

Medication Order Check Healthcare Application (MOCHA v2.1 Build A)

Deployment, Installation, Back-Out, and Rollback Guide



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Revision History

Date	Version	Description	Author
02/2017	1.2	Updated Introduction, Dependencies, Constraints, Install Example, Rollback / Back-Out Considerations, Rollback / Back-Out Criteria, and the Rollback / Back-Out Procedure sections based on the IOC Testing.	D Skahn & R Ruzbacki
12/2016	1.1	Inserted Installation, Rollback & Back-Out sections	D Skahn & R Ruzbacki
11/2016	1	Updated to reflect MOCHA v2.1a	D Skahn
08/2016	.1	Initial	R Mehta

Artifact Rationale

This document describes the Deployment, Installation, Back-out, and Rollback Plan for new products going into the Department of Veterans Affairs (VA) Enterprise. The plan includes information about system support, issue tracking, escalation processes, and roles and responsibilities involved in all those activities. Its purpose is to provide clients, stakeholders, and support personnel with a smooth transition to the new product or software, and should be structured appropriately, to reflect particulars of these procedures at a single or at multiple locations.

Per the Veteran-focused Integrated Process (VIP) Guide, the Deployment, Installation, Back-out, and Rollback Plan is required to be completed prior to Critical Decision Point #2 (CD #2), with the expectation that it will be updated throughout the lifecycle of the project for each build, as needed.

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1 Introduction

This document describes how to deploy, install and back out the Medication Order Check Healthcare Application (MOCHA) v2.1 Build A, as well as how to back-out the product and rollback to a previous version or data set. This document is a companion to the Pharmacy Reengineering (PRE) project charter and management plan for this effort.

MOCHA v2.1a releases new fields and one new file, and updates options that are essential to the implementation of the Max Daily Dose Order Check for simple medication orders in the future MOCHA v2.1b release. The software component will be updates to the Veterans Integrated Information Systems and Technology Architecture (VistA) system by a patch that is referenced in this section 1 Introduction and will be referenced as MOCHA v2.1a hereafter for the remainder of this document. The enhancements will be developed in Massachusetts General Hospital Utility Multi-Programming System (MUMPS) and distributed as a routine patch from the National Patch Module. The software changes will be made in the following National Package:

- Pharmacy Data Management, Namespace – PSS

Patches to be released are:

- PSS*1*201

1.1 Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom the MOCHA v2.1a will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. Appropriate communications planning should also be completed, as well as the training plan and rollout schedule. The plan also identifies the available resources dedicated to MOCHA v2.1a. No formal training is required for the release of these VistA patches. Specific instructions for installation, back-out, and rollback are included in this document.

1.2 Dependencies

1.3 Constraints

Installation and execution of the following patches must be installed prior to the installation of MOCHA v2.1a:

- PSS*1*119
- PSS*1*173
- PSS*1*175
- PSS*1*184

- PSS*1*189

2 Roles and Responsibilities

Table 1: Deployment, Installation, Back-out, and Rollback Roles and Responsibilities

ID	Team	Phase / Role	Tasks	Project Phase (See Schedule)
	Product Development (PD) Implementation Team	Deployment	Plan and schedule deployment (including orchestration with vendors)	Planning
	PD Implementation Team	Deployment	Determine and document the roles and responsibilities of those involved in the deployment.	Planning
	Software Quality Assurance	Deployment	Test for operational readiness	Build
	Health Product Support	Deployment	Execute deployment	Release Prep Phase
	PD Implementation Team	Installation	Plan and schedule installation	Build Phase
	PD Team	Installation	Ensure authority to operate and that certificate authority security documentation is in place	
	PD Implementation Team / Pharmacy Benefits Management	Installations	Coordinate training	Release Prep Phase
	PD Implementation Team / Development Team	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)	Build Phase
	SDE Field Operations & Enterprise Operations	Post Deployment	Hardware, Software and System Support	Post Release

3 Deployment

The deployment of this release of MOCHA is planned as the first national release of MOCHA v2.1 which includes the VistA side patch identified in section 1 of this document. An additional build (MOCHA v2.1b) will be released in January 2018.

A detailed deployment schedule will be developed for both the Initial Operation Capability (IOC) and National Deployment and will be a part of the master project schedule for MOCHA v2.1a. A link to the schedule will be provided in section 3.1 Timeline.

3.1 Timeline

The deployment and installation is scheduled to run for 30 days, as depicted in the master deployment schedule referenced below.

[MOCHA v2.1 Schedule](#)

08-03-02-03-02-004xQ	Pharmacy Re-Engineering - PRE Medication Order Check He...	19.33%	01-Aug-16 A	24-May-18	01-Aug-16	22-May-18	18-Sep-14	06-May-16
08-03-02-03-02-004xQ.1	MOCHA 2.1a IMS Milestones	0%	02-Dec-16	14-Aug-17	02-Dec-16	14-Aug-17		
MOCHAP21100	MOCHA 2.1a Build Finish	0%	0%	02-Dec-16*		02-Dec-16		
MOCHAP21120	MOCHA 2.1a CD2	0%	0%	14-Dec-16*		14-Dec-16		
MOCHAP21130	MOCHA 2.1a IOC Entry	0%	0%	03-Jan-17*		03-Jan-17		
MOCHAP21140	MOCHA 2.1a IOC Exit	0%	0%	15-Mar-17*		15-Mar-17		
MOCHAP21150	MOCHA 2.1a ND Start	0%	0%	08-May-17*		08-May-17		
MOCHAP21160	MOCHA 2.1a ND Finish	0%	0%	14-Aug-17*		14-Aug-17		
08-03-02-03-02-004xQ.2	MOCHA 2.1b IMS Milestones	0%	16-Mar-17	24-May-18	16-Mar-17	22-May-18		
MOCHAP21170	MOCHA 2.1b Build Start	0%	0%	16-Mar-17*		16-Mar-17		
MOCHAP21180	MOCHA 2.1b Build Finish	0%	0%	13-Jun-17*		01-Jun-17		
MOCHAP21190	MOCHA 2.1b CD2	0%	0%	15-Jun-17*		13-Jun-17		
MOCHAP21200	MOCHA 2.1b IOC Entry	0%	0%	15-Jun-17*		13-Jun-17		
MOCHAP21210	MOCHA 2.1b IOC Exit	0%	0%	27-Nov-17*		20-Nov-17		
MOCHAP21220	MOCHA 2.1b ND Start	0%	0%	25-Jan-18*		23-Jan-18		
MOCHAP21230	MOCHA 2.1b ND Finish	0%	0%	24-May-18*		22-May-18		
08-03-02-03-02-004xQ.3	MOCHA Phase 2	24.21%	01-Aug-16 A	08-Jan-18	01-Aug-16	28-Dec-17	18-Sep-14	06-May-16

3.2 Site Readiness Assessment

This section discusses the locations that will receive the MOCHA v2.1a deployment. Topology determinations are made by Enterprise Systems Engineering (ESE) and vetted by Field Office (FO), National Data Center Program (NDCP), and Austin Information Technology Center (AITC) during the design phase as appropriate. Field site coordination is done by FO unless otherwise stipulated by FO.

3.2.1 Deployment Topology (Targeted Architecture)

The package contents for MOCHA v2.1a will be distributed to the Information Resources Management (IRM) staff and/or Enterprise Service Line (ESL) Information Technology (IT) Support personnel responsible for each of the 130 VistA parent systems.

3.2.2 Site Information (Locations, Deployment Recipients)

The MOCHA v2.1a deployment is planned to take place at all VA Medical Centers (VAMCs) and other VA medical facilities utilizing the Pharmacy Order Check products. Deployment to these locations will be as indicated in the table at the following link:

The table is N/A at this time.

3.2.3 Site Preparation

As a precursor to the MOCHA v2.1a deployment, patch installation guides, and release notes will be distributed to the appropriate staff at each deployment site at the start of national deployment. Product Development and the business owner Pharmacy Benefits Management (PBM) will provide a brochure and/or a write up as training for MOCHA v2.1a prior to national deployment. Sites will be provided guidance on file setups prior to the start of deployment as appropriate.

The following table describes preparation required by the site prior to deployment.

Table 2: Site Preparation

Site/Other	Problem/Change Needed	Features to Adapt/Modify to New Product	Actions/Steps	Owner
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A

3.3 Resources

Hardware, software, systems post-deployment support, and system support roles and responsibilities are defined in both the Project Operations and Maintenance Plan and the Operational Acceptance Plan.

3.3.1 Hardware

There are no specific hardware requirements for installation of MOCHA v2.1a as it runs on existing fielded Vista hardware. There is also no need for specific hardware to assist in the deployment of MOCHA v2.1a.

The following table describes hardware specifications required at each site prior to deployment.

Table 3: Hardware Specifications

Required Hardware	Model	Version	Configuration	Manufacturer	Other
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A

Please see the Roles and Responsibilities table in Section 2 for details about who is responsible for preparing the site to meet these hardware specifications.

3.3.2 Software

There are no specific software requirements for installation or deployment of MOCHA v2.1a.

The following table describes software specifications required at each site prior to deployment.

Table 4: Software Specifications

Required Software	Make	Version	Configuration	Manufacturer	Other
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A

Please see the Roles and Responsibilities table in Section 2 above for details about who is responsible for preparing the site to meet these software specifications.

3.3.3 Communications

Prior to the deployment of the MOCHA v2.1a release, a product announcement will be sent via email to current Points Of Contact (POC) on record for each site describing the product and a brief description of the phased deployment and post-deployment support. Included will be links to the MOCHA v2.1a website and Rational site pages which contain further information about the release and the deployment, including the deployment schedule and required pre-installation activities.

The MOCHA v2.1a Implementation Team will respond to email requests for assistance and/or further information and, where appropriate, re-direct these requests to specialist technical staff.

3.3.3.1 Deployment/Installation/Back-Out Checklist

Tracking of installation for MOCHA v2.1a VistA patches will be monitored in FORUM with the status updates tracked via a spreadsheet that will be linked here.

Table 5: Deployment/Installation/Back-Out Checklist

Activity	Day	Time	Individual who completed task
Deploy			
Install			
Back-Out			

4 Installation

4.1 Pre-installation and System Requirements

The patches described in this installation guide can only be run with a standard Massachusetts General Hospital Utility Multi-Programming System (MUMPS) operating system and require the following VA software packages.

Package	Minimum Version Needed
Pharmacy Data Management	1.0
VA FileMan	22.0
Kernel	8.0
HealtheVet Web Services Client (HWSC)	1.0
Outpatient Pharmacy	7.0
Inpatient Medications	5.0
Order Entry/Results Reporting	3.0

The above software must be installed for these patches to be completely functional.

The following patches must already be installed on your system:

PSS*1.0*189

PSS*1.0*173

PSS*1.0*119

PSS*1.0*175

PSS*1.0*184

4.2 Platform Installation and Preparation

This patch should be installed when Pharmacy applications are not in use, no other pharmacy patches are being installed, and when tasked jobs from Clinical Applications are not running.

Installation should also occur when CPRS usage is at a minimum, particularly medication activities.

Installation of this patch should take no longer than 5 minutes.

4.3 Download and Extract Files

If you do not already have patch, the following Forum option can be used to retrieve the patch:

Select Patch User Menu Option: FORward a Released Patch message

Select PATCH to forward: <enter patch number here>

4.4 Database Creation

N/A

4.5 Installation Scripts

N/A

4.6 Cron Scripts

N/A

4.7 Access Requirements and Skills Needed for the Installation

N/A

4.8 Installation Procedure

1. LOAD TRANSPORT GLOBAL

Choose the PackMan message containing this patch and invoke the
INSTALL/CHECK MESSAGE PackMan option to unload the build.

2. Start up the Kernel Installation and Distribution System Menu

[XPD MAIN]:

Edits and Distribution ...

Utilities ...

Installation ...

Select Kernel Installation & Distribution System Option: 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

3. From the Installation menu, you may elect to use the following options

(When prompted for the INSTALL NAME, enter PSS*1.0*201):

- 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 DD's 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, DD's, 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. Use the Install Package(s) option and select the package PSS*1.0*201.

- a. When prompted 'Want KIDS to INHIBIT LOGONs during the install? YES//', answer NO.
- b. When prompted 'Want to DISABLE Scheduled Options and Menu Options and Protocols? YES//', answer NO.

4.8.1 Install Example

Select Programmer Options <TEST ACCOUNT> Option: KI Kernel Installation & Distribution System

Select Kernel Installation & Distribution System <TEST ACCOUNT> Option: Installation

Select Installation <TEST ACCOUNT> Option: Install Package(s)

Select INSTALL NAME: PSS*1.0*201 11/28/16@12:01:14

=> PSS*1.0*201 11/28/16

This Distribution was loaded on Nov 28, 2016@12:01:14 with header of

PSS*1.0*201 11/28/16

It consisted of the following Install(s):

PSS*1.0*201

Checking Install for Package PSS*1.0*201

Will first run the Environment Check Routine, PSS1P201

Install Questions for PSS*1.0*201

Incoming Files:

51 MEDICATION INSTRUCTION (Partial Definition)

Note: You already have the 'MEDICATION INSTRUCTION' File.

51.1 ADMINISTRATION SCHEDULE (Partial Definition)

Note: You already have the 'ADMINISTRATION SCHEDULE' File.

51.24 DOSE UNITS (including data)

Note: You already have the 'DOSE UNITS' File.

I will OVERWRITE your data with mine.

51.25 DOSE UNIT CONVERSION (including data)

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 PSS*1.0*201 :

Nov 28, 2016@12:01:51

Build Distribution Date: Nov 28, 2016

Installing Routines:

Nov 28, 2016@12:01:51

Installing Data Dictionaries:

Nov 28, 2016@12:01:51

Installing Data:

Nov 28, 2016@12:01:52

Installing PACKAGE COMPONENTS:

Installing INPUT TEMPLATE

Nov 28, 2016@12:01:52

Running Post-Install Routine: POST^PSS1P201

Adding entries to APSP Intervention Type file

Updating Routine file...

Updating KIDS files...

PSS*1.0*201 Installed.

Nov 28, 2016@12:01:53

Not a production UCI

Install Completed

4.9 Installation Verification Procedure

Install verification can be done by using the following VistA options:

Select Kernel Installation & Distribution System <TEST ACCOUNT> Option: Utilities

Select Utilities <TEST ACCOUNT> Option: Install File Print

Select INSTALL NAME: PSS*1.0*201

1 PSS*1.0*201 9/30/16@15:13:11

=> PSS*1*201 TEST v1

2 PSS*1.0*201 10/14/16@11:41:42

=> TEST DD & DATA LOAD FROM MDEVA TO MDEV C ;Created on Oct 14, 2016@11:1

3 PSS*1.0*201 10/14/16@12:27:02

=> DATA TRANSFER WITH OVERWRITE FLAG RATHER THAN REPLACE ;Created on Oct

4 PSS*1.0*201 10/14/16@13:04:39

=> THIS TIME WITH RESOLVE POINTERS=YES ;Created on Oct 14, 2016@13:02:58

5 PSS*1.0*201 10/17/16@13:26:38

=> PSS*1*201 TEST v2

Press <RETURN> to see more, '^' to exit this list, OR

CHOOSE 1-5: 5 PSS*1.0*201 10/17/16@13:26:38

=> PSS*1*201 TEST v2

DEVICE: HOME// SSH VIRTUAL TERMINAL

PACKAGE: PSS*1.0*201 Dec 13, 2016 1:52 pm PAGE 1

COMPLETED ELAPSED

STATUS: Install Completed DATE LOADED: OCT 17, 2016@13:22:01

4.10 System Configuration

N/A

4.11 Database Tuning

N/A

5 Rollback Procedure / Back-Out Procedure

This last section of the document is only needed if there are major problems resulting from the installation of these patches, and there is concurrence from the Enterprise Product Support and MOCHA Development Teams that a rollback must occur.

5.1 Rollback / Back-Out Considerations

This rollback should occur when Pharmacy applications are not in use, no other pharmacy patches are being installed and when tasked jobs from Clinical Applications are not running.

Rollback should also occur when CPRS usage is at a minimum, particularly medication activities.

The rollback procedure should take no longer than 15 minutes.

If your site has any local modifications to any of the following non-routine components of the builds, they will need to be backed up locally. Please contact Enterprise Product Support prior to installing if there are questions:

PSSJ SCHEDULE EDIT Input Template from the ADMINISTRATION SCHEDULE (#51.1) File

NAME (#.01) Field Data dictionary definition of the MEDICATION INSTRUCTION (#51) File

SYNONYM (#.5) Field Data dictionary definition of the MEDICATION INSTRUCTION (#51) File

5.2 Rollback / Back-Out Criteria

Make sure you have the following software available for the rollback:

1. Routine backup from PSS*1.0*201 Install. This is not needed if you had no local mods to the routines in PSS*1*201, since the PSS*1.0*202 Rollback patch will contain these routines.
2. Your local backups of the PSSJ SCHEDULE EDIT Input Template, the Data Dictionary NAME (#.01) Field from the MEDICATION INSTRUCTION (#51) File, and the SYNONYM (#.5) Field from the MEDICATION INSTRUCTION (#51) File, if backups were made for local modifications.
3. Rollback Patch PSS*1.0*202. This patch is available from Enterprise Product Support upon request.

5.3 Rollback / Back-Out Risks

Restoring components such as data dictionaries and templates is risky due to the complexity and the number of FileMan API calls needed to accomplish these tasks.

Any local modifications that site may have to any components could be lost if instructions are not followed or back-ups were not made properly.

5.4 Authority for Rollback / Back-Out

The rollback procedure for these patches should only occur when there is concurrence from the Enterprise Product Support and MOCHA development teams, because of the complexity and risk involved in a rollback. Normal installation back-ups using KIDS will back up only Mumps routines. For all non-routine components of these builds, Enterprise Product Support will have a build available if needed. Make sure the 'Backup a Transport Global' step in section 6 of this document is followed, so you do have a backup of all the routines if needed.

5.5 Rollback / Back-Out Procedure

1. Install the PSS*1.0*202 RollBack patch as follows:
 1. Start up the Kernel Installation and Distribution System Menu
[XPD MAIN]:

Edits and Distribution ...
Utilities ...
Installation ...

Select Kernel Installation & Distribution System Option: 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

2. From this menu, you may elect to use the following options

(When prompted for the INSTALL NAME, enter PSS*1.0*202):

- 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 DD's 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, DD's, 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.

3. Use the Install Package(s) option and select the package

PSS*1.0*202.

- a. When prompted 'Want KIDS to INHIBIT LOGONs during the install? YES//', answer NO.
- b. When prompted 'Want to DISABLE Scheduled Options and Menu Options and Protocols? YES//', answer NO.

PSS*1.0*202 installation capture:

Select Kernel Installation & Distribution System <TEST ACCOUNT> Option: INStalla

tion

Select Installation <TEST ACCOUNT> Option: 6 Install Package(s)

Select INSTALL NAME: PSS*1.0*202 2/17/17@13:54:22

=> PSS*1*202 TEST v4

This Distribution was loaded on Feb 17, 2017@13:54:22 with header of

PSS*1*202 TEST v4

It consisted of the following Install(s):

PSS*1.0*202

Checking Install for Package PSS*1.0*202

Will first run the Environment Check Routine, PSS202EN

Are you sure you want to install PSS*1*202 to rollback patch PSS*1*201? NO// YES

Install Questions for PSS*1.0*202

Incoming Files:

51 MEDICATION INSTRUCTION (Partial Definition)

Note: You already have the 'MEDICATION INSTRUCTION' File.

51.24 DOSE UNITS (including data)

Note: You already have the 'DOSE UNITS' File.

I will REPLACE your data with mine.

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 '^' to abort the install.

DEVICE: HOME// ;:99999 HOME (CRT)

Install Started for PSS*1.0*202 :

Feb 17, 2017@13:55:07

Build Distribution Date: Feb 17, 2017

Installing Routines:

Feb 17, 2017@13:55:07

Installing Data Dictionaries:

Feb 17, 2017@13:55:07

Installing Data:

Feb 17, 2017@13:55:07

Installing PACKAGE COMPONENTS:

Installing INPUT TEMPLATE

Feb 17, 2017@13:55:07

Running Post-Install Routine: POST^PSS202RB

**Deleting executable help from NAME and SYNONYM fields in MEDICATION INSTRUCTION

N (#51) File**

**Removing the 'AF' cross reference from the .01 field of the MEDICATION INSTRUCTION

(#51) File**

Done!

**Removing DOSING CHECK FREQUENCY (#32) field and data from the MEDICATION INSTRUCTION

(#51) file**

Done!

**Removing DRUG(S) FOR DOSING CHK FREQ (#51.321) multiple and OLD MEDICATION INSTRUCTION

N NAME(S) (#51.33) multiple from the MEDICATION INSTRUCTION (#51) file**

Done!

Removing DOSING CHECK FREQUENCY (#11) field and data from the
ADMINISTRATION SCH

EDULE (#51.1) file**

Done!

**Removing DRUG(S) FOR DOSING CHK FREQ (#51.111) multiple and OLD MED
INSTRUCTIO

N NAME(S) (#51.113) multiple from the ADMINISTRATION SCHEDULE (#51.1) file**

Done!

Removing the DOSE UNIT CONVERSION (#51.25) file and data from system**

Done!

Updating Routine file...

Updating KIDS files...

PSS*1.0*202 Installed.

Feb 17, 2017@13:55:07

No link to PACKAGE file

Install Completed

2. If you had local modifications to the PSSJ SCHEDULE EDIT Input Template, , or the Data Dictionary NAME (#.01) Field from the MEDICATION INSTRUCTION File, or the Data Dictionary SYNONYM (#.5) Field from the MEDICATION INSTRUCTION (#51) File, restore them now.
 3. If you had local modifications to any of the routines exported in PSS*1.0*201, restore that backup now. If you did not have local modifications, no action is required for this step.
- ***Reminder - If you are restoring your back-up, if for some reason the PSS*1.0*201 build was installed multiple times, make sure you restore the back up from the first install.
4. An Environment Check routine (PSS202EN) and an init routine (PSS202RB) came with the PSS*1.0*202 Rollback patch, and were marked to delete after install, but that deletion may be overridden by a Kernel parameter. So you may use the following option to verify that these routines have been deleted, and subsequently deleted them if desired, if they do still exist:

Select Systems Manager Menu <TEST ACCOUNT> Option: PRogrammer Options

Select Programmer Options <TEST ACCOUNT> Option: ROutline Tools

Select Routine Tools <TEST ACCOUNT> Option: DElete Routines

ROUTINE DELETE

All Routines? No => No

Routine: PSS202EN

Routine: PSS202RB

Routine:

2 routines

2 routines to DELETE, OK: NO// Y

PSS202EN PSS202RB

Done.

5. Patch Installation Tracking:

Access VA FileMan and then follow these bolded steps to update the PACKAGE (#9.4) File to accurately reflect the current state of the account in regards to the PSS*1.0*201 patch.

VA FileMan 22.0

Select OPTION: **ENTER OR EDIT FILE ENTRIES** <Enter>

INPUT TO WHAT FILE: OPTION// **9.4** <Enter> PACKAGE (441 entries)

EDIT WHICH FIELD: ALL// **VERSION** <Enter> (multiple)

EDIT WHICH VERSION SUB-FIELD: ALL// **PATCH APPLICATION HISTORY** <Enter>
(multiple)

EDIT WHICH PATCH APPLICATION HISTORY SUB-FIELD: ALL// **.01**<Enter> PATCH
APPLICATION HISTORY

THEN EDIT PATCH APPLICATION HISTORY SUB-FIELD: <Enter>

THEN EDIT VERSION SUB-FIELD: <Enter>

THEN EDIT FIELD: <Enter>

Select PACKAGE NAME: **PSS** <Enter> PHARMACY DATA MANAGEMENT PSS

Select VERSION: 1.0// <Enter>

Select PATCH APPLICATION HISTORY: 201// @ <Enter> {Note: If 201 is not the default patch
number, enter 201. Once 201 is selected, delete the 201 entry.}

SURE YOU WANT TO DELETE THE ENTIRE '201' PATCH APPLICATION HISTORY? **Y**
<Enter> (Yes)

{Note: The next 2 lines will not display if the default above had to be changed.}

Select PATCH APPLICATION HISTORY: 193 SEQ #174// <Enter>

PATCH APPLICATION HISTORY: 193 SEQ #174// <Enter>

Select PATCH APPLICATION HISTORY: <Enter>

Verify the Patch Application History was removed using the function identified below. If anything other than a '0' is displayed after any the command, please contact Enterprise Product Support.

```
CDEVISC1A2:MDEV C>W $$PATCH^XPDUTL("PSS*1.0*201") <Enter>
0
```

5.6 Rollback / Back-Out Verification Procedure

To validate the data has been successfully rolled back:

From programmer prompt, do the following global listings, and check the results:

$$D \wedge^0 G$$

Device:

Right margin: 80 =>

Screen size for paging (0=nopaging)? 24 => 0

For help on global specifications DO HELP^%G

Global ^PS(51.25,

Expected results -> No data printed

Global ^PS(51.24,1

$$^{\wedge}\text{PS}(51.24,1,0)=\text{"APPLICATION(S)}^{\wedge}\text{APPLICATION(S)}^{\wedge}1"$$
$$^{\text{PS}}(51.24, 1, 1, 0) = {}^{51.24}2^22^2$$

^PS(51.24,1,1,1,0)="APPLICATION"

```
^PS(51.24,1,1,2,0)="APPLICATIONS"
```

```
^PS(51.24,1,1,"B","APPLICATION",1)=""
```

```
^PS(51.24,1,1,"B","APPLICATIONS",2)=""
```

Expected Results -> As seen above, specifically no “APPLIC” entry displayed

Global ^PS(51.24,"D","APPLIC"

Expected results -> No data printed

Global ^PS(51,"D",

Expected results -> No data printed

Global ^PS(51,,5

Expected results -> No data printed

Global ^PS(51,,6

Expected results -> No data printed

Global ^PS(51.1,"D",

Expected results -> No data printed

Global ^PS(51.1,,4

Expected results -> No data printed

Global ^PS(51.5,,5

Expected results -> No data printed

Global ^PS(51,,0

```
^PS(51,1,0)="O^EVERY^^1^^^"
```

`^PS(51,2,0)="2XD^TWICE A DAY^^1^1^BID^^720"`

`^PS(51,3,0)="TID^THREE TIMES A DAY^^1^^^"`

`^PS(51,4,0)="QID^FOUR TIMES A DAY^^1^^^"`

.....

.....

Expected results -> For all entries, the 9th piece of the data (to the right of the first '=' sign), using the '^' as the delimiter, will be null.

Global `^PS(51.1,,0`

`^PS(51.1,1,0)="Q4H^0100-0500-0900-1300-1700-2100^240^PSJ^C^^^EVERY 4 HOURS"`

`^PS(51.1,2,0)="Q6H^03-09-15-21^360^PSJ^C^^^EVERY 6 HOURS"`

`^PS(51.1,3,0)="Q8H^05-13-21^480^PSJ^C^^^EVERY 8 HOURS"`

.....

.....

Expected results -> For all entries, the 11th piece of the data (to the right of the first '=' sign), using the '^' as the delimiter, will be null.

Template Revision History

Date	Version	Description	Author
March 2016	2.2	Changed the title from Installation, Back-Out, and Rollback Guide to Deployment and Installation Guide, with the understanding that Back-Out and Rollback belong with Installation.	VIP Team
February 2016	2.1	Changed title from Installation, Back-Out, and Rollback Plan to Installation, Back-Out, and Rollback Guide as recommended by OI&T Documentation Standards Committee	OI&T Documentation Standards Committee
December 2015	2.0	The OI&T Documentation Standards Committee merged the existing <i>"Installation, Back-Out, Rollback Plan"</i> template with the content requirements in the OI&T End-user Documentation Standards for a more comprehensive Installation Plan.	OI&T Documentation Standards Committee
February 2015	1.0	Initial Draft	Lifecycle and Release Management