Outpatient Pharmacy

Inbound ePrescribing Version 5.0

Meds By Mail Class 3 to Class 1 Conversion Project

PSO*7.0*770

Deployment, Installation, Back-Out, and Rollback Guide

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Revision History

Date	Version	Description	Author
07/2025	1.0	Initial Version	Booz Allen Hamilton

Artifact Rationale

This document describes the Deployment, Installation, Back-out, and Rollback Plan for products going into the 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.

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1 Introduction

This document describes how to deploy and install the Pharmacy Inbound ePrescribing (IEP) VistA Patch (PSO*7.0*770), as well as how to back-out the product and rollback to a previous version or data set.

1.1 Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom the Pharmacy Inbound ePrescribing (IEP) VistA Patch (PSO*7.0*770) will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. The plan also identifies resources, communications plan, and rollout schedule. Specific instructions for installation, back-out, and rollback are included in this document.

1.2 Dependencies

It is assumed that this patch is being installed into a fully patched Veterans Health Information System and Technology Architecture (VistA) system. The following patches must be installed prior to this patch: PSO*7*662, PSO*7*501, PSO*7*545, PSO*7*710, PSO*7*753, PSO*7*765, PSO*7*768, PSO*7*769, and PSO*7*783.

1.3 Constraints

For all other VistA sites, there are no constraints beyond the installation into an up-to-date VistA system.

2 Roles and Responsibilities

This section outlines the roles and responsibilities for managing the deployment of the patch PSO*7.0*770.

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

ID	Team	Phase / Role	Tasks	Project Phase (See Schedule)
1	Field Operations (FO), Enterprise Operations (EO), or Enterprise Program Management Office (EPMO) (depending upon project ownership)	Deployment	Plan and schedule deployment (including orchestration with vendors)	Deployment

ID	Team	Phase / Role	Tasks	Project Phase (See Schedule)
2	FO, EO, or EPMO (depending upon project ownership)	Deployment	Determine and document the roles and responsibilities of those involved in the deployment.	Design/Build
3	FO, or EO, Software Quality Assurance (SQA), Test Sites	Deployment	Test for operational readiness	Design/Build/Test
4	FO or EO	Deployment	Execute deployment	Design/Build
5	FO or EO	Installation	Plan and schedule installation	Deployment
6	Regional Project Manager (PM)/ Field Implementation Services (FIS)/ Office of Policy and Planning (OPP) PM	Installation	Ensure authority to operate and that certificate authority security documentation is in place	Design/Build
7	Regional PM/FIS/OPP PM/ Nat'l Education & Training	Installations	Coordinate training	Deployment
8	FO, EO, or Product Development (depending upon project ownership)	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)	Deployment
9	FO, EO, or Product Development (depending upon project ownership), Sustainment Team	Post Deployment	Hardware, Software and System Support	Maintenance/Sustain

3 Deployment

The Inbound Electronic Prescribing (eRx) enhancements delivered in Patch PSO*7*.0*770 include updates to the current eRx functionality to convert all of the MbM Class 3 modifications into Class 1.

The deployment is planned as a simultaneous (National Release) rollout. Once approval has been given to nationally release, PSO*7*.0*770 will be available for installation and deployment at all sites.

Deployment will be performed by the local or regional OIT staff and supported by team members from these organizations: FO and Enterprise Operations. Other teams may provide additional support.

The scheduling of test installs, testing, and production deployment will be at the site's discretion.

3.1 Timeline

The deployment and installation is scheduled to run for 31 days, as depicted in the master deployment schedule for Pharmacy Operational Updates patch PSO*7.0*770.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the Inbound Electronic Prescribing (eRx) enhancements delivered in Patch PSO*7.0*770 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

Patch PSO*7.0*770 will be released to all VistA sites.

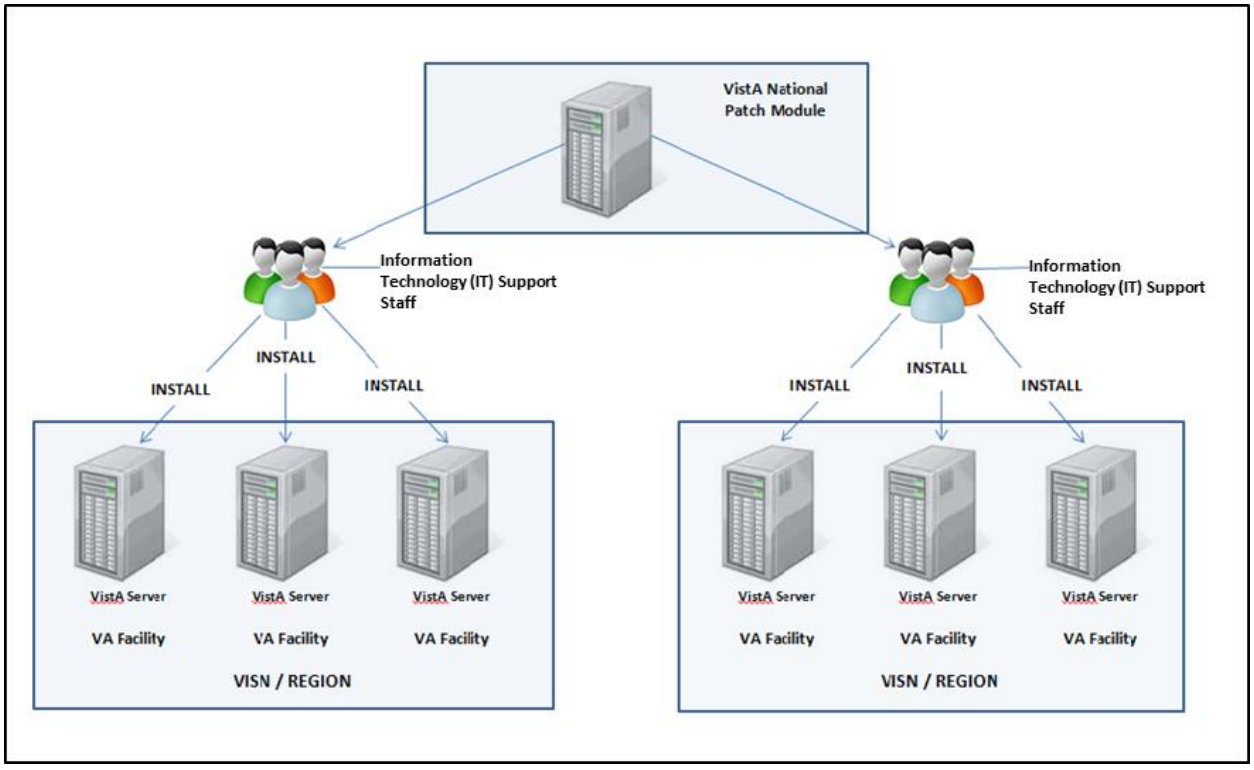

Figure 1: Deployment Topology (Targeted Architecture)

3.2.2 Site Information (Locations, Deployment Recipients)

During IOC testing, patch PSO*7.0*770 will be deployed at the following sites:

- Health Administration Center (Meds by Mail)
- Central Texas, Temple VA Medical Center Pharmacy

PSO*7.0*770 will be delivered to the Information Technology (IT) support staff responsible for the VistA installation at those sites. The software will be installed in the IOC test and production environments.

After National Release, Patch PSO*7.0*770 will be deployed at all sites running the Outpatient Pharmacy v.7.0 application. The software will be distributed through FORUM.

3.2.3 Site Preparation

PSO*7*770 requires a fully patched VistA system. Patches PSO*7*662, PSO*7*501, PSO*7*545, PSO*7*710, PSO*7*753, PSO*7*765, PSO*7*768, PSO*7*769, and PSO*7*783 must be installed prior to this patch.

3.3 Resources

Deployment of Patch PSO*7.0*770 requires an up to date VistA environment running the Outpatient Pharmacy v.7.0 application, as well as designated IT support available to perform the patch installation.

3.3.1 Facility Specifics

The following table lists facility-specific features required for deployment.

Table 2: Facility-Specific Features

Site	Space/Room	Features Needed	Other
N/A	N/A	N/A	N/A

3.3.2 Hardware

Patch PSO*7.0*770 is being released to enhance VistA's Pharmacy Outpatient Pharmacy package. This patch includes updates to the current Inbound Electronic Prescribing (eRx) functionality to convert all of the MbM Class 3 modifications into Class 1. It will be deployed to all VA pharmacy VistA sites nationwide.

It does not require additional hardware capabilities other than what is currently used by a VistA installation at the sites.

Table 3: Hardware Specifications

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

3.3.3 Software

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

Table 4: Software Specifications

Required Software	Make	Version	Configuration	Manufacturer	Other
Outpatient Pharmacy		7.0	Standard	VHA	

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

3.3.4 Communications

For national release, sites will receive communication that the release has occurred, which will normally be an Action Item or Bulletin.

Sites will use their internal communications to let their users know about upcoming installations and any associated downtime. This is critical as users can often slow the installation process if they are on the system while installers are trying to get the software installed.

Clinical Application Coordinators (CACs), installers, and other site personnel (as determined by the site) will need to coordinate installation dates and times. In addition, other support personnel may need to be consulted – such as the Citrix support, Client Technologies (if required).

3.3.4.1 Deployment/Installation/Back-Out Checklist

The Release Management team will deploy the patch PSO*7.0*770, which is tracked in the National Patch Module (NPM) in FORUM, nationally to all VAMCs. FORUM automatically tracks the patches as they are installed in the different VAMC production systems as described in the previous section. One can run a report in FORUM to identify when the patch was installed in the VistA production at each site, and by whom. A report can also be run, to identify which sites have not installed the patch in their VistA production system as of that moment in time.

Therefore, this information does not need to be manually tracked. The table is included below if manual tracking is desired

Table 5: Deployment/Installation/Back-Out Checklist

Activity	Day	Time	Individual who completed task
Deploy -The Deploy activity is performed when the patch is sent to site(s) by the National Patch Module or Release Agent.			
Install - The Install activity is performed when the patch is installed at the site(s).			
Back-Out - The optional Back-Out activity is performed in the event the patch must be uninstalled, or removed, from the site(s).			

4 Installation

4.1 Pre-installation and System Requirements

Ensure that the prerequisite patches are installed. Then, access to the National VA Network and to the local network of each site to receive patch PSO*7.0*770 is required to perform the installation, as well as the authority to install patches.

4.1.1 Pre/Post Installation Overview

Pre-Install:
This patch should be installed during non-peak hours to minimize potential disruption to users. Staff should not be processing prescriptions while patch is being installed. This patch should take about 15 to 30 minutes to complete installation. It is highly recommended that the patch be queued to be installed during non-business hours.

Post-Install:

Routine PSO770PI will create new entries (please see list below) soon after the patch is installed. The routine will run at the end of the patch installation process.

1) Three new removal reason code entries are being added to the ERX SERVICE REASON CODES (#52.45) file.
   - REM81 Prior Authorization Denied
   - REM82 No Community Care Authorization for this Prescription
   - REM83 Patient Not Found in Local VA Database

2) DEA Nightly Update Job w/ Data from DEA/DOJ
A new menu option called DEA Number Nightly Update with DEA/DOJ Data [PSO DEA/DOJ NIGHTLY DATA UPD] is being created by this patch. This option is used for automatically updating the Kernel DEA NUMBERS file (#8991.9) with the latest prescriber DEA information from DEA/DOJ database. It will run nightly, and it will update DEA data for entries that are 30 days or less from expiring. This new option will be added to the list of options that can be edited via the existing Queue Background Jobs [PSO AUTOQUEUE JOBS] option.

3) New entries are being added to the ERX SERVICE REASON CODES (#52.45) file to be used for Script Clarification Change Requests. These new codes will also have pre-populated content in the CHANGE REQUEST REASON TEXT (#20) field that will used as the default text when the user selects one of these new codes:

PRN Indicates that the prescription received is missing dose and/or frequency guidelines.

```
Default CH REQUEST text:
   VA policy prohibits filling prescriptions with only " AS
    NEEDED" for directions. Please indicate frequency of
    administration.
```

UDD Indicates that the prescription received is missing dose and/or frequency guidelines.

```
Default CH REQUEST text:
   VA policy prohibits filling prescriptions with only " AS
    DIRECTED" for directions. Please indicate frequency of
    administration.
```

COD Indicates that the prescription received has conflicting directions.

```
Default CH REQUEST text:
    This prescription contains conflicting directions. Please
    verify which directions are to be followed.
```

MSD Indicates that the prescription received has incomplete directions for use.

```
Default CH REQUEST text:
     Please provide the complete set of patient instructions.
```

RIJ Indicates that the prescription received is missing the route of injection for medication.

```
Default CH REQUEST text:
     Please verify the ROUTE of injection.
```

VEF Indicates that the prescription received is missing the formulation of medication to dispense

```
Default CH REQUEST text:
     Please verify which formulation should be dispensed.
```

VLQ Indicates the prescription received has a written quantity that is less than typical prescribing.

```
Default CH REQUEST text:
```

```
The quantity written is less than typically prescribed.
Please verify the quantity to dispense.
```

VPQ Indicates the prescription received has a written quantity that is less than smallest available quantity to dispense from the pharmacy.

```
Default CH REQUEST text:
     Please verify the quantity to dispense. Our filling
     sites are only able to provide this product in
     quantities of [QUANTITY], which is more than the total
     quantity prescribed.
```

AUT Indicates the Prescriber is not authorized by VA to see this patient

```
Default CH REQUEST text:
     VA records show this patient does not have active
     authorization for care from your office. This
     prescription will be removed from the VA system. For
     authorization questions, patients or providers can call
     the VA Office of Community Care at [PHONE_NUMBER].
```

4) New entries are being added to the ERX SERVICE REASON CODES (#52.45) file to be used for Therapeutic Interchange/Substitution Change Requests. These new codes will also have pre-populated content in the CHANGE REQUEST REASON TEXT (#20) field that will used for as the default text when the user selects one of these new codes:

DSC Indicates a change in the days supply for the medication prescribed.

```
Default CH REQUEST text:
   Pharmacy would like to dispense this medication for 90
    days of supply instead 30 days. Please approve the 90-days
    option below or Cancel Rx and send a replacement.
```

FMC Indicates Pharmacy is unable to supply medication as prescribed.

```
Default CH REQUEST text:
   Pharmacy is unable to supply medication as prescribed;
    however, alternative options may exist. Please approve an
    option below or Cancel Rx and send a replacement.
```

5) **(For Non Meds-by-Mail Site only)** New entries are being added to the ERX SERVICE REASON CODES (#52.45) file to be used for Prior Authorization Required, Product Selection Opportunity, and Out of Stock. These new codes will also have pre-populated content in the CHANGE REQUEST REASON TEXT (#20) field that will used for as the default text when the user selects one of these new codes:

P May be used to request a prescriber review the drug requested and obtain a prior authorization from the payer for the existing prescription.

```
Default CH REQUEST text:
```

```
This product requires a prior authorization. Please call
the VA Pharmacy at [PHONE_NUMBER] to discuss.
VA Formulary:  https://www.va.gov/formularyadvisor/
```

PS Code indicating that an acceptable generic substitute or a therapeutic equivalent exists for the drug. This code is intended to support discretionary drug product selection activities by pharmacists.

```
Default CH REQUEST text:
   Pharmacy is unable to provide this medication. Please
   approve an option below or cancel rx.
   VA Formulary:  https://www.va.gov/formularyadvisor/
```

OS May be used to request a prescriber authorize a change to the original prescription due to the pharmacy being out of stock of the requested medication.

```
Default CH REQUEST text:
   The medication prescribed is currently out of stock.
   Please submit a new Rx from the option(s) below.
   VA Formulary:  https://www.va.gov/formularyadvisor/
```

6) Updated the FULL DESCRIPTION for the following eRx Service Reason Codes ((D, G, OS, P, S, T, and U).

D - May be used to request a prescriber authorize a change to the patient's current medication therapy, such as a dosing regimen or an alternative medication that will have fewer, or no, adverse effects than the original prescription.

G - May be used to request a prescriber allow the dispensing of a generic medication when substitution is not allowed by the prescriber or regulations.

OS - May be used to request a prescriber authorize a change to the original prescription due to the pharmacy being out of stock of the requested medication.

P - May be used to request a prescriber review the drug requested and obtain a prior authorization from the payer for the existing prescription.

S - May be used to request a prescriber clarify the original prescription.

T - May be used to request a prescriber authorize a therapy change to the prescription. This includes the workflow where a pharmacy requests a 30-90 day quantity or a formulary change.

U - May be used to request a prescriber authorization information, such as confirming their DEA number or enrollment with the prescription benefit plan. Denied and Validated are the only acceptable RxChangeResponse types for this workflow. Use the elements in the Validated response type to return the requested information.

7) A new TIU Text Title called PHARMACY RX DRUG REPLACEMENT will be created by this patch. This Text Title will be used to automatically create a Patient Progress Note

every time the user invokes the VISTA DISPENSE DRUG REPLACEMENT (MbM ONLY) BATCH CONVERSION TYPE option.

4.2 Platform Installation and Preparation

Below is a list of the applications involved in this project along with their patch numbers. The order of installation is not important.

APPLICATION/VERSION	PATCH
OUTPATIENT PHARMACY v7.0	PSO*7.0*770

The VistA patches in this release should be installed into the test/mirror/pre-prod accounts before the production account as is the normal VistA patch installation standard convention. When installing any VistA patch, sites should utilize the option "Backup a Transport Global" in order to create a backup message of the "Build (including routines)" exported with this patch. Pre and Post-installation checksums are found in the Patch Description and in FORUM NPM.

4.3 Download and Extract Files

Patch PSO*7*770 is being released as a FORUM Patch message, which will be sent to the G.PATCHES mail group.

The documentation, described in the table below, will be in the form of Adobe Acrobat files. Documentation can be found on the VA Software Documentation Library at: **http://www.va.gov/vdl/.** Documentation can also be found at **https://download.vista.med.va.gov/index.html/SOFTWARE.**

Table 2: Installation Documentation

Title	File Name	FTP Mode
Installation Guide - Inbound ePrescribing (PSO*7.0*770)	PSO_7_0_P770_DIBRG.docx PSO_7_0_P770_DIBRG.pdf	Binary
User Manual – Inbound ePrescribing – Unit 7 Part 1 (PSO*7.0*770) User Manual – Inbound ePrescribing – Unit 7 Part 2 (PSO*7.0*770)	PSO_7_0_P770_UM_71.docx PSO_7_0_P770_UM_71.pdf PSO_7_0_P770_UM_72.docx PSO_7_0_P770_UM_72.pdf	Binary
Technical Manual/Security Guide - Outpatient Pharmacy V.7.0 (PSO*7.0*770)	PSO_7_0_P770_TM.docx PSO_7_0_P770_TM.pdf	Binary
Release Notes – Inbound ePrescribing (PSO*7.0*770)	PSO_7_0_P770_RN.docx PSO_7_0_P770_RN.pdf	Binary

Outpatient Pharmacy Version 7 Manager's User Manual (updated PSO*7.0*770)	PSO_7_0_P770_MAN_UM.docx PSO_7_0_P770_ MAN_UM.pdf	Binary
Outpatient Pharmacy Version 7 Pharmacist's User Manual (updated PSO*7.0*770)	PSO_7_0_P770_ PHARM_UM.docx PSO_7_0_P770_ PHARM_UM.pdf	Binary

4.4 Database Creation

Database creation is not applicable for this VistA patch PSO*7.0*770.

4.5 Installation Scripts

Installation scripts are not applicable for this VistA patch PSO*7.0*770.

4.6 Cron Scripts

Cron scripts are not applicable for this VistA patch PSO*7.0*770.

4.7 Access Requirements and Skills Needed for the Installation

To install this VistA patch, the patch installer must be an active user on the VistA system and have access to the VistA menu option "Kernel Installation & Distribution System" [XPD MAIN] and have VistA security keys XUPROG and XUPROGMODE.

Access to the National VA Network and to the local network of each site to receive patch PSO*7.0*770 is required to perform the installation, as well as the authority to install patches.

Knowledge of, and experience with, the Kernel Installation and Distribution System (KIDS) software is required. For more information, see Section V, Kernel Installation and Distribution System, in the Kernel 8.0 & Kernel Toolkit 7.3 Systems Management Guide.

4.8 Installation Procedure

This patch should be installed during non-peak hours to minimize potential disruption to users. Staff should not be processing prescriptions while patch is being installed. This patch should take about 20 to 30 minutes to complete installation.

NOTE: These backup files may get as large as 150 kilobytes. Make sure space is available before proceeding. Creating the backup files should take from 0 to 2 minutes to create backup files.

1. Choose the PackMan message containing this build. Then select the INSTALL/CHECK MESSAGE PackMan option to load the build.

2. From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu,

   A. Select the Verify Checksums in Transport Global option to confirm the integrity of the routines that are in the transport global. When prompted for the INSTALL NAME enter the patch or build name. (ex. PSO*7.0*770)

      NOTE: Using <spacebar><enter> will not bring up a Multi-Package build even if it was loaded immediately before this step. It will only bring up the last patch in the build.

   B. Select the Backup a Transport Global option to create a backup message. You must use this option and specify what to backup; the entire Build or just Routines. The backup message can be used to restore the routines and components of the build to the pre-patch condition.

      i. At the Installation option menu, select Backup a Transport Global
      ii. At the Select INSTALL NAME prompt, enter your build PSO*7.0*770
      iii. When prompted for the following, enter "R" for Routines or "B" for Build.

      Select one of the following:

      B Build
      R Routines

      Enter response: Build

      iv. When prompted "Do you wish to secure your build? NO//", press <enter> and take the default response of "NO".
      v. When prompted with, "Send mail to: Last name, First Name", press <enter> to take default recipient. Add any additional recipients.
      vi. When prompted with "Select basket to send to: IN//", press <enter> and take the default IN mailbox or select a different mailbox.

   C. You may also elect to use the following options:
      i. Print Transport Global - This option will allow

you to view the components of the KIDS build.

ii. 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 of the components of this patch, such as routines, DDs, templates, etc.

D. Select the Install Package(s) option and choose the patch to install.

i. If prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//', answer NO.

ii. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO//', answer NO.

iii. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//', answer NO.

4.9 Installation Verification Procedure

A Mailman message will be sent to the installer upon successful installation of the patch. Further verification can be done by reviewing the first 2 lines of the routines contained in the patch. The second line will contain the patch number in the [PATCH LIST] section.

The option Calculate and Show Checksum Values [XTSUMBLD-CHECK] can be run to compare the routine checksums to what is documented in the patch.

4.9.1 Routine Information

```
The second line of each of these routines now looks like:
 ;;7.0;OUTPATIENT PHARMACY;**[Patch List]**;DEC 1997;Build 136

The checksums below are new checksums, and
 can be checked with CHECK1^XTSUMBLD.

Routine Name: PSO770PI
    Before:       n/a   After:B184233702  **770**
Routine Name: PSOBKDED
    Before:B101972565   After:B102124543  **11,46,91,78,99,117,133,143,
                                           268,378,416,282,450,402,518,
                                           525,538,457,557,574,598,441,
                                           770**
Routine Name: PSODDPRE
    Before:B144226528   After:B144536536  **251,375,387,379,390,372,416,
                                           411,518,568,768,770**
Routine Name: PSODEAUJ
    Before:       n/a   After: B20562058  **770**
Routine Name: PSODIR
    Before:B151449083   After:B152006838  **37,46,111,117,146,164,211,
```

```
                                          264,275,391,372,416,422,504,
                                          457,572,587,441,682,545,770**
Routine Name: PSODIR1
    Before:B118115170   After:B118326662  **23,46,78,102,121,131,146,166,
                                          184,222,268,206,266,340,391,
                                          444,446,505,543,457,574,612,
                                          686,700,769,770**
Routine Name: PSODRGU0
    Before:       n/a   After: B10898664  **770**
Routine Name: PSOERBT
    Before:       n/a   After:B170317360  **770**
Routine Name: PSOERBT0
    Before:       n/a   After:  B9914387  **770**
Routine Name: PSOERBT1
    Before:       n/a   After: B18110137  **770**
Routine Name: PSOERBT2
    Before:       n/a   After:  B4345286  **770**
Routine Name: PSOERCR0
    Before:B165516091   After:B170774137  **746,770**
Routine Name: PSOERCR1
    Before: B46252949   After: B88766296  **746,769,770**
Routine Name: PSOERHL0
    Before:B126138922   After:B125621416  **700,746,770**
Routine Name: PSOERPC0
    Before:B148442454   After:B157345967  **700,750,746,770**
Routine Name: PSOERPC1
    Before:B142780336   After:B141378939  **700,750,746,770**
Routine Name: PSOERPC3
    Before:       n/a   After: B31946529  **770**
Routine Name: PSOERPR1
    Before: B53671041   After: B53784163  **700,746,770**
Routine Name: PSOERPT0
    Before:B116173284   After:B112432602  **700,746,770**
Routine Name: PSOERPT1
    Before: B98203689   After: B98391328  **700,750,746,769,770**
Routine Name: PSOERRX0
    Before: B99607386   After:B167933274  **700,746,770**
Routine Name: PSOERRX1
    Before:B108552724   After:B151562025  **700,769,770**
Routine Name: PSOERRX2
    Before:       n/a   After: B11816322  **770**
Routine Name: PSOERSE1
    Before:B102102684   After:B133027664  **746,769,770**
Routine Name: PSOERSE2
    Before:B163450869   After:B163451091  **746,770**
Routine Name: PSOERSE3
    Before: B34918673   After: B71025259  **746,769,770**
Routine Name: PSOERUT
    Before:B107331848   After:B114627152  **692,700,746,769,770**
Routine Name: PSOERUT0
    Before:B127399770   After:B164559924  **700,750,746,769,770**
Routine Name: PSOERUT1
    Before: B56849682   After:B100791599  **700,743,746,770**
Routine Name: PSOERUT2
```

```
    Before:B155662863   After:B150913587  **700,746,769,770**
Routine Name: PSOERUT3
    Before: B84605566   After:B110242465  **700,746,770**
Routine Name: PSOERUT4
    Before:B173872765   After:B122708956  **700,746,769,770**
Routine Name: PSOERUT5
    Before:B164844096   After:B150487031  **700,746,769,770**
Routine Name: PSOERUT6
    Before: B32370212   After:B128242113  **700,746,769,770**
Routine Name: PSOERUT7
    Before: B37310895   After: B35733744  **746,769,770**
Routine Name: PSOERX1A
    Before:B241525768   After:B195986410  **467,527,508,551,581,617,669,
                                           700,743,746,770**
Routine Name: PSOERX1B
    Before:B187424113   After: B33863508  **467,506,520,527,508,551,591,
                                           606,581,617,700,770**
Routine Name: PSOERX1C
    Before:B135100439   After:B160717921  **467,520,527,508,551,581,617,
                                           646,700,746,769,770**
Routine Name: PSOERX1D
    Before:B163858823   After:B163905413  **581,617,746,769,770**
Routine Name: PSOERX1E
    Before: B74386875   After:B109399901  **581,700,746,770**
Routine Name: PSOERX1F
    Before:B181537376   After:B143851877  **617,651,700,746,770**
Routine Name: PSOERX1G
    Before:B173619495   After:B173619795  **617,646,689,700,743,770**
Routine Name: PSOERX1H
    Before: B99533853   After:B181985166  **700,746,770**
Routine Name: PSOERX1I
    Before:       n/a   After:  B6176883  **770**
Routine Name: PSOERXA0
    Before: B49036491   After: B50264250  **467,586,617,651,545,743,769,770**
Routine Name: PSOERXA1
    Before:B136282665   After:B136385329  **467,520,508,551,581,617,743,770**
Routine Name: PSOERXA5
    Before: B76145450   After: B77895227  **508,581,631,617,651,770**
Routine Name: PSOERXD1
    Before: B61782724   After: B62978153  **467,520,551,582,581,635,617,
                                           651,689,700,746,769,770**
Routine Name: PSOERXD2
    Before:B182141502   After:B192209594  **467,506,520,508,551,581,617,
                                           651,689,700,746,770**
Routine Name: PSOERXD3
    Before: B12463872   After: B20213477  **651,700,770**
Routine Name: PSOERXH1
    Before: B45587698   After: B41374190  **467,527,508,581,617,700,746,
                                           769,770**
Routine Name: PSOERXH2
    Before:  B5940949   After:  B5450949  **700,770**
Routine Name: PSOERXI1
    Before: B70682385   After:B112507414  **581,617,692,706,700,743,746,
                                           783,770**
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Routine Name: PSOERXI2
    Before: B95050067   After: B95522350  **700,770**
Routine Name: PSOERXID
    Before: B92041544   After: B92464834  **581,635,770**
Routine Name: PSOERXIE
    Before:B160873994   After:B161686459  **581,617,746,770**
Routine Name: PSOERXIF
    Before:B150440707   After:B151144223  **581,635,770**
Routine Name: PSOERXIG
    Before:B148255571   After:B148691921  **581,770**
Routine Name: PSOERXIH
    Before: B56027681   After: B56173187  **581,770**
Routine Name: PSOERXII
    Before: B73900204   After: B74165517  **581,635,770**
Routine Name: PSOERXOE
    Before: B31609262   After: B31254228  **581,770**
Routine Name: PSOERXOG
    Before: B62418789   After: B62724048  **581,746,770**
Routine Name: PSOERXOI
    Before: B20419812   After: B19721912  **581,746,770**
Routine Name: PSOERXP1
    Before:  B6271070   After:  B6423600  **467,520,527,551,581,700,746,770**
Routine Name: PSOERXR1
    Before:  B4504672   After:  B4693651  **467,520,527,581,545,700,746,770**
Routine Name: PSOERXU1
    Before:B177649006   After:B177719543  **467,520,508,551,565,581,617,
                                           651,700,746,770**
Routine Name: PSOERXU2
    Before: B92341812   After:B113811863  **508,598,581,631,617,746,770**
Routine Name: PSOERXU3
    Before:B169517697   After:B172927175  **508,591,606,581,617,646,700,
                                           746,770**
Routine Name: PSOERXU4
    Before:B100231000   After:B110372446  **520,508,551,581,635,617,651,
                                           700,746,770**
Routine Name: PSOERXU5
    Before:B133794438   After:B138498836  **508,581,651,746,769,770**
Routine Name: PSOERXU6
    Before:B134374696   After:B136993537  **508,551,581,631,617,672,715,
                                           700,746,770**
Routine Name: PSOERXU7
    Before:B126290133   After:B129576560  **581,617,700,746,769,770**
Routine Name: PSOERXU8
    Before: B47776897   After: B51979282  **581,617,700,743,746,770**
Routine Name: PSOERXU9
    Before: B55350716   After: B55389495  **617,700,746,770**
Routine Name: PSOERXUX
    Before: B14973542   After: B16451045  **700,746,770**
Routine Name: PSOHELP1
    Before: B49158758   After: B49872441
**23,36,88,146,227,222,408,444,770**
Routine Name: PSOLMUTL
    Before: B16012281   After: B16374233  **19,46,84,99,131,132,148,268,
                                           225,305,386,390,622,441,746,
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                                          765,770**
Routine Name: PSONEW2
    Before: B44268923   After: B45057151  **32,37,46,71,94,124,139,157,
                                           143,226,237,239,225,251,375,
                                           372,504,441,770**
Routine Name: PSONFI
    Before:  B9591033   After:  B9836875  **46,94,131,225,391,700,746,770**
Routine Name: PSOORCPY
    Before: B60045905   After: B60428400  **10,21,27,32,46,100,117,148,
                                           313,411,444,468,504,477,441,
                                           545,700,753,770**
Routine Name: PSOORFI1
    Before:B130223477   After:B129794962  **7,15,23,27,32,44,51,46,71,
                                           90,108,131,152,186,210,222,258,
                                           260,225,391,408,444,467,505,
                                           617,441,651,700,746,753,770**
Routine Name: PSOORFI2
    Before: B96811540   After:B100326867  **7,15,23,27,46,130,146,177,
                                           222,225,338,313,408,612,770**
Routine Name: PSOORFI3
    Before: B85211636   After: B86523001  **15,27,32,46,84,99,130,117,
                                           139,172,225,300,384,372,505,
                                           557,700,770**
Routine Name: PSOORFIN
    Before: B94275893   After:B142326958  **7,15,27,32,44,46,84,106,111,
                                           117,131,146,139,195,225,315,
                                           266,338,391,372,416,446,505,
                                           508,557,628,441,710,770**
Routine Name: PSOORNE4
    Before:B107080840   After:B106570389  **11,27,32,36,46,75,96,103,99,
                                           117,131,225,386,390,391,313,
                                           411,661,441,700,743,746,769,
                                           770**
Routine Name: PSOORNE5
    Before: B57070214   After: B57320688  **11,27,32,46,78,99,117,131,
                                           146,171,180,210,222,268,206,
                                           225,391,444,504,441,545,770**
Routine Name: PSOORNEW
    Before:B141817738   After:B141477735  **11,23,27,32,55,46,71,90,94,
                                           106,131,133,143,237,222,258,
                                           206,225,251,386,390,391,372,
                                           416,431,313,408,436,411,444,
                                           486,446,505,517,508,457,581,
                                           617,441,651,700,746,769,770**
Routine Name: PSOORUT3
    Before:  B9927373   After: B14289108  **5,25,243,700,770**
Routine Name: PSORENW1
    Before: B68220791   After: B70751476  **20,37,51,46,71,117,157,143,
                                           219,239,225,444,548,587,441,
                                           753,770**
Routine Name: PSOSPML4
    Before:B109923547   After:B116681933  **408,451,625,659,662,770**
Routine Name: PSOSUP
    Before:  B8330003   After:  B9172286  **10,268,501,770**
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Routine list of preceding patches: 501, 662, 710, 753, 765, 768, 769, 783
```

4.10 System Configuration

System configuration is not applicable for this VistA patch PSO*7.0*770.

4.11 Database Tuning

Database tuning is not applicable for this VistA patch PSO*7.0*770.

5 Back-Out Procedure

NOTE: Due to the complexity of this patch (because of the data dictionary changes), it is not recommended for back-out. However, in the event that a site decides to back-out this patch, the site should contact the NSD at 855-NSD-HELP (673-4357) and reference “Inbound eRx” to submit a YourIT ServiceNow ticket; the development team will assist with the process.

The Back-out Procedure consists of restoring the routines and removing the Data Dictionaries (DD) introduced by the Patch PSO*7.0*770.

The rollback/backout procedure for these patches should only occur with the concurrence and participation from the Enterprise Product Support and Inbound ePrescribing development teams, because of the complexity and risk involved in a rollback/backout. The decision to back-out or rollback software will be a joint decision between development team, VA site/region personnel and other appropriate VA personnel.

Prior to installing an updated KIDS package, the site/region should have saved a backup of the routines in a mail message using the Backup a Transport Global [XPD BACKUP] menu option (this is done at time of install). Make sure the ‘Backup a Transport Global’ step in section 4.8 of this document is followed, so you do have a backup of all the routines if needed. The message containing the backed-up routines can be loaded with the "Xtract PackMan" function at the Message Action prompt. The Packman function "INSTALL/CHECK MESSAGE" is then used to install the backed-up routines onto the VistA System.

To back-out data from a production account could cause broken pointers, <UNDEFINED> errors and hard MUMPS crashes. The back-out plan for data only patches is to report your findings and wait for a repair patch. Contact Help desk to log a ticket.

The back-out is to be performed by persons with programmer-level access.

5.1 Back-Out Strategy

The Back-out Strategy is to manually delete the new Data Definitions (DDs) introduced with this patch.

The Back-out and Rollback plan for VistA applications is complex and not able to be a "one size fits all." The general strategy for VistA back-out and rollback is to repair the code with a follow-on patch. However, the backup of the transport global when created as part of the install will allow the routines to be converted to the prior patch state. For IEP, this is sufficient to restore the code to prior functionality.

The development team recommends that sites log a help desk ticket if it is a nationally released patch; otherwise, the site should contact the product development team directly for specific solutions to their unique problems.

5.2 Back-Out Considerations

The back-out should only be done in the event that the local facility management determines that the Patch PSO*7.0*770 is not appropriate for that facility and should only be done as a last resort.

5.2.1 Load Testing

Load Testing is not applicable for this VistA patch PSO*7.0*770.

5.2.2 User Acceptance Testing

Initial Operating Capabilities (IOC) Testing for patch PSO*7.0*770 occurred from January 2025 to June 2025.

5.3 Back-Out Criteria

Local Facility Management would need to determine patch PSO*7.0*770 is not appropriate for their facility.

5.4 Back-Out Risks

By backing out PSO*7.0*770, the local facility will not be able to use the IEP functionality to validate and process Inbound ePrescriptions (eRxs) from external providers.

5.5 Authority for Back-Out

Any back-out decision should be a joint decision of the Area Manager, the Business Owner (or their representative) and the Program Manager with input from the HSP PCS Application Coordinator, HPS Support, the project development team.

5.6 Back-Out Procedure

The back-out plan for VistA applications is complex and not a "one size fits all" solution. Due to the complexity of this patch, it is not recommended for back-out. However, in the event that a site decides to back-out this patch, the site should contact the National Service Desk (NSD) at

855-NSD-HELP (673-4357) and reference “Inbound eRX” to submit a YourIT ServiceNow ticket; the development team will assist with the process.

5.7 Back-out Verification Procedure

The Back-out Procedure can be verified by confirming the checksums have been returned to the pre-patch value using CHECK1^XTSUMBLD. It can also be verified by printing the first 2 lines of the PSO routine(s) contained in this patch using the option First Line Routine Print [XU FIRST LINE PRINT]. Once the routine(s) contained in this patch have been backed out, the Second line of each routine will no longer contain the designation of patch PSO*7*770.

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6 Rollback Procedure

The rollback procedures for this patch are the same as the back-out procedures.

6.1 Rollback Considerations

Refer to the Back-Out Procedure section of this document.

6.2 Rollback Criteria

Refer to the Back-Out Procedure section of this document.

6.3 Rollback Risks

The risks of performing a rollback include the downtime of not validating and processing eRXes received from external providers.

6.4 Authority for Rollback

Refer to the Back-Out Procedure section of this document.

6.5 Rollback Procedure

Refer to the Back-Out Procedure section of this document.

6.6 Rollback Verification Procedure

Refer to the Back-Out Procedure section of this document.