Existing Product Intake Program (EPIP)

Patch PSO\*7.0\*523

National Patch Module Patch Description



Department of Veterans Affairs

January 2019

Version 2.0

Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 01/23/2019 | 2.0 | Updates throughout | EPIP Project Team |
| 05/07/2018 | 1.0 | Initial (draft) version | EPIP Project Team |

National Patch Module Patch Description

***=============================================================================***

Run Date:JAN 15, 2019Designation: PSO\*7\*523 TEST v1

Package :OUTPATIENT PHARMACY Priority : MANDATORY

Version : 7 Status :UNDER DEVELOPMENT

***=============================================================================***

Associated patches: (v)PSO\*7\*452   <<= must be installed BEFORE `PSO\*7\*523'

                    (v)PSO\*7\*504   <<= must be installed BEFORE `PSO\*7\*523'

                    (v)PSO\*7\*508   <<= must be installed BEFORE `PSO\*7\*523'

Subject: EPIP OUTPATIENT PHARMACY REMEDIATION 3.0

Category:ROUTINE

ENHANCEMENT

DATA DICTIONARY

Description:

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PSO\*7.0\*523 provides the following enhancements to VistA:

- Adds laboratory test results to medication orders displayed in the Complete Orders from OERR [PSO LMOE FINISH] option in the VistA Outpatient Pharmacy package. Currently, pharmacists who finish outpatient orders in VistA must look in CPRS to find lab results related to an ordered medication. This patch adds relevant lab results to the order finishing workflow, enabling pharmacists to immediately verify that medication orders are compatible with recent lab tests. To accomplish this, the patch modifies several pharmacy routines that provide different pathways for order finishing. Each routine makes a call to new routine PSOORLAB, which obtains information from the LAB DATA file (#63) relevant to the medication order. This information is returned to the calling routine for display. If no laboratory test results are available, then a message to that effect is shown.

This patch adds the DISPLAY LAB RESULT field (#74) to the PHARMACY SYSTEM file (#59.7) to enable or disable the display of laboratory test results for medication orders. Initially, there is no entry in the DISPLAY LAB RESULT field, which means that functionality is disabled. To enable functionality, a Pharmacy Informaticist or Automated Data Processing Application Coordinator (ADPAC) at each site must: 1) run the Site Parameter Enter/Edit [PSO SITE PARAMETERS] option, 2) press Enter to scroll through existing site parameter fields until the “DISPLAY LAB RESULT:” prompt is displayed, and 3) enter YES in the prompt. After functionality is enabled, it can be disabled by entering NO in the prompt.

- Adds the provider title to pending medication orders displayed in the Patient Prescription Processing [PSO LM BACKDOOR ORDERS] and Complete Orders from OERR [PSO LMOE FINISH] options in the VistA Outpatient Pharmacy package. Currently, pharmacists who review and finish pending outpatient orders in VistA cannot see the title of the provider who ordered a medication. As a result, they cannot confirm whether the provider is authorized to prescribe the medication. For example, a Nurse Practitioner might write an order for a medication that is not within the scope of practice for that role. This patch allows the pharmacist to view the provider title immediately following the provider name. To accomplish this, the patch modifies several pharmacy routines that display orders available for finishing. The modifications enable the routines to retrieve the provider title from the NEW PERSON file (#200) and display it in a pending order.

Patch Components:

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Files & Fields Associated:

File Name (Number)Field Name (Number) New/Modified/Deleted

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PHARMACY SYSTEM file (#59.7) DISPLAY LAB RESULT (#74) New

Forms Associated:

Form Name File # New/Modified/Deleted

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N/A

Mail Groups Associated:

Mail Group Name New/Modified/Deleted

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N/A

Options Associated:

Option Name Type New/Modified/Deleted

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N/A

Protocols Associated:

Protocol Name New/Modified/Deleted

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N/A

Parameters Associated:

Parameter Name New/Modified/Deleted

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N/A

Security Keys Associated:

Security Key Name

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N/A

Templates Associated:

Template Name Type File Name (Number) New/Modified/Deleted

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N/A

Additional Information:

N/A

New Service Requests (NSRs):

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20171208 Display the Title of the Provider

20090403 Pharmacy Laboratory Monitoring

Patient Safety Issues (PSIs):

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N/A

Defect Tracking System Ticket(s) & Overview:

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N/A

Problem:

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N/A

Resolution:

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N/A

Test Sites:

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Louis Stokes Cleveland VA Medical Center, Cleveland, OH

Jesse Brown VA Medical Center, Chicago, IL

Software and Documentation Retrieval Instructions:

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The software is released as a PackMan message and is distributed from FORUM.

Software documentation describing the new functionality introduced by this patch is available for downloading.

The preferred method is to retrieve files from download.vista.med.va.gov.

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 documentation directly using Secure File Transfer Protocol (SFTP) from the ANONYMOUS.SOFTWARE directory at the following

OI Field Offices:

Hines: fo-hines.med.va.gov

Salt Lake City: fo-slc.med.va.gov

Documentation can also be found in the VA Software Document Library (VDL) at:

[https://www.va.gov/vdl/](http://www4.va.gov/vdl/).

Title File Name FTP Mode

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Outpatient Pharmacy Manager’s User Manual pso\_7\_man\_um\_p523.doc Binary

Outpatient Pharmacy Manager’s User Manual pso\_7\_man\_um\_p523.pdf Binary

Outpatient Pharmacy Pharmacist’s User Manual pso\_7\_phar\_um\_p523.doc Binary

Outpatient Pharmacy Pharmacist’s User Manual pso\_7\_phar\_um\_p523.pdf Binary

Outpatient Pharmacy Technical Manual/Security Guide pso\_7\_tm\_p523.doc Binary

Outpatient Pharmacy Technical Manual/Security Guide pso\_7\_tm\_p523.pdf Binary

Patch Installation:

Pre/Post Installation Overview:

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Review the Pre-Installation Instructions provided before beginning installation of the patch.

Pre-Installation Instructions:

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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:

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To install the patch:

1. Choose the PackMan message containing this patch.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.

3. From the Kernel Installation and Distribution System (KIDS) 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 number PSO\*7.0\*523.

a. Verify Checksums in Transport Global - This option will help ensure the

integrity of the routines that are in the transport global.

b. Print Transport Global - This option will enable viewing the components of

the KIDS build.

c. Compare Transport Global to Current System - This option will enable viewing

all changes that will be made when this patch is installed. It compares all

components of this patch (routines, data dictionaries, templates, etc.).

d. Back up a Transport Global - This option will create a backup message of any

routines exported with this patch. It will not back up any other changes such

as data dictionaries or templates.

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//’, press <Enter>.

6. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//’, press <Enter>.

7. If prompted ‘Delay install (Minutes): (0-60): 0//’, press <Enter>.

8. If prompted '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// HOME (CRT)', press <Enter>.

Post-Installation Instructions:

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N/A

Backout Procedure:

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Backout of this patch will be performed only with the concurrence and participation of the appropriate VA site/region personnel. The decision to back out the patch will be a joint decision between VA site/region personnel and other appropriate VA personnel.

Note: Due to the complexity of this patch, it is not recommended for backout, and a restore from a backup of the Transport Global should not be attempted. However, in the event that a site decides to back out this patch, the site should contact the National Service Desk (NSD) to submit a help desk ticket. The development team will need to issue one or more follow-on patches in order to comprehensively back out this patch, after coordination with the VA Project Manager and COR.

Validation of Backout Procedure:

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The Backout procedure can be verified by printing the first two lines of the PSO routines contained in this patch using the option First Line Routine Print [XU FIRST LINE PRINT]. Once the PSO routines have been backed out, the first two lines of the routines will no longer contain the designation of patch PSO\*7.0\*523 on line 2 in the patch list section.

Note: This validation procedure only verifies that routine changes have been backed out; it does not confirm that other patch component changes have been backed out.

Routine Information:

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The second line of each of these routines now looks like:

;;7.0;OUTPATIENT PHARMACY;\*\*[Patch List]\*\*;DEC 1997;Build 17

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

Routine Name: PSOORFI1

    Before: B86566158   After: B91031076  \*\*7,15,23,27,32,44,51,46,71,

                                           90,108,131,152,186,210,222,258,

                                           260,225,391,408,444,467,505,

                                           523\*\*

Routine Name: PSOORLAB

    Before:       n/a   After:  B9585916  \*\*523\*\*

Routine Name: PSOORNE2

    Before:B111459106   After:B115210334  \*\*11,21,23,27,32,37,46,84,103,

                                           117,131,146,156,210,148,222,

                                           238,264,281,289,251,379,391,

                                           313,282,427,454,446,467,523\*\*

Routine Name: PSOORNE3

    Before: B66007798   After: B67877906  \*\*11,9,39,59,46,103,124,139,

                                           152,194,391,313,444,504,523\*\*

Routine Name: PSOORNE4

    Before:B101859322   After:B107336370  \*\*11,27,32,36,46,75,96,103,99,

                                           117,131,225,386,390,391,313,

                                           411,523\*\*

Routine Name: PSOORNEW

    Before:B119220767   After:B123381060  \*\*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,

                                           486,446,505,517,508,523\*\*

Routine Name: PSOSITED

    Before: B11480103   After: B11659854  \*\*24,65,268,354,452,523\*\*

Routine list of preceding patches: 452, 504, 508