

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

**Installation Guide**



**Department of Veterans Affairs**  
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**Version 1.0**

## Revision History

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

## Table of Contents

<b>1. Introduction</b> .....	<b>4</b>
<b>2. System Requirements</b> .....	<b>4</b>
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
<b>3. Implementation</b> .....	<b>27</b>
<b>4. Backout Procedure</b> .....	<b>27</b>
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
<b>5. Rollback Procedure</b> .....	<b>31</b>
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.

**Inpatient Medication Software Elements**

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

### 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)

NOTE: 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 '^' 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

-----

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

ESP POLICE CHIEF MENU

	<u>POLICE CHIEF</u>	1	07/15/94	12/01/15
ZCLIN2MISC2	<u>DISCHARGE SUMMARY/PROBLEM...</u>	1	10/23/95	12/01/15
ZCLINMAP1	<u>CLINICAL 1 APPLICATIONS</u>	1	09/08/97	12/01/15
EEO COUNSELORS MENU	<u>COUNSELOR'S MENU</u>	1	08/21/95	12/01/15
PLW MAIN MENU	<u>PLW MAIN MENU</u>	1	03/19/96	12/01/15
ZZ TRAINING MENU	<u>TRAINING MENU</u>	30	08/29/96	12/01/15
TIU MAIN MENU MRT	<u>TEXT INTEGRATION UTILITIE...</u>	2	02/07/95	12/01/15
TIU MAIN MENU MGR	<u>TEXT INTEGRATION UTILITIE...</u>	1	11/01/94	12/01/15
TIU MAIN MENU TRANSCRIPTION				
	<u>TEXT INTEGRATION UTILITIE...</u>	1	09/11/96	12/01/15
TIU MAIN MENU REMOTE USER				
	<u>TEXT INTEGRATION UTILITIE...</u>	1	02/27/95	12/01/15
TIU MAIN MENU PN CLINICIAN				
	<u>PROGRESS NOTES USER MENU</u>	1		12/01/15
TIU MAIN MENU CLINICIAN				
	<u>PROGRESS NOTES/DISCHARGE ...</u>	1	03/11/94	12/01/15
TIU IRM MAINTENANCE MENU				
	<u>TIU MAINTENANCE MENU</u>	1	12/01/15	12/01/15

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

<u>ORDERABLE ITEM</u>	<u>INACTIVE</u>	<u>DISPENSE DRUG</u>	
<u>NAME - DOSAGE FORM</u>	<u>DATE</u>	<u>NAME</u>	<u>IEN</u>
-----	-----	-----	-----

NICOTINE - PATCH	NONE	NICOTINE PAD	42
NITROGLYCERIN - PATCH	NONE	NITROGLYCERIN PATCHES 10M	2313
		NITROGLYCERIN PATCHES 15M	5029
		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

<u>PAT</u>	<u>PATIENT</u>	<u>ORDERABLE</u>	<u>ORDR</u>	<u>MRR</u>
<u>ID</u>	<u>LOC</u>	<u>ITEM NAME</u>	<u>STS</u>	<u>VAL</u>
-----	-----	-----	-----	-----
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 <u>PSJ_5_NURSE_UM_R0416.PDF</u>	<u>BINARY</u>
INPATIENT MEDICATIONS PHARMACIST'S USER MANUAL <u>PSJ_5_PHAR_UM_R0416.PDF</u>	<u>BINARY</u>
INPATIENT MEDICATIONS TECHNICAL MANUAL/ SECURITY GUIDE <u>PSJ_5_TM_R0416.PDF</u>	<u>BINARY</u>

#### **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
```

THIS DISTRIBUTION WAS LOADED ON JAN 08, 2016@10:41:56 WITH HEADER OF PSJ\*5\*315 TEST

IT CONSISTED OF THE FOLLOWING INSTALL(S):

PSJ\*5.0\*315

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.

YOU CAN QUEUE THE INSTALL BY ENTER A 'Q' AT THE DEVICE PROMPT.

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.

=====

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

PSSJXR6  
PSSJXR7  
PSSJXR8  
PSSJXR9

UPDATING KIDS FILES...

PSJ\*5.0\*315 INSTALLED.

JAN 08, 2016@10:44:01

NOT A PRODUCTION UCI

INSTALL COMPLETED

**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

<u>PAT</u>	<u>PATIENT</u>	<u>ORDERABLE</u>	<u>ORDR</u>	<u>MRR</u>
<u>ID</u>	<u>LOC</u>	<u>ITEM NAME</u>	<u>STS</u>	<u>VAL</u>
-----	-----	-----	-----	-----

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:

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

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

```

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:   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 '^' 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.

OI FIELD OFFICE	FTP ADDRESS	DIRECTORY
-----------------	-------------	-----------

REDACTED		
----------	--	--

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
```

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.

```

SELECT OPTION NAME:      PSB BCBU VISTA MAIN      BCMA BACKUP SYSTEM (VISTA)
PSB BCBU VISTA MAIN BCMA BACKUP SYSTEM (VISTA)

DFT      DEFAULT WORKSTATION INITIALIZE
DIV      DIVISIONAL WORKSTATION INITIALIZE
USR      INITIALIZE A BACKUP WORKSTATION WITH BCMA USERS

```

**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:**

<u>OPTION NAME</u>	<u>TYPE</u>	<u>NEW/MODIFIED/DELETED</u>
--------------------	-------------	-----------------------------

<u>ORDERABLE ITEM MANAGEMENT</u> [PSS ORDERABLE ITEM MANAGEMENT]	<u>MENU</u>	<u>MODIFIED</u>
<u>ORDERABLE ITEMS THAT REQUIRE</u> <u>REMOVAL REPORT</u> [PSS MRR ORDERABLE ITEMS RPT]	<u>ROUT</u>	<u>NEW</u>
<u>ORDERABLE ITEMS REPORT FOR HIGH</u> <u>RISK\HIGH ALERT</u> [PSS HR/HA ORDERABLE ITEMS RPT]	<u>ROUT</u>	<u>NEW</u>
<u>PHARMACY DATA MANAGEMENT</u> [PSS MGR]	<u>MENU</u>	<u>MODIFIED</u>
<u>ORDERS FOR MRRS WITH REMOVAL</u> <u>PROPERTIES</u> [PSS MRR ORDERS DIAGNOSTIC RPT]	<u>ROUT</u>	<u>NEW</u>

### Files & Fields Associated:

<u>FILE NAME</u> (#)	<u>FIELD NAME</u> (#)	<u>NEW/MODIFIED/DELETED</u>
ORDERABLE ITEM (#50.7)	PROMPT FOR REMOVAL IN BCMA (#12)	<u>NEW</u>
NON-VERIFIED ORDERS(#53.1)	DURATION OF ADMINISTRATION (#137)	<u>NEW</u>
NON-VERIFIED ORDERS(#53.1)	REMOVE TIMES (#138)	<u>NEW</u>
NON-VERIFIED ORDERS(#53.1)	REMOVE PERIOD (#139)	<u>NEW</u>
NON-VERIFIED ORDERS(#53.1)	BCMA PROMPT FOR REMOVAL FLAG (#140)	<u>NEW</u>
PHARMACY PATIENT(#55)		
UNIT DOSE(#62)	DURATION OF ADMINISTRATION (#137)	<u>NEW</u>
PHARMACY PATIENT(#55)		
UNIT DOSE(#62)	REMOVE TIMES (#138)	<u>NEW</u>
PATIENT PHARMACY(#55)		
UNIT DOSE(#62)	REMOVE PERIOD (#139)	<u>NEW</u>
PHARMACY PATIENT(#55)		
UNIT DOSE(#62)	BCMA PROMPT FOR REMOVAL FLAG (#140)	<u>NEW</u>
BCMA MEDICATION LOG (53.79)	SCHEDULED REMOVAL TIME (.17)	<u>NEW</u>
	DERMAL SITE (.18)	<u>NEW</u>
	ACTION DATE/TIME (.06)	<u>MOD</u>
	SCHEDULED ADMINISTRATION TIME (.13)	<u>MOD</u>
<u>SUBFILE:</u>		
DISPENSE DRUG (53.795)	PROMPT FOR REMOVAL IN BCMA (.06)	<u>NEW</u>
BCMA MEDICATION VARIANCE LOG (53.78)	EVENT(.05)	<u>MOD</u>
<u>ADD A NEW CODE TO THE SET</u> <u>OF CODES FOR THE EVENT FIELD:</u>	4:EARLY/LATE REMOVE	<u>NEW</u>
BCMA BACKUP DATA (#53.7)	ORDER NUMBER (#9)	<u>MODIFIED</u>

ORDER NUMBER (#53.702)	REMOVE TIMING (#7.4)	<u>NEW</u>
	DURATION OF ADMINISTRATION (#7.5)	<u>NEW</u>
MED LOG DATE/TIME	ASSOC. MED LOG GIVE DATE/TIME (#4)	<u>NEW</u>
(#53.70213)	ASSOC. MED LOG GIVE ENTERED BY (#5)	<u>NEW</u>
	ASSOC. MED LOG GIVE STATUS MSG (#6)	<u>NEW</u>

**Remote Procedure Calls Associated:**

<u>RPC NAME</u>	<u>NEW/MODIFIED/DELETED</u>
PSB COVERSHEET1	<u>MODIFIED</u>
PSB GETINJECTIONSITE	<u>MODIFIED</u>
PSB GETORDERTAB	<u>MODIFIED</u>
PSB GETSETWP	<u>NEW</u>
PSB MED LOG LOOKUP	<u>MODIFIED</u>
PSB TRANSACTION	<u>MODIFIED</u>
PSB VALIDATE ORDER	<u>MODIFIED</u>

**Parameters Associated:**

<u>PARAMETER NAME</u>	<u>NEW/MODIFIED/DELETED</u>
PSB AL GROUPS	<u>NEW</u>
PSB AL IMAGE GENERAL	<u>NEW</u>
PSB AL IMAGES	<u>NEW</u>
PSB AL MASTER LIST	<u>NEW</u>
PSB LIST ANATOMIC LOCATIONS	<u>NEW</u>
PSB LIST BODY SITES	<u>NEW</u>

**Templates Associated:**

<u>TEMPLATE NAME</u>	<u>TYPE</u>	<u>FILE NAME (NUMBER)</u>	<u>NEW/MODIFIED/DELETED</u>
PSB DIVISION	<u>KERNEL</u>	PARAMETER TEMPLATE (#8989.52)	<u>MODIFIED</u>

## 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 MANUAL PROCESS.doc  
PSB\_3\_87 BACKOUT 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.