................................................................... 31
   5.4. Authority for Rollback .............................................................................................................................................................. 31
   5.5. Rollback Procedure ................................................................................................................................................................. 32
1. Introduction
This document provides installation instructions for Clinical Ancillary Services (CAS) Development Delivery of Pharmacy enhancements (DDPE) Inpatient Medications Administration – Transdermal patches.

2. System Requirements
The following table lists the software elements for Inpatient Medications.

<table>
<thead>
<tr>
<th>Inpatient Medication Software Elements</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td></td>
</tr>
<tr>
<td>Adverse Reaction Tracking</td>
<td>4.0</td>
</tr>
<tr>
<td>Decision Support System</td>
<td>3.0</td>
</tr>
<tr>
<td>Inpatient Medications</td>
<td>5.0</td>
</tr>
<tr>
<td>Kernel</td>
<td>8.0</td>
</tr>
<tr>
<td>Laboratory</td>
<td>5.2</td>
</tr>
<tr>
<td>Mailman</td>
<td>8.0</td>
</tr>
<tr>
<td>National Drug File</td>
<td>4.0</td>
</tr>
<tr>
<td>Nursing</td>
<td>4.0</td>
</tr>
<tr>
<td>Order Entry/Results Reporting</td>
<td>3.0</td>
</tr>
<tr>
<td>Outpatient Pharmacy</td>
<td>7.0</td>
</tr>
<tr>
<td>Patient Information Management Systems</td>
<td>5.3</td>
</tr>
<tr>
<td>Pharmacy Data Management</td>
<td>1.0</td>
</tr>
<tr>
<td>RPC Broker (32-bit)</td>
<td>1.1</td>
</tr>
<tr>
<td>Toolkit</td>
<td>7.3</td>
</tr>
<tr>
<td>VA FileMan</td>
<td>22.0</td>
</tr>
</tbody>
</table>

2.1. Pre-Installation
The associated patches are the following and should be installed in the following order:

- PSS*1*191
- PSJ*5*315
- PSB*3*83
- OR*3*417
- PSB*3*87 (BCBU)
*** WARNING FOR ALL SITES CURRENTLY USING WMA ***
(Wireless Medication Administration) From CareFusion

The below 15 VAMC sites should not install patch PSB*3*83 until the site has confirmed they have received CareFusion's software update:

Pyxis Med Administration Verification VA v. 5.1

**REDACTED**
Installation of BCMA Patch PSB*3.0*83 may cause your WMA application to stop functioning as you would expect it to. In order for the WMA devices to work properly with PSB*3.0*83 installed, you must contact CareFusion, the WMA vendor, to obtain the most current version of the WMA software.

### 2.2. Patch Installations

The scope of this project, as defined by the PWS, is as follows:

1. The Clinical Ancillary Services Development – Delivery of Pharmacy Enhancements (CAS DDPE) Inpatient Medications Administration – Transdermal project provides a solution to address the errors in transdermal medication administration processes that have led to adverse patient events. The following features related to transdermal medications are needed by the business to avert these errors in the future by implementing the following capabilities within Inpatient Medications Administration/VistA:
   a. Create a mechanism to remind the user to “follow-up” on certain medications requiring additional steps in administration or assessment, e.g., alert the user to remove a transdermal medication at a specified time.
   b. Ensure previous statuses of multi-step medications appear in the Medication Administration History reports, e.g., the date and time a transdermal medication was applied or an intravenous fluid marked ‘infusing’ will remain visible after it has been marked ‘removed’ or ‘completed’, respectively.
   c. Enhance the current mechanism used to document and display the anatomic location of injectable medications to support transdermal medications. Implementation includes changing the terminology of “Injection site” throughout the applications including Inpatient Medication Administration and VistA. Any field names used to store or refer to “location” data within VistA shall be evaluated as to whether or not the terminology needs to be changed. For example, if the field in VistA is named “IV Location,” the name of the field is changed to simply “Location” so that when data from the field are pulled into reports, the field name will adequately reflect the updated contents.
   d. A change to any order involving a transdermal medication forces a misleading “remove patch” alert to appear. The Contractor shall change the software to
differentiate between a change and a discontinued order and display an appropriate, corresponding alert.

2.2.1. Installation Instructions Overview

************************************************************************ ATTENTION ****************************************

Clinical Ancillary Services (CAS) Development-Delivery of Pharmacy Enhancements (DDPE) VA Inpatient Medication Administration - Transdermal enhancement includes 5 patches, which must be installed in the following order:

1. PSS*1*191
2. PSJ*5*315
3. PSB*3*83
4. OR*3*417
5. PSB*3*87

ATTENTION: This enhancement also includes a new Graphical User Interface (GUI) executable, BCMA GUI PSB3_P083.EXE. Installation of this GUI is required immediately after the KIDS install for the Patch to function.

For retrieval and installation instructions, please see the Client Installation Instructions section.

************************************************************************

2.2.2. Installing PSS*1*191

Software being released as a host file and/or documentation describing the new functionality introduced by this patch are available, as follows.

The preferred method is to retrieve files from REDACTED. This transmits the files from the first available server. Sites may also elect to retrieve files directly from a specific server.

Sites may retrieve the software and/or documentation directly using Secure File Transfer Protocol (SFTP) from the ANONYMOUS.SOFTWARE directory at the following OI Field Offices:

REDACTED

THE FOLLOWING DOCUMENTATION SHOULD BE AVAILABLE AT THESE SITES:

PHARMACY DATA MANAGEMENT RELEASE NOTES
PSS_1_P191_RN.PDF BINARY

PHARMACY DATA MANAGEMENT TECHNICAL MANUAL/SECURITY GUIDE
PSS_1_TM_R0316_INPATIENT_Medications_TRANSDERMAL.PDF BINARY

PHARMACY DATA MANAGEMENT USER MANUAL
PSS_1_Um_R0316_INPATIENT_Medications_TRANSDERMAL_.PDF BINARY
**Patch Installation:**

**Pre/Post-Installation Overview:**
A post-installation routine PSS1P191 will run with this install and will be automatically deleted after installation. A second post-installation routine PSSP191A may be deleted after install, but will not delete automatically.

**Pre-Installation Instructions:**
This patch may be installed with users on the system, although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than 5 minutes to install.
Installation Instructions:

1. Choose the PackMan message containing this patch.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.

3. From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu, you may elect to use the following options. When prompted for the INSTALL NAME, enter the patch PSS*1.0*191:
   a. Backup a Transport Global - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
   b. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DDs, templates, etc.).
   c. Verify Checksums in Transport Global - This option will allow you to ensure the integrity of the routines that are in the transport global.

4. From the Installation Menu, select the Install Package(s) option and choose patch PSS*1.0*191 to install.

5. When prompted “Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//,” Respond Yes

6. When prompted “Want KIDS to INHIBIT LOGONs during the install? NO//,” Respond No

7. When prompted “Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//,” Respond No

Post-Installation Instructions
Check installing users email account. The post-install routine PSS1P191 will provide a list of Orderable Items that were updated during this process. This message will also be sent to all users holding the PSJI MGR and PSJU MGR keys. The update will note which Orderable Items with a Dosage Form that contains the word "PATCH" will be updated to a Prompt For Removal in BCMA value of 1 in order to preserve legacy behavior. The routine PSS1P191 will be deleted after installation.

The post-install via routine PSSP191A will also provide a list of orders tied to users holding the keys PSJ RPH and PSJU RPHARM in addition to the MGR keys. These Orderable Items indicate the approximate number of orders that will eventually need to be discontinued and re-created when the PSJ*5.0*315 patch is finally installed. No action should be taken on these orders until patch PSJ*5.0*315 is installed.
Another version of this report will be available on the Pharmacy Data Management [PSS MGR] menu. The routine PSSP191A should be deleted after the install. The recommendation is to edit the Orderable Items for Medications that Require Removal and set the appropriate value for the field Prompt for Removal in BCMA (#12). The new report installed on the Orderable Item Management [PSS ORDERABLE ITEM MANAGEMENT] menu will aid this process. Once this is done, a more accurate representation will be available of the number and type of orders that will need to be addressed upon install of PSJ*5.0*315.

Example of PSS*1*191 Installation

```
1      LOAD A DISTRIBUTION
2      VERIFY CHECKSUMS IN TRANSPORT GLOBAL
3      PRINT TRANSPORT GLOBAL
4      COMPARE TRANSPORT GLOBAL TO CURRENT SYSTEM
5      BACKUP A TRANSPORT GLOBAL
6      INSTALL PACKAGE(S)
      RESTART INSTALL OF PACKAGE(S)
      UNLOAD A DISTRIBUTION

SELECT INSTALLATION <TEST ACCOUNT> OPTION: 6  INSTALL PACKAGE(S)
SELECT INSTALL NAME:    PSS*1.0*191    12/1/15@10:54:33
=> PSS*1*191 TEST

THIS DISTRIBUTION WAS LOADED ON DEC 01, 2015@10:54:33 WITH HEADER OF
      PSS*1*191 TEST
      IT CONSISTED OF THE FOLLOWING INSTALL(S):
      PSS*1.0*191

CHECKING INSTALL FOR PACKAGE PSS*1.0*191

INSTALL QUESTIONS FOR PSS*1.0*191

INCOMING FILES:

   50.7      PHARMACY ORDERABLE ITEM (PARTIAL DEFINITION)
NOT:  YOU ALREADY HAVE THE 'PHARMACY ORDERABLE ITEM' FILE.

WANT KIDS TO REBUILD MENU TREES UPON COMPLETION OF INSTALL? YES//

WANT KIDS TO INHIBIT LOGONS DURING THE INSTALL? NO//
WANT TO DISABLE SCHEDULED OPTIONS, MENU OPTIONS, AND PROTOCOLS? NO//

ENTER THE DEVICE YOU WANT TO PRINT THE INSTALL MESSAGES.
YOU CAN QUEUE THE INSTALL BY ENTER A 'Q' AT THE DEVICE PROMPT.
ENTER A 'Q' TO ABORT THE INSTALL.
```
DEVICE: HOME/ ;;999 SSH VIRTUAL TERMINAL

INSTALL STARTED FOR PSS*1.0*191 :
Dec 01, 2015@10:56:06

BUILD DISTRIBUTION DATE: NOV 23, 2015

INSTALLING ROUTINES:
Dec 01, 2015@10:56:06

INSTALLING DATA DICTIONARIES:
Dec 01, 2015@10:56:06

INSTALLING PACKAGE COMPONENTS:

INSTALLING OPTION
Dec 01, 2015@10:56:06

RUNNING POST-INSTALL ROUTINE: `PSS1P191

==================================================================
QUEUING BACKGROUND JOB FOR PSS*1*191 POST INSTALL DIAGNOSTIC REPORT...
START TIME: Dec 01, 2015@10:56:08
A MAILMAN MESSAGE WILL BE SENT TO THE INSTALLER UPON POST INSTALL COMPLETION. THIS MAY TAKE AN HOUR.
==================================================================
*** TASK #8953082 QUEUED! ***

UPDATING ROUTINE FILE...

UPDATING KIDS FILES...

PSS*1.0*191 INSTALLED.
Dec 01, 2015@10:56:08

NOT A PRODUCTION UCI

NO INSTALL MESSAGE SENT

CALL MENU REBUILD

STARTING MENU REBUILD: Dec 01, 2015@10:56:10

COLLECTING PRIMARY MENUS IN THE NEW PERSON FILE...
### PRIMARY MENUS FOUND IN THE NEW PERSON FILE

<table>
<thead>
<tr>
<th>OPTION NAME</th>
<th>MENU TEXT</th>
<th># OF USERS</th>
<th>LAST USED</th>
<th>LAST BUILT</th>
</tr>
</thead>
<tbody>
<tr>
<td>XMUSER</td>
<td>MAILMAN MENU</td>
<td>9</td>
<td>10/24/97</td>
<td>12/01/15</td>
</tr>
<tr>
<td>EVE</td>
<td>SYSTEMS MANAGER MENU</td>
<td>214</td>
<td>11/30/15</td>
<td>12/01/15</td>
</tr>
<tr>
<td>PSO MANAGER</td>
<td>OUTPATIENT PHARMACY MANAGER</td>
<td>2</td>
<td>08/18/15</td>
<td>12/01/15</td>
</tr>
<tr>
<td>PSO USER1</td>
<td>PHARMACIST MENU</td>
<td>1</td>
<td>12/01/15</td>
<td></td>
</tr>
<tr>
<td>PSO USER2</td>
<td>PHARMACY TECHNICIAN'S MENU</td>
<td>3</td>
<td>07/26/96</td>
<td>12/01/15</td>
</tr>
<tr>
<td>PSO SUPERVISOR</td>
<td>SUPERVISOR FUNCTIONS</td>
<td>1</td>
<td></td>
<td>12/01/15</td>
</tr>
<tr>
<td>DGMGR</td>
<td>MAS MANAGER</td>
<td>1</td>
<td>12/11/96</td>
<td>12/01/15</td>
</tr>
<tr>
<td>PSJU MGR</td>
<td>UNIT DOSE MEDICATIONS</td>
<td>2</td>
<td>05/03/05</td>
<td>12/01/15</td>
</tr>
<tr>
<td>NURS-SYS-MGR</td>
<td>NURSING SYSTEM MANAGER'S ...</td>
<td>1</td>
<td>11/18/98</td>
<td>12/01/15</td>
</tr>
<tr>
<td>NURS-ADM</td>
<td>ADMINISTRATOR'S MENU</td>
<td>2</td>
<td></td>
<td>12/01/15</td>
</tr>
<tr>
<td>NURS-HN</td>
<td>HEAD NURSE'S MENU</td>
<td>1</td>
<td>11/30/90</td>
<td>12/01/15</td>
</tr>
<tr>
<td>LRLIASON</td>
<td>LAB LIAISON MENU</td>
<td>1</td>
<td>09/15/92</td>
<td>12/01/15</td>
</tr>
<tr>
<td>LRMENU</td>
<td>LABORATORY DHCP MENU</td>
<td>2</td>
<td>12/11/97</td>
<td>12/01/15</td>
</tr>
<tr>
<td>LRMARDM</td>
<td>WARD LAB MENU</td>
<td>1</td>
<td>05/06/99</td>
<td>12/01/15</td>
</tr>
<tr>
<td>YSUSER</td>
<td>MENTAL HEALTH</td>
<td>2</td>
<td>10/07/97</td>
<td>12/01/15</td>
</tr>
<tr>
<td>RA TECHMENU</td>
<td>RAD/NUC MED TECHNOLOGIST ...</td>
<td>1</td>
<td>10/16/90</td>
<td>12/01/15</td>
</tr>
<tr>
<td>MARCATH</td>
<td>CATH LAB MENU</td>
<td>1</td>
<td></td>
<td>12/01/15</td>
</tr>
<tr>
<td>RT OVERALL</td>
<td>RECORD TRACKING TOTAL SYS...</td>
<td>2</td>
<td>05/25/94</td>
<td>12/01/15</td>
</tr>
<tr>
<td>ZZWARD LAB/PHARM USER</td>
<td>WARD LAB/PHARMACY USER</td>
<td>1</td>
<td>07/18/94</td>
<td>12/01/15</td>
</tr>
<tr>
<td>FBAA MAIN MENU</td>
<td>FEE BASIS MAIN MENU</td>
<td>5</td>
<td>09/19/94</td>
<td>12/01/15</td>
</tr>
<tr>
<td>A3FSMBMGR</td>
<td>FSMB RD MENU</td>
<td>1</td>
<td></td>
<td>12/01/15</td>
</tr>
<tr>
<td>ZZOPTTEST</td>
<td>CASTLE POINT PSO ACTION P...</td>
<td>1</td>
<td>08/11/89</td>
<td>12/01/15</td>
</tr>
<tr>
<td>SROMENU</td>
<td>SURGERY MENU</td>
<td>15</td>
<td>10/22/15</td>
<td>12/01/15</td>
</tr>
<tr>
<td>ORMGR</td>
<td>CPRS MANAGER MENU</td>
<td>2</td>
<td>12/28/98</td>
<td>12/01/15</td>
</tr>
<tr>
<td>DVBA REGIONAL OFFICE MENU</td>
<td>A.M.I.E REGIONAL OFFICE M...</td>
<td>1</td>
<td>10/30/95</td>
<td>12/01/15</td>
</tr>
<tr>
<td>DVBA MASTER MENU</td>
<td>AMIE MASTER MENU</td>
<td>1</td>
<td></td>
<td>12/01/15</td>
</tr>
<tr>
<td>GECO GECS MAIN MENU</td>
<td>MISCELLANEOUS CODE SHEET ...</td>
<td>1</td>
<td>11/29/90</td>
<td>12/01/15</td>
</tr>
<tr>
<td>OE/RR MASTER MENU</td>
<td>OE/RR MASTER MENU</td>
<td>1</td>
<td>05/03/95</td>
<td>12/01/15</td>
</tr>
<tr>
<td>PHARMACY MASTER MENU</td>
<td>PHARMACY MASTER MENU</td>
<td>1</td>
<td>10/16/15</td>
<td>12/01/15</td>
</tr>
<tr>
<td>IB MANAGER MENU</td>
<td>INTEGRATED BILLING MASTER...</td>
<td>1</td>
<td></td>
<td>12/01/15</td>
</tr>
<tr>
<td>OR MAIN MENU NURSE</td>
<td>NURSE MENU</td>
<td>1</td>
<td>02/23/99</td>
<td>12/01/15</td>
</tr>
<tr>
<td>OR MAIN MENU WARD CLERK</td>
<td>WARD CLERK MENU</td>
<td>3</td>
<td>02/26/99</td>
<td>12/01/15</td>
</tr>
<tr>
<td>OR MAIN MENU CLINICIAN</td>
<td>CLINICIAN MENU</td>
<td>5</td>
<td>08/05/05</td>
<td>12/01/15</td>
</tr>
<tr>
<td>ARZ MASTER</td>
<td>ACCOUNTS RECEIVABLE MASTE...</td>
<td>2</td>
<td>10/26/95</td>
<td>12/01/15</td>
</tr>
<tr>
<td>VAQ (MENU) MAIN</td>
<td>PATIENT DATA EXCHANGE</td>
<td>1</td>
<td>12/22/95</td>
<td>12/01/15</td>
</tr>
<tr>
<td>PRSA EMP MENU</td>
<td>EMPLOYEE MENU</td>
<td>1</td>
<td>04/07/94</td>
<td>12/01/15</td>
</tr>
<tr>
<td>ZZCLIMAP</td>
<td>CLINICAL APPLICATIONS MA...</td>
<td>7</td>
<td>11/08/05</td>
<td>12/01/15</td>
</tr>
</tbody>
</table>
BUILDING SECONDARY MENU TREES....
MERGING.... DONE.

INSTALL COMPLETED

Example Mailman Messages Sent by Pre/post-Install Routine to Certain Keyholders:

First mail message sent:

SUBJ: PHARMACY ORDERABLE ITEM MANAGEMENT [#169339] 12/01/15@10:56 15 LINES
FROM: POSTMASTER IN 'IN' BASKET. PAGE 1
--------------------------------------------------------------------------------------------------------------------------
THE FOLLOWING ORDERABLE ITEMS HAVE THE DOSAGE FORM PATCH AND THE PROMPT FOR REMOVAL IN BCMA FIELD WAS UPDATED TO A VALUE OF 1 BY PATCH PSS*1*191

<table>
<thead>
<tr>
<th>ORDERABLE ITEM NAME</th>
<th>INACTIVE</th>
<th>DISPENSE DRUG NAME</th>
<th>IEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>---------------------</td>
<td>----------</td>
<td>--------------------</td>
<td>-----</td>
</tr>
</tbody>
</table>
Nicotine - Patch  None  Nicotine Pad  42
Nitroglycerin - Patch  None  Nitroglycerin Patches 10M  2313
                   None  Nitroglycerin Patches 15M  5029
                   None  Nitroglycerin Patches 5Mg  3785
Nitroglycerin 0.6mg S.L.T. - P  None  Nitroglycerin 0.6mg S.L.T  247

Enter message action (in in basket): IGNORE//

Second mail message sent:

SUBJ: PHARMACY ORDERABLE ITEM MANAGEMENT  [#169340] 12/01/15@10:56  14 LINES
FROM: POSTMASTER IN 'IN' BASKET. PAGE 1
-------------------------------------------------------------------------------
Active orders for medications requiring removal (MRR).
Prior to installation of PSJ*5*315 these orders should be
reviewed for planning purposes, but no action taken.
Once PSJ*5*315 is installed they will need to be discontinued
and re-entered after coordinating with your pharmacy ADPAC.
This report can be recalled from the PSS MGR menu.

Sorted by patient within ward
Pat    Patient     Orderable     Ord     MRR
ID LOC   Item Name  Sts   Val
-----  --------  ----------  ----  ---
B5555  7A GEN MED Nicotine Pad A  1

Total orders found: 1

Enter message action (in in basket): IGNORE//
2.2.3. Installing PSJ*5*315

Software being released as a host file and/or documentation describing the new functionality introduced by this patch are available as follows. The preferred method is to retrieve files from REDACTED. This transmits the files from the first available server. Sites may also elect to retrieve files directly from a specific server.

Sites may retrieve the software and/or documentation directly using Secure File Transfer Protocol (SFTP) from the ANONYMOUS.SOFTWARE directory at the following OI Field Offices:

REDACTED

THE FOLLOWING DOCUMENTATION SHOULD BE AVAILABLE AT THESE SITES:

INPATIENT MEDICATIONS NURSE'S USER MANUAL
PSJ_5_NURSE_UM_R0416.PDF BINARY

INPATIENT MEDICATIONS PHARMACIST'S USER MANUAL
PSJ_5_PHAR_UM_R0416.PDF BINARY

INPATIENT MEDICATIONS TECHNICAL MANUAL/ SECURITY GUIDE
PSJ_5_TM_R0416.PDF BINARY

Patch Installation:

Pre/Post-Installation Overview:
A post-installation routine PSJ15P315 will run with this install and will be automatically deleted after installation.

Pre-Installation Instructions:
This patch may be installed with users on the system, although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than five minutes to install. Patch PSS*1.0*191 is required to install this patch.

Installation Instructions:

1. Choose the PackMan message containing this patch PSJ*5.0*315.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.

3. From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu, you may elect to use the following options. When prompted for the INSTALL NAME enter the patch PSJ*5.0*315:
   a. Backup a Transport Global - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
   b. Compare Transport Global to Current System - This option will
allow you to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DDs, templates, etc.).

c. Verify Checksums in Transport Global - This option will allow you to ensure the integrity of the routines that are in the transport global.

4. From the Installation Menu, select the Install Package(s) option and choose the patch to install.

5. When prompted “Want KIDS to INHIBIT LOGONs during the install? NO/,” respond Yes

6. When prompted “Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO/,” respond No

Post-Installation Instructions:
Post-install routine QUE^PSJ5P315 checks for active MRR orders generated for Inpatient Medications and creates a report. This report will show orders that have been created for Orderable items with the "Prompt for removal in BCMA" value set to 1 or greater, but do not have the new File 55 fields containing removal information. This indicates that the orders are legacy orders and must be cancelled and re-ordered after the install of PSJ*5*315. This process is needed because, although the BCMA GUI application can display legacy orders as well as the new format, the combination of both displaying simultaneously on the same patient may cause confusion and should be avoided.

This report will be sent to all Pharmacists holding the keys PSJ RPH and PSJU RPHARM as well as the PSS MGR keys and can also be called manually from the PSS MGR menu using the "Orders for MRRs With Removal Properties" option.

Example of PSJ*5*315 Installation

| 1 | LOAD A DISTRIBUTION |
| 2 | VERIFY CHECKSUMS IN TRANSPORT GLOBAL |
| 3 | PRINT TRANSPORT GLOBAL |
| 4 | COMPARE TRANSPORT GLOBAL TO CURRENT SYSTEM |
| 5 | BACKUP A TRANSPORT GLOBAL |
| 6 | INSTALL PACKAGE(S) |
|   | RESTART INSTALL OF PACKAGE(S) |
|   | UNLOAD A DISTRIBUTION |

SELECT INSTALLATION <TEST ACCOUNT> OPTION: 6 INSTALL PACKAGE(S)
SELECT INSTALL NAME: PSJ*5.0*315 1/8/16@10:41:56
=> PSJ*5*315 TEST
Checking install for package PSJ*5.0*315

Install questions for PSJ*5.0*315

incoming files:

53.1 NON-VERIFIED ORDERS (PARTIAL DEFINITION)
Note: You already have the 'NON-VERIFIED ORDERS' file.

55 PHARMACY PATIENT (PARTIAL DEFINITION)
Note: You already have the 'PHARMACY PATIENT' file.

Want kids to inhibit logons during the install? NO//
Want to disable scheduled options, menu options, and protocols? NO//

Enter the device you want to print the install messages.
Enter a 'Q' at the device prompt to queue the install. Enter a '^' to abort the install.

Device: HOME// ;;999 SSH VIRTUAL TERMINAL

Install started for PSJ*5.0*315:
Jan 08, 2016@10:43:57

Build distribution date: Jan 05, 2016

Installing routines:
Jan 08, 2016@10:43:58

Running pre-install routine: QUE`PSJ5P315

Queuing background job for PSJ*5*315 pre install diagnostic report...
Start time: Jan 08, 2016@10:43:58
A mailman message will be sent to the installer upon post install completion. This may take an hour.

*** Task #213887 queued! ***

Installing data dictionaries:
Jan 08, 2016@10:44
INSTALLING PACKAGE COMPONENTS:

INSTALLING PROTOCOL

JAN 08, 2016@10:44

UPDATING ROUTINE FILE...

THE FOLLOWING ROUTINES WERE CREATED DURING THIS INSTALL:

PSGXR3
PSGXR31
PSGXR310
PSGXR311
PSGXR312
PSGXR313
PSGXR314
PSGXR32
PSGXR33
PSGXR34
PSGXR35
PSGXR36
PSGXR37
PSGXR38
PSGXR39
PSSJXR
PSSJXR1
PSSJXR10
PSSJXR11
PSSJXR12
PSSJXR13
PSSJXR14
PSSJXR15
PSSJXR16
PSSJXR17
PSSJXR18
PSSJXR19
PSSJXR2
PSSJXR20
PSSJXR21
PSSJXR22
PSSJXR23
PSSJXR24
PSSJXR25
PSSJXR26
PSSJXR27
PSSJXR28
PSSJXR29
PSSJXR3
PSSJXR30
PSSJXR31
PSSJXR32
PSSJXR33
PSSJXR34
PSSJXR4
PSSJXR5
Example Mailman Messages Sent by Pre/post-Install Routine to Certain Keyholders:

Mail message sent:

```
SUBJ: PHARMACY DATA MANAGEMENT  [#170758] 03/02/16@14:55  12 LINES
FROM: POSTMASTER  IN 'IN' BASKET.  PAGE 1  *NEW*
-------------------------------------------------------------------------------
ORDERS FOR MEDICATIONS REQUIRING REMOVAL (MRR) ACTIVE PRIOR TO
INSTALLATION OF PSJ*5*315. THESE ORDERS WILL NEED TO BE DISCONTINUED
AND RE-ENTERED AFTER COORDINATING WITH YOUR PHARMACY ADPAC.
THIS REPORT CAN BE RECALLED FROM THE PSS MGR MENU.

SORTED BY PATIENT WITHIN WARD

<table>
<thead>
<tr>
<th>PAT ID</th>
<th>PATIENT LOC</th>
<th>ORDERABLE ITEM NAME</th>
<th>ORDR STS</th>
<th>MRR VAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>-----</td>
<td>-----------</td>
<td>-------------------</td>
<td>-------</td>
<td>------</td>
</tr>
</tbody>
</table>

TOTAL ORDERS FOUND: 0

ENTER MESSAGE ACTION (IN IN BASKET): IGNORE//
```
2.2.4. Installing PSB*3*83

The software being released and/or documentation that describes the new functionality introduced by this patch are available from the below sites.

The preferred method is to retrieve files from REDACTED. This transmits the files from the first available server. Sites may also elect to retrieve files directly from a specific server.

Sites may retrieve the software and/or documentation directly using Secure File Transfer Protocol (SFTP) from the ANONYMOUS.SOFTWARE directory at the following OI Field Offices:

REDACTED

Patch Installation:

Pre-Installation Instructions:

**IMPORTANT** Inpatient menu options listed in the Installation Instructions section should be exited by all users prior to the install of the patches listed at the top of this Patch Description. Also, these menu options should be disabled during these installs.

This patch may be installed with users on the system, although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than 5 minutes to install.

Installation Instructions:

Client Installation Instructions:

The software distribution includes these modified files:

<table>
<thead>
<tr>
<th>FILE NAME</th>
<th>DESCRIPTION</th>
<th>FILE VERSION</th>
<th>BYTES</th>
<th>FTP MODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCMA.CHM</td>
<td>CLIENT HELP FILE</td>
<td></td>
<td>1,192 KB</td>
<td>BINARY</td>
</tr>
<tr>
<td>BCMA.EXE</td>
<td>CLIENT</td>
<td>3.0.83.42</td>
<td>3,112 KB</td>
<td>BINARY</td>
</tr>
<tr>
<td>BCMAPAR.CHM</td>
<td>PARAMETERS CLIENT HELP</td>
<td></td>
<td>376 KB</td>
<td>BINARY</td>
</tr>
<tr>
<td>BCMAPAR.EXE</td>
<td>PARAMETERS CLIENT</td>
<td>3.0.83.13</td>
<td>1,676 KB</td>
<td>BINARY</td>
</tr>
</tbody>
</table>

1. Prior client compatible with patch: NO
2. Client can be copied instead of installed: YES
3. Is your site running the CareFusion Wireless Medication Administration (WMA) software? If YES, please contact CareFusion to ensure your site has the latest compatible WMA patch.

If BCMA is currently running, please exit BCMA. This client installation patch file can be used to upgrade an existing version of BCMA, or can be used for a brand new installation.
1. Double Click on PSB3_0P83.EXE, which will launch the InstallShield Wizard.

2. When the “InstallShield Wizard Welcome” screen is displayed, click "Next".

3. On the “Choose Destination Location” screen, simply click "Next".

4. If you would like to change the destination folder to one other than default, click "Browse" to navigate to the folder of your choice. Click "Next".

5. On the "Setup Type" screen, select one of the following options:
   a. Typical - installs only the BCMA client program, which is necessary for medication administration.
   b. Complete - installs the BCMA client and the GUI BCMA site parameters definition program.
   c. Custom - allows you to select which programs to install. Typical is selected by default. Click "Next."

6. The “InstallShield Wizard Ready to Install the Program” screen will display. Click "Install" to proceed with the installation.

7. The “InstallShield Wizard Complete” screen will be displayed.

8. Click "Finish" and the BCMA installation is now complete.

VistA Patch Install Instructions

1. Choose the PackMan message containing this patch.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.

3. From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu, you may elect to use the following options. When prompted for the INSTALL NAME, enter PSB*3.0*83.
   a. Backup a Transport Global - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
   b. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DDs, templates, etc.).
   c. Verify Checksums in Transport Global - This option will allow you to ensure the integrity of the routines that are in the transport global.
1. From the Installation Menu, select the Install Package(s) option and enter the patch PSB*3.0*83.

2. When prompted "Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//," respond NO.

3. When prompted "Want KIDS to INHIBIT LOGONs during the install? NO//," respond NO.

4. When prompted "Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//," respond YES.

5. Disable the below menu option:
   a. PSJ OE.

6. If prompted "Delay Install (Minutes): (0 - 60): 0//," respond 0.

**Post-Installation Instructions:**

**Important**
Before running BCMA in a division, the user should run BCMA Site Parameters program. Specifically:
- Start BCMA Parameters client
- Menu File | Open
- Select Division
- The program will silently load the body chart background image to VistA for this Division. This image will be used by BCMA when the user is in the Dermal Site Needed / Injection Site Needed window and clicks Select from Body Diagram.

After these steps are completed, the user can run BCMA in that division.

**Example of PSB*3*83 MUMPS Patch Installation**

<table>
<thead>
<tr>
<th></th>
<th>LOAD A DISTRIBUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>VERIFY CHECKSUMS IN TRANSPORT GLOBAL</td>
</tr>
<tr>
<td>3</td>
<td>PRINT TRANSPORT GLOBAL</td>
</tr>
<tr>
<td>4</td>
<td>COMPARE TRANSPORT GLOBAL TO CURRENT SYSTEM</td>
</tr>
<tr>
<td>5</td>
<td>BACKUP A TRANSPORT GLOBAL</td>
</tr>
<tr>
<td>6</td>
<td>INSTALL PACKAGE(S)</td>
</tr>
<tr>
<td></td>
<td>RESTART INSTALL OF PACKAGE(S)</td>
</tr>
<tr>
<td></td>
<td>UNLOAD A DISTRIBUTION</td>
</tr>
</tbody>
</table>

**SELECT INSTALLATION <TEST ACCOUNT> OPTION: 6 INSTALL PACKAGE(S)**

**SELECT INSTALL NAME: PSB*3.0*83 3/2/16@17:01:48**

=> PSB*3*83 TEST

**THIS DISTRIBUTION WAS LOADED ON MAR 02, 2016@17:01:48 WITH HEADER OF PSB*3*83 TEST**
IT CONSISTED OF THE FOLLOWING INSTALL(S):
  PSB*3.0*83
CHECKING INSTALL FOR PACKAGE PSB*3.0*83

INSTALL QUESTIONS FOR PSB*3.0*83

INCOMING FILES:

  53.78 BCMA MEDICATION VARIANCE LOG (PARTIAL DEFINITION)
  NOTE: YOU ALREADY HAVE THE 'BCMA MEDICATION VARIANCE LOG' FILE.

  53.79 BCMA MEDICATION LOG (PARTIAL DEFINITION)
  NOTE: YOU ALREADY HAVE THE 'BCMA MEDICATION LOG' FILE.

WANT KIDS TO REBUILD MENU TREES UPON COMPLETION OF INSTALL? NO//
WANT KIDS TO INHIBIT LOGONS DURING THE INSTALL? NO//
WANT TO DISABLE SCHEDULED OPTIONS, MENU OPTIONS, AND PROTOCOLS? NO//

ENTER THE DEVICE YOU WANT TO PRINT THE INSTALL MESSAGES.
YOU CAN QUEUE THE INSTALL BY ENTER A 'Q' AT THE DEVICE PROMPT.
ENTER A 'V' TO ABORT THE INSTALL.

DEVICE: HOME// SSH VIRTUAL TERMINAL

----------------------------------------------
INSTALL STARTED FOR PSB*3.0*83 :
  MAR 02, 2016@17:03:25

BUILD DISTRIBUTION DATE: MAR 02, 2016

INSTALLING ROUTINES:
  MAR 02, 2016@17:03:26

INSTALLING DATA DICTIONARIES:
  MAR 02, 2016@17:03:26

INSTALLING PACKAGE COMPONENTS:

INSTALLING FORM

INSTALLING REMOTE PROCEDURE

INSTALLING OPTION

INSTALLING PARAMETER DEFINITION

INSTALLING PARAMETER TEMPLATE
  MAR 02, 2016@17:03:27

RUNNING POST-INSTALL ROUTINE: EN’PSB3P83

UPDATING ROUTINE FILE...

UPDATING KIDS FILES...

PSB*3.0*83 INSTALLED.
  MAR 02, 2016@17:03:27

INSTALL COMPLETED
2.2.5. Installing OR*3*417

The change made by OR*3*417 is in support of requirements for patch PSB*3.0*83. All the patches in this group should be installed prior to patch OR*3.0*417.

The change will add a line to the Order Details report and the Medication Administration History Report in the Computerized Patient Record System (CPRS). These reports will display the Removal times for Medications that Require Removal (MRRs).

Documentation and Software Retrieval Instructions:
Updated documentation describing the new functionality and installation instructions introduced by this patch are available.

Files can be obtained from the ANONYMOUS.SOFTWARE directory at one of the OI Field Offices. The preferred method is to retrieve the file using Secure File Transfer Protocol (SFTP) from REDACTED, which will transmit the file from the first available server. Alternatively, sites may elect to retrieve the file from a specific OI Field Office.

<table>
<thead>
<tr>
<th>OI FIELD OFFICE</th>
<th>FTP ADDRESS</th>
<th>DIRECTORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>REDACTED</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Documentation can also be found on the VA Software Documentation Library at: http://www4.va.gov/vdl/

Patch Installation:

Pre/Post Installation Overview:

Pre-Installation Instructions:
This patch may be installed with users on the system, although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than 5 minutes to install. Patches PSS*1.0*191, PSJ*5.0*315 and PSB*3.0*83 should all be installed in listed order prior to install of OR*3.0*417. Patch PSB*3.0*87 is an optional patch for Barcode Medication Administration Backup sites.

Installation Instructions:

1. Choose the PackMan message containing this patch.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.
3. From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu, you may elect to use the following options. When prompted for the INSTALL NAME enter the patch OR*3.0*417:
   a. Backup a Transport Global - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
   b. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DDs, templates, etc.).
   c. Verify Checksums in Transport Global - This option will allow you to ensure the integrity of the routines that are in the transport global.

4. From the Installation Menu, select the Install Package(s) option and choose the patch to install.

5. If prompted "Want KIDS to INHIBIT LOGONs during the install? NO/", Respond "No"

6. If prompted "Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO/", Respond "No"

7. If prompted "Delay Install (Minutes): (0 - 60): 0/", Respond "0"

Post-Installation Instructions:
There are no installation routines with this patch. No further action required.

Routine Information:
The second line of each of these routines now looks like:
\"3.0;ORDER ENTRY/RESULTS REPORTING;**[Patch List]**;Dec 17, 1997;Build 10\n
The checksums below are new checksums, and can be checked with CHECK1^XTSUMBLD.

Routine Name: ORQ21
   Before: B35534512   After: B37800373  **141,190,195,215,243,361,350,417**

Routine list of preceding patches: 350

2.2.6. Installing PSB*3*87 (BCBU)
The software being released as a host file introduced by this patch is available from the below sites.

The preferred method is to retrieve files from REDACTED. This transmits the files from the first available server. Sites may also elect to retrieve files directly from a specific server.
Sites may retrieve the software and/or documentation directly using Secure File Transfer Protocol (SFTP) from the ANONYMOUS.SOFTWARE directory at the following OI Field Offices when patch is released.

REDACTED

REDACTED

The KIDS build is distributed by the host file named:

PSB_3_87.KID

Patch Installation:

Pre-Installation Instructions:

Installation Instructions:
Do not queue this patch to install at a later time nor install this patch while BCMA users are on the system. Installation will take no longer than five minutes.

Suggested time to install: non-peak requirement hours.

1. From the Kernel Installation & Distribution System menu, select the LOAD DISTRIBUTION option and load the host file PSB_3_87.KID

2. From the Kernel Installation & Distribution System Menu, select the INSTALLATION Menu. From this menu, you may elect to use the following options. When prompted for the INSTALL NAME, enter PSB*3*87.
   a. Verify Checksums in Transport Global - This option will allow you to ensure the integrity of the routines that are in the transport global.
   b. Print Transport Global - This option will allow you to view the components of the KIDS build.
   c. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DD's, templates, etc.).
   d. Backup a Transport Global - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DD's or templates.

3. Use the Install Package(s) option and select the package PSB*3.0*87.

4. When prompted “Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//,” respond NO.
5. When Prompted "Want KIDS to INHIBIT LOGONs during the install? NO//," respond NO.

6. When Prompted "Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//," respond NO.

Post-Installation Instructions
It is recommended that the backup system workstations be re-initialized after the install of this patch. It is also recommended to limit the number of workstations being initialized to no more than 4 at a time, so as to limit the impact to your network’s speed.

Use one of the below VistA menu options, depending on your Site’s configuration, for the BCMA Backup System.

<table>
<thead>
<tr>
<th>SELECT OPTION NAME:</th>
<th>PSB BCBU VISTA MAIN</th>
<th>BCMA BACKUP SYSTEM (VISTA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSB BCBU VISTA MAIN</td>
<td>BCMA BACKUP SYSTEM</td>
<td></td>
</tr>
<tr>
<td>DFT</td>
<td>DEFAULT WORKSTATION</td>
<td></td>
</tr>
<tr>
<td>DIV</td>
<td>DIVISIONAL WORKSTATION</td>
<td></td>
</tr>
<tr>
<td>USR</td>
<td>INITIALIZE A BACKUP WORKSTATION WITH BCMA USERS</td>
<td></td>
</tr>
</tbody>
</table>

2.3. Download and Extract Procedure
N/A

2.4. Database Creation
N/A

2.5. Installation Scripts
N/A

2.6. Cron Scripts
N/A

2.7. System Configuration
N/A

2.8. Database Tuning
N/A
3. Implementation

Implementation steps and procedures were described above by installing the patches in the order referenced and following each patches specific installation instructions.

Important reminders:

The post install mailman messages sent by patch PSS*1*191 point to Orderable items that need file maintenance prior to implementing the full functionality of this project.

The post install mailman message sent by PSJ *5*315 post install also lists Orders that need to be re-entered to work correctly with the new functionality in BCMA Client.

4. Backout Procedure

Backout pertains to a return to the last known good operational state of the software and appropriate platform settings.

4.1. Backout Strategy

See section 4.6.

4.2. Backout Considerations

4.3. User Acceptance Testing

User Acceptance Testing is in progress.

4.4. Backout Criteria

The project is canceled and the implemented features are no longer wanted by the stakeholders.

4.5. Authority for Backout

The authority would come from the IPT and the VA project manager.

4.6. Automated Backout Steps

The normal recommended process for backout is an automated process to enforce section 4.4 Backout Criteria requirements.

In the event that a backout of code was needed for all Transdermal patches, a patch would be developed to remove all components added by patches PSS*1*191, PSJ*5*315, PSB*3*83 and PSB*3*87. This patch would restore existing routines to their prior state.

The following components would be backed out by the new patch:

Menu Options:

<table>
<thead>
<tr>
<th>OPTION</th>
<th>NAME</th>
<th>TYPE</th>
<th>NEW/MODIFIED/DELETED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ORDERABLE ITEM MANAGEMENT
[PSS ORDERABLE ITEM MANAGEMENT] MENU MODIFIED

ORDERABLE ITEMS THAT REQUIRE
REMOVAL REPORT [PSS MRR
ORDERABLE ITEMS RPT] ROUT NEW

ORDERABLE ITEMS REPORT FOR HIGH
RISK/HIGH ALERT [PSS HR/HA
ORDERABLE ITEMS RPT] ROUT NEW

PHARMACY DATA MANAGEMENT
[PSS MGR] MENU MODIFIED

ORDERS FOR MRRS WITH REMOVAL
PROPERTIES [PSS MRR ORDERS
DIAGNOSTIC RPT] ROUT NEW

Files & Fields Associated:

<table>
<thead>
<tr>
<th>File Name (#)</th>
<th>Field Name (#)</th>
<th>New/Modified/Deleted</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORDERABLE ITEM (#50.7)</td>
<td>PROMPT FOR REMOval IN BCMA (#12)</td>
<td>NEW</td>
</tr>
<tr>
<td>NON-VERIFIED ORDERS (#53.1)</td>
<td>DURATION OF ADMINISTRATION (#137)</td>
<td>NEW</td>
</tr>
<tr>
<td>NON-VERIFIED ORDERS (#53.1)</td>
<td>REMOVE TIMES (#138)</td>
<td>NEW</td>
</tr>
<tr>
<td>NON-VERIFIED ORDERS (#53.1)</td>
<td>REMOVE PERIOD (#139)</td>
<td>NEW</td>
</tr>
<tr>
<td>NON-VERIFIED ORDERS (#53.1)</td>
<td>BCMA PROMPT FOR REMOval FLAG (#140)</td>
<td>NEW</td>
</tr>
<tr>
<td>PHARMACY PATIENT (#55)</td>
<td>DURATION OF ADMINISTRATION (#137)</td>
<td>NEW</td>
</tr>
<tr>
<td>PHARMACY PATIENT (#55)</td>
<td>REMOVE TIMES (#138)</td>
<td>NEW</td>
</tr>
<tr>
<td>PATIENT PHARMACY (#55)</td>
<td>REMOVE PERIOD (#139)</td>
<td>NEW</td>
</tr>
<tr>
<td>PHARMACY PATIENT (#55)</td>
<td>BCMA PROMPT FOR REMOval FLAG (#140)</td>
<td>NEW</td>
</tr>
<tr>
<td>PHARMACY PATIENT (#55)</td>
<td>DURATION OF ADMINISTRATION (#137)</td>
<td>NEW</td>
</tr>
<tr>
<td>BCMA MEDICATION LOG (53.79)</td>
<td>SCHEDULED REMOval TIME (.17)</td>
<td>NEW</td>
</tr>
<tr>
<td></td>
<td>DERMAL SITE (.18)</td>
<td>NEW</td>
</tr>
<tr>
<td></td>
<td>ACTION DATE/TIME (.06)</td>
<td>MOD</td>
</tr>
<tr>
<td></td>
<td>SCHEDULED ADMINISTRATION TIME (.13)</td>
<td>MOD</td>
</tr>
<tr>
<td>SUBFILE:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DISPENSE DRUG (53.795)</td>
<td>PROMPT FOR REMOval IN BCMA (.06)</td>
<td>NEW</td>
</tr>
<tr>
<td>BCMA MEDICATION VARIANCE LOG</td>
<td>EVENT (.05)</td>
<td>MOD</td>
</tr>
<tr>
<td>(53.78)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADD A NEW CODE TO THE SET</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OF CODES FOR THE EVENT FIELD:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:EARLY/LATE REMOVE</td>
<td></td>
<td>NEW</td>
</tr>
<tr>
<td>BCMA BACKUP DATA (#53.7)</td>
<td>ORDER NUMBER (#9)</td>
<td>MODIFIED</td>
</tr>
</tbody>
</table>

Inpatient Medication Administration - Transdermal Installation Guide 28 December 2016
<table>
<thead>
<tr>
<th>ORDER NUMBER (#53.702)</th>
<th>REMOVE TIMING (#7.4)</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>DURATION OF ADMINISTRATION (#7.5)</td>
<td>NEW</td>
<td></td>
</tr>
<tr>
<td>MED LOG DATE/TIME</td>
<td>ASSOC. MED LOG GIVE DATE/TIME (#4)</td>
<td>NEW</td>
</tr>
<tr>
<td>(#53.70213)</td>
<td>ASSOC. MED LOG GIVE ENTERED BY (#5)</td>
<td>NEW</td>
</tr>
<tr>
<td></td>
<td>ASSOC. MED LOG GIVE STATUS MSG (#6)</td>
<td>NEW</td>
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</table>

**Remote Procedure Calls Associated:**

<table>
<thead>
<tr>
<th>RPC NAME</th>
<th>NEW/MODIFIED/DELETED</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSB COVERSHEET1</td>
<td>MODIFIED</td>
</tr>
<tr>
<td>PSB GETINJECTIONSITE</td>
<td>MODIFIED</td>
</tr>
<tr>
<td>PSB GETORDERTAB</td>
<td>MODIFIED</td>
</tr>
<tr>
<td>PSB GETSETWP</td>
<td>NEW</td>
</tr>
<tr>
<td>PSB MED LOG LOOKUP</td>
<td>MODIFIED</td>
</tr>
<tr>
<td>PSB TRANSACTION</td>
<td>MODIFIED</td>
</tr>
<tr>
<td>PSB VALIDATE ORDER</td>
<td>MODIFIED</td>
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</table>

**Parameters Associated:**

<table>
<thead>
<tr>
<th>PARAMETER NAME</th>
<th>NEW/MODIFIED/DELETED</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSB AL GROUPS</td>
<td>NEW</td>
</tr>
<tr>
<td>PSB AL IMAGE GENERAL</td>
<td>NEW</td>
</tr>
<tr>
<td>PSB AL IMAGES</td>
<td>NEW</td>
</tr>
<tr>
<td>PSB AL MASTER LIST</td>
<td>NEW</td>
</tr>
<tr>
<td>PSB LIST ANATOMIC LOCATIONS</td>
<td>NEW</td>
</tr>
<tr>
<td>PSB LIST BODY SITES</td>
<td>NEW</td>
</tr>
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</table>

**Templates Associated:**

<table>
<thead>
<tr>
<th>TEMPLATE NAME</th>
<th>TYPE</th>
<th>FILE NAME (NUMBER)</th>
<th>NEW/MODIFIED/DELETED</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSB DIVISION</td>
<td>KERNEL</td>
<td>PARAMETER TEMPLATE (#8989.52)</td>
<td>MODIFIED</td>
</tr>
</tbody>
</table>
4.7. Manual Backout Steps for PSB*3*83 and PSB*3*87

If Class 3 GUI software (Pyxis Med Administration Verification VA v. 5.1) updates are not available at National Release for PSB*3*83 and PSB*3*87 and if sites running Wireless Medication Administration (WMA) software inadvertently install PSB*3*83 and PSB*3*87, please follow the steps in the below process documents:

Note: in the .pdf version of this document, click the attachments icon (paperclip) at the top left of the navigation pane in Adobe Reader to view these attachments.

PSB_3_83 BACKOUT  PSB_3_87 BACKOUT
MANUAL PROCESS.doc MANUAL PROCESS.doc
5. Rollback Procedure

Rollback pertains to data and elements other than routines.

5.1. Rollback Considerations

A follow-up patch for each namespace would be needed to delete/modify that namespace’s data dictionary entries that were added/modified and other non-routine components added/modified by this projects patches and would follow the basic logic flow below.

Logic flow using FileMan API calls as much as possible for the below actions

1. New data fields would need to be erased that were likely populated by the new functionality, while the new data fields are still valid in the data dictionary.
2. New file cross references would now need to be deleted.
3. New fields need to be deleted out of the data dictionary.
4. Modified data dictionary fields would need to be restored.
5. Existing REMOTE PROCEDURE file (#8994) entries would need to be restored while new file entries would need to be deleted from the site.
6. Existing PROTOCOL file (#101) entries would need to be restored while new file entries would be deleted from the site.
7. Existing OPTION file (#19) entries would need to be restored while new file entries would be deleted from the site.
8. Existing PARAMETERS file (#8989.5) entries would need to be restored while new file entries would be erased and then deleted from the Kernel Parameter Definition file at the site.
9. Existing PARAMETER DEFINITION file (#8989.51) entries would need to be restored while new file entries would be erased and then deleted from the PARAMETER DEFINITION file at the site.
10. Existing PARAMETER TEMPLATE file (#8989.52) entries would need to be restored.

Note: These new data entries are the result of a new field added to the data dictionary or the modification of an existing field in the data dictionary.

5.2. Rollback Criteria

The back-out of INPATIENT MEDICATION ADMINISTRATION - TRANSDERMAL patches that modified existing fields, and established new fields would be justification for rollback.

5.3. Rollback Risks

None

5.4. Authority for Rollback

The authority would come from the IPT and the VA project manager.
5.5. Rollback Procedure

See section 5.1.