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(This page included for two-sided copying.)
1 Introduction

This patch has enhancements that extend the capabilities of the Veterans Health Information Systems and Technology Architecture (VistA) electronic pharmacy (ePharmacy) billing system. Below is a list of all the applications involved in this project along with their patch number:

<table>
<thead>
<tr>
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<tr>
<td>OUTPATIENT PHARMACY (OP) V. 7.0</td>
<td>PSO<em>7</em>448</td>
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<tr>
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<td>IB<em>2</em>550</td>
</tr>
<tr>
<td>ELECTRONIC CLAIMS MANAGEMENT ENGINE (ECME) V. 1.0</td>
<td>BPS<em>1</em>20</td>
</tr>
<tr>
<td>CONSOLIDATED MAIL OUTPATIENT PHARMACY (CMOP) V. 2.0</td>
<td>PSX<em>2</em>79</td>
</tr>
<tr>
<td>PHARMACY DATA MANAGEMENT (PDM) V. 1.0</td>
<td>PSS<em>1</em>192</td>
</tr>
</tbody>
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All five of these patches are being released in the Kernel Installation and Distribution System (KIDS) multi-build distribution.

1.1 Documentation and Distribution

Updated documentation describing the new functionality introduced by this patch is available.

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:

- Albany: fo-albany.med.va.gov
- Hines: fo-hines.med.va.gov
- Salt Lake City: fo-slc.med.va.gov

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

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<td>BPS_1_P20_RN.PDF</td>
<td>Binary</td>
</tr>
<tr>
<td>User Manual</td>
<td>BPS_1_UM.PDF</td>
<td>Binary</td>
</tr>
<tr>
<td>Technical Manual/Security Guide</td>
<td>BPS_1_TM.PDF</td>
<td>Binary</td>
</tr>
</tbody>
</table>
(This page included for two-sided copying.)
2 Patch Description and Installation Instructions

2.1 Patch Description

VistA Patch Display

============================================================================= 
Run Date: APR 21, 2016                      Designation: BPS*1*20  TEST v16
Package : E CLAIMS MGMT ENGINE              Priority   : MANDATORY
Version : 1                                 Status     : UNDER DEVELOPMENT
============================================================================= 

Associated patches: (v)BPS*1*18    <<= must be installed BEFORE `BPS*1*20'
(v)BPS*1*19    <<= must be installed BEFORE `BPS*1*20'

Subject:  MCCF ePHARMACY COMPLIANCE PHASE 3
Category:  ROUTINE
OTHER
ENHANCEMENT
DATA DICTIONARY

Description:

This patch has enhancements that extend the capabilities of the Veterans Health Information Systems and Technology Architecture (VistA) electronic pharmacy (ePharmacy) billing system. Below is a list of all the applications involved in this project along with their patch number:

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<td>PSS<em>1</em>192</td>
</tr>
</tbody>
</table>

All five of these patches are being released in the Kernel Installation and Distribution System (KIDS) multi-build distribution.

KIDS multi-build name: BPS PSO IB PSX PSS BUNDLE 9.0
KIDS Host File name: BPS_1_20_PSO_IB_PSX_PSS.KID

This specific patch contains the following functionality:

1. The CMT Add/View Comments list manager screen, within the ECME User screen [BPS USER SCREEN], will contain an additional action of P Add Pharmacy/OPECC Comment which triggers the system to prompt for a line number item and the comment. The date, time, and user will be recorded for each entry. Pharmacy comments entered will be displayed on the Outpatient Pharmacy Reject Information screen and the ECME User screen [BPS USER SCREEN].

2. The system will allow the user to use an action that resubmits a claim from the ECME User screen [BPS USER SCREEN] for a non-billable TRICARE or CHAMPVA prescription with a pseudo-rejection of eT or eC.
3. The ECME User Screen [BPS USER SCREEN] will display an indicator of RS when a claim is manually resubmitted from the ECME User Screen [BPS USER SCREEN]. The resubmission indicator will only be captured and displayed for the last transaction and an indicator may be overwritten. The Change View action will allow users to select Resubmission and display the ECME User Screen [BPS USER SCREEN] data based on the user selection.

4. The ECME User Screen [BPS USER SCREEN] will contain a new hidden action with a new list manager screen called OPECC Reject Information containing the following actions:

   VW  View Rx
   MP  Medication Profile
   VER View ePharmacy Rx
   PI  Patient Information

5. The ECME User Screen [BPS USER SCREEN] will contain a new hidden action called RER Resubmit Claim w/o Reversal which resubmits a claim without doing a reversal first, regardless of the previous VistA claim status.

6. The ECME User Screen [BPS USER SCREEN] actions will be updated as follows:

   CV  Change View           REV Reverse Payable Claim FR  Further Research
   SO  Sort List             RES Resubmit Claim   VER View ePharmacy RX
   CMT Add/View Comments     CLO Close Claim           WRK Send to Worklist

7. The UD Display Update, LOG Print Claim Log, and EX Exit actions will become hidden actions on the ECME User Screen [BPS USER SCREEN].

8. The ECME User Screen [BPS USER SCREEN] will display non-billable TRICARE entries with a pseudo-rejection code of eT or non-billable CHAMPVA entries with a pseudo-rejection code of eC. An open/closed indicator will display on the ECME screen for each non-billable entry and the entry will default to an Open entry.

9. The ECME User Screen [BPS USER SCREEN] will contain a new hidden action of Open/Close Non-Billable Entry which will mark the entry as Open or Closed for the purposes of displaying or not displaying the entry on the ECME User screen and capture the following: user name, date, time, comment.

10. The ECME User Screen [BPS USER SCREEN] Change View action will offer a choice of displaying open non-billable entries, closed non-billable entries or all and display the ECME User Screen data based on the user selection.

11. The ECME User Screen [BPS USER SCREEN] will make these actions unavailable for non-billable entries:

   REV  Reverse Payable Claim
   CLO  Close Claim
   LOG  Print Claim Log
   WRK  Send to Worklist
   ROC  Reopen Closed Claims
   RED  Resubmit Claim w/EDITS
   RH   Release Copay (On FR Further Research)
   RER  Resubmit Claim w/o Reversal

12. The Closed Claims Report [BPS RPT CLOSED CLAIMS] will display the billed amount in the Excel download format. When the report is not run to capture report data for an Excel document, the Amount Billed will not be
13. The Potential TRICARE Claims Report [BPS COB RPT TRICARE CLAIMS] will be renamed to Potential Claims Report for Dual Eligible [BPS POTENTIAL CLAIMS RPT DUAL]. It will prompt the user for patient eligibility, sort the report appropriately, and display patient eligibility in the heading of the report.

14. The VistA ECME system will use indicator "RS" to indicate that a claim was resubmitted via the ECME User Screen [BPS USER SCREEN]. To accomplish this, the bill type filter will be changed and RS as an indicator will be displayed on certain reports where applicable.

15. The Other Reports Menu [BPS MENU RPT OTHER] will contain a new report called OPECC Productivity Report [BPS OPECC PRODUCTIVITY REPORT]. The report will display information for the claim, by transaction date, with the option for a summary, detail or Excel format.

16. A new SECURITY KEY called BPS SUPERVISOR is implemented with this patch. This key is required for anyone accessing the OPECC Productivity Report [BPS OPECC PRODUCTIVITY REPORT].

17. The system will support new and modified data elements and fields for NCPDP Telecommunications version E7 according to the October 2015 NCPDP release. Support for new and modified reject codes through this release is also included.

18. The system will no longer contain non-beneficial code for NCPDP version 5.1. Some of the version 5.1 code will remain as a roadmap to use the next time NCPDP implements major versions.

19. HL7 transmissions for ePharmacy plans, processors, and PBMs (PHARMACY BENEFITS MANAGER) from FSC will be re-directed to use the ePharmacy HL7 link on EPHARM OUT instead of IIV EC.

20. The Vitria Interface Version will be updated to version 5 and a new registration message will be sent to AITC to communicate that updates have occurred.

### Patch Components:

**Files & Fields Associated:**

<table>
<thead>
<tr>
<th>File Name (#)</th>
<th>Sub-file Name (#)</th>
<th>Field Name (Number)</th>
<th>New/Modified/Deleted</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPS RESPONSES (#9002313.03)</td>
<td>RESPONSES sub-file (#9002313.0301)</td>
<td>QUAN LIMIT PER SPC TM PD COUNT (#2087)</td>
<td>Modified</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DAYS SUP LIM PER SPC TM PD CNT (#2090)</td>
<td>New</td>
</tr>
<tr>
<td></td>
<td>RESPONSES sub-file (#9002313.0301)</td>
<td>QUAN LIMIT TIME PERIOD MLTPL (#9002313.032087)</td>
<td>New</td>
</tr>
<tr>
<td></td>
<td>RESPONSES sub-file (#9002313.0301)</td>
<td>DAYS SUPPLY TIME PERIOD MULTIPLE (#9002313.032091)</td>
<td>New</td>
</tr>
<tr>
<td>BPS NCPDP CLARIFICATION CODES (#9002313.25)</td>
<td></td>
<td></td>
<td>Modified</td>
</tr>
<tr>
<td>BPS PAYER RESPONSE OVERRIDES (#9002313.32)</td>
<td></td>
<td>ADJUDICATED PAYMENT TYPE (#.1)</td>
<td>Modified</td>
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QUAN LIMIT PER SPC TIME PERIOD (#.11) New
QUANTITY LIMIT TIME PERIOD (#.12) New
DAYS SUP LIM PER SPC TM PERIOD (#.13) New
DAYS SUPPLY LIMIT TIME PERIOD (#.14) New
INGREDIENT COST PAID (#.15) New
DISPENSING FEE PAID (#.16) New
REMAINING DEDUCTIBLE AMOUNT (#.17) New
AMT APPLIED TO PERIODIC DEDUCT (#.18) New

BPS LOG OF TRANSACTIONS (#9002313.57) Modified
TRANSACTION TYPE (#19) Modified
NON-BILLABLE REASON (#301) New
NON-BILLABLE CLOSED (#302) New
NON-BILLABLE DATE CLOSED (#303) New
NON-BILLABLE CLOSED BY (#304) New
NON-BILLABLE CLOSED COMMENT (#305) New
NON-BILLABLE DATE RE-OPENED (#306) New
NON-BILLABLE RE-OPENED BY (#307) New
NON-BILLABLE RE-OPENED COMMENT New (#308)
COMMENT MULTIPLE sub-file (#9002313.57111) Modified
PHARMACY (#.04) New

BPS TRANSACTION (#9002313.59) Modified
TRANSACTION TYPE (#19) Modified
NON-BILLABLE REASON (#301) New
NON-BILLABLE CLOSED (#302) New
NON-BILLABLE DATE CLOSED (#303) New
NON-BILLABLE CLOSED BY (#304) New
NON-BILLABLE CLOSED COMMENT (#305) New
NON-BILLABLE DATE RE-OPENED (#306) New
NON-BILLABLE RE-OPENED BY (#307) New
NON-BILLABLE RE-OPENED COMMENT New (#308)
COMMENT MULTIPLE sub-file (#9002313.59111) Modified
PHARMACY (#.04) New

BPS NCPDP FIELD DEFS (#9002313.91) Modified
BPS NCPDP REJECT CODES (#9002313.93) Modified

Forms Associated:
Form Name File Name (Number) Deleted
-------- ------------------ -------------
N/A

Mail Groups Associated:
Mail Group Name Deleted
------------------- -------------
N/A

Options Associated:
New/Modified/
<table>
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<tr>
<th>Option Name</th>
<th>Type</th>
<th>Deleted</th>
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</thead>
<tbody>
<tr>
<td>BPS MENU RPT OTHER</td>
<td>menu</td>
<td>Modified</td>
</tr>
<tr>
<td>BPS OPECC PRODUCTIVITY REPORT</td>
<td>run routine</td>
<td>New</td>
</tr>
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</table>

Protocols Associated:

<table>
<thead>
<tr>
<th>Protocol Name</th>
<th>New/Modified/ Deleted</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPS OPECC REJECT INFO MEDICATION PROFILE</td>
<td>New</td>
</tr>
<tr>
<td>BPS OPECC REJECT INFO PATIENT INFORMATION</td>
<td>New</td>
</tr>
<tr>
<td>BPS OPECC REJECT INFO VIEW RX</td>
<td>New</td>
</tr>
<tr>
<td>BPS OPECC REJECT MENU</td>
<td>New</td>
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<tr>
<td>BPS OPECC REJECT VIEW ECME RX</td>
<td>New</td>
</tr>
<tr>
<td>BPS PRTCL CMT ADD</td>
<td>Modified</td>
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<tr>
<td>BPS PRTCL CMT ADD PHARM</td>
<td>New</td>
</tr>
<tr>
<td>BPS PRTCL CMT EXIT</td>
<td>Modified</td>
</tr>
<tr>
<td>BPS PRTCL CMT MENU</td>
<td>Modified</td>
</tr>
<tr>
<td>BPS PRTCL USRSCR HIDDEN ACTIONS</td>
<td>Modified</td>
</tr>
<tr>
<td>BPS PRTCL USRSCR OPECC REJECT INFORMATION</td>
<td>New</td>
</tr>
<tr>
<td>BPS PRTCL USRSCR OPEN/CLOSE NON-BILLABLE ENTRY</td>
<td>New</td>
</tr>
<tr>
<td>BPS PRTCL USRSCR RESUB NO REVERSE</td>
<td>New</td>
</tr>
</tbody>
</table>

Security Keys Associated:

<table>
<thead>
<tr>
<th>Security Key Name</th>
<th>New/Modified/ Deleted</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPS SUPERVISOR</td>
<td>New</td>
</tr>
</tbody>
</table>

Templates Associated:

<table>
<thead>
<tr>
<th>Template Name</th>
<th>Type</th>
<th>File Name (Number)</th>
<th>New/Modified/ Deleted</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPS LSTMN ECME</td>
<td>List</td>
<td>N/A</td>
<td>Modified</td>
</tr>
<tr>
<td>BPS OPECC REJECT INFORMATION</td>
<td>List</td>
<td>N/A</td>
<td>New</td>
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</tbody>
</table>

Additional Information:

N/A

New Service Requests (NSRs)

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<tr>
<th>New Service Requests</th>
<th>NSRs</th>
</tr>
</thead>
<tbody>
<tr>
<td>20140411</td>
<td>Medical Care Collection Fund (MCCF) ePharmacy Compliance Phase 3</td>
</tr>
</tbody>
</table>

Patient Safety Issues (PSIs)

N/A

Defect Tracking System Ticket(s) & Overview:

N/A
Test Sites:
-----------
VA HEARTLAND - WEST, VISN 15 (589)
LEXINGTON VAMC - LEESTOWN (596)
HUNTER HOLMES MCGUIRE HOSPITAL - RICHMOND (652)
BIRMINGHAM VAMC (521)
CENTRAL ARKANSAS HEALTH CARE SYSTEM - LITTLE ROCK (598)

Documentation Retrieval Instructions
------------------------------------
Updated documentation describing the new functionality introduced by this patch is available.

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<td>Binary</td>
</tr>
</tbody>
</table>
2.2 Pre/Post Installation Overview

There is a pre-install routine associated with this patch named EN^BPS20PRE. The purpose of the pre install routine is to:

a. Update the NCPDP reject codes/descriptions in BPS NCPDP REJECT CODES (#9002313.93).

The pre-install routine is automatically deleted by the system if allowed by your Kernel site parameters configuration. You may delete routine BPS20PRE if the installation was successful and it is not automatically deleted by KIDS.

There is a post-install routine associated with this patch named POST^BPS20PST. The purpose of the post-install routine is to:

a. Remove the cached hidden parent menu protocol for the ECME User Screen.
b. Refine and update the list of visible actions on the ECME User Screen.
c. Update the Vitria Interface version from 4 to 5.
d. Perform ePharmacy registration with AITC.
e. Rename an ECME report option and menu mnemonic.
f. Modify the ePharmacy HL7 links by adding the DNS server name and removing the IP address.

The post-install routine is automatically deleted by the system if allowed by your Kernel site parameters configuration. You may delete routine BPS20PST if the installation was successful and it is not automatically deleted by KIDS.

2.3 Installation Instructions

***** IMPORTANT NOTE *****

The ePharmacy Logical Links must be stopped before patch installation. This can be done with the option "Start/Stop Links" [HL START]. The ePharmacy Logical Links which need to be stopped are the following:

BPS NCPDP
EPHARM OUT

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

To avoid disruptions, these patches should be installed during non-peak hours when there is minimal activity on the system. Avoid times when ECME claims are being transmitted. Of particular concern are the options below.

1. BPS NIGHTLY BACKGROUND JOB [BPS NIGHTLY BACKGROUND JOB]
   Do not install the patch when ECME claims are being generated by the BPS Nightly Background Job option. Wait for this job to finish or complete the installation before this job starts.

2. Scheduled CS Transmission [PSXR SCHEDULED CS TRANS] and Scheduled Non-CS Transmission [PSXR SCHEDULED NON-CS TRANS]
   Do not install the patch when prescriptions are being transmitted to CMOP. Wait for the CMOP transmissions to finish or complete the installation before the transmissions start. Both the CS (Controlled Substances) and the non-CS CMOP transmission options should be checked. Check with Pharmacy Service or your Pharmacy ADPAC to find out when CMOP transmissions occur.
This multi-build installation may take between 1 to 10 minutes to install depending on the amount of data in the files being converted.

This multi-build installation can be queued but should not be queued at a time when the BPS NIGHTY BACKGROUND JOB or CMOP transmission processes are scheduled.

Pre-Installation Instructions
----------------------------

1. OBTAIN PATCHES

OBTAIN PATCHES

Obtain the host file BPS_1_20_PSO_IB_PSX_PSS.KID, which contains the following patches:

   BPS*1.0*20
   PSO*7.0*448
   IB*2.0*550
   PSX*2.0*79
   PSS*1.0*192

Sites may retrieve VistA software from download.vista.med.va.gov. This transmits the file from the first available server. Sites may also elect to retrieve this file directly from a specific server.

Sites may retrieve the software directly using Secure File Transfer (SFTP) from the ANONYMOUS.SOFTWARE directory at the following Field Offices:

   Albany:                 fo-albany.med.va.gov
   Hines:                  fo-hines.med.va.gov
   Salt Lake City:         fo-slc.med.va.gov

   File Name                            Transfer Mode
   -----------------------------------------
   BPS_1_20_PSO_IB_PSX_PSS.KID          ASCII

2. START UP KIDS

START UP KIDS

Start up the Kernel Installation and Distribution System Menu option [XPD MAIN]:

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

Select Kernel Installation & Distribution System Option: Installation

   Load a Distribution
   Print Transport Global
   Compare Transport Global to Current System
   Verify Checksums in Transport Global
   Install Package(s)
   Restart Install of Package(s)
   Unload a Distribution
   Backup a Transport Global

Select Installation Option:

3. LOAD TRANSPORT GLOBAL FOR MULTI-BUILD
From the Installation menu, select the Load a Distribution option.

When prompted for "Enter a Host File:", enter the full directory path where you saved the host file BPS_1_20_PSO_IB_PSX_PSS.KID (e.g., SYS$SYSDEVICE:[ANONYMOUS]BPS_1_20_PSO_IB_PSX_PSS.KID).

When prompted for "OK to continue with Load? NO//", enter "YES."

The following will display:

Loading Distribution...

BPS PSO IB PSX PSS BUNDLE 9.0
BPS*1.0*20
PSO*7.0*448
IB*2.0*550
PSX*2.0*79
PSS*1.0*192

Use INSTALL NAME: BPS PSO IB PSX PSS BUNDLE 9.0 to install this Distribution.

4. RUN OPTIONAL INSTALLATION OPTIONS FOR MULTI-BUILD

From the Installation menu, you may select to use the following options (when prompted for the INSTALL NAME, enter BPS PSO IB PSX PSS BUNDLE 9.0):

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 data dictionaries 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, data dictionaries, 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.

5. INSTALL MULTI-BUILD

This is the step to start the installation of this KIDS patch. This will need to be run for the BPS PSO IB PSX PSS BUNDLE 9.0.

a. Choose the Install Package(s) option to start the patch install.

b. When prompted for the "Select INSTALL NAME:", enter BPS PSO IB PSX PSS BUNDLE 9.0.

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

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

e. When prompted "Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//", enter NO.

f. When prompted "Device: HOME//", respond with the correct device.

Post-Installation Instructions

The new security key added by this patch, BPS SUPERVISOR, is needed in order
to run the new ECME report called "OPECC Productivity Report" [BPS OPECC
PRODUCTIVITY REPORT]. Please check with the OPECC supervisor and assign this
security key as directed.

***** IMPORTANT NOTE *****

Please re-start the ePharmacy Logical Links using the "Start/Stop Links"
[HL START] menu option. The ePharmacy Logical Links are the following:

BPS NCPDP
EPHARM OUT

Routine Information:
=================================

The second line of each of these routines now looks like:
";1.0;E CLAIMS MGMT ENGINE;**[Patch List]**;JUN 2004;Build 27"

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

Routine Name: BPS20PRE
Before: n/a After: B9993195 **20**
Routine Name: BPS20PST
Before: n/a After: B54584565 **20**
Routine Name: BPSBUTL
Before: B96713533 After: B120426085 **1,3,2,5,7,8,9,10,11,15,20**
Routine Name: BPSCMT01
Before: B20954371 After: B22342250 **1,5,20**
Routine Name: BPSECA8
Before: B32681715 After: B25111830 **1,5,10,12,11,15,20**
Routine Name: BPSECMP5
Before: B117919679 After: B148784399 **1,2,5,6,7,10,11,15,19,20**
Routine Name: BPSJACK
Before: B36662405 After: B32888755 **1,2,5,7,20**
Routine Name: BPSJAREG
Before: B11441916 After: B11748725 **1,2,5,7,20**
Routine Name: BPSJHLI
Before: B2158650 After: B4405994 **1,20**
Routine Name: BPSJHLT
Before: B56866826 After: B84683560 **1,10,15,19,20**
Routine Name: BPSJPREG
Before: B20416052 After: B20911223 **1,3,2,5,7,20**
Routine Name: BPSJVAL1
Before: B16799335 After: B14575875 **1,5,7,20**
Routine Name: BPSNCPD2
Before: B60489856 After: B91792201 **1,5,6,7,8,10,11,20**
Routine Name: BPSNCPD3
Before: B64625279 After: B65718099 **1,5,6,7,8,10,11,15,19,20**
Routine Name: BPSNCPD5
Before: B76118605 After: B76247724 **7,8,10,11,20**
Routine Name: BPSNCPD6
Before: B28397403 After: B30082238 **7,8,10,11,20**
Routine Name: BPSNCPDP
Before: B93601523 After: B97543196 **1,3,4,2,5,6,7,8,10,11,19,20**
Routine Name: BPSOPR
Before: n/a After: B53670373 **20**
Routine Name: BPSOPR2
Before: n/a After: B114125532 **20**
Routine Name: BPSOPR3
Before: n/a After: B63864385 **20**

Routine Name: BPSOS03
Before: B9935989 After: B15562725 **1,5,10,20**

Routine Name: BPSOSCD
Before: B104589879 After: B74487088 **1,3,5,6,7,8,10,11,12,19,20**

Routine Name: BPSOSSG
Before: B31935652 After: B30642361 **1,5,10,11,20**

Routine Name: BPSOSSU
Before: B38973910 After: B38973910 **1,5,10,11,20**

Routine Name: BPSOSSUX5
Before: B43074906 After: B43227076 **7,8,10,11,20**

Routine Name: BPSOSSRX8
Before: B21154002 After: B22384839 **7,10,11,20**

Routine Name: BPSOSOU1
Before: n/a After: B14671447 **20**

Routine Name: BPSREOP1
Before: B60493248 After: B57917968 **3,7,10,11,20**

Routine Name: BPSRES
Before: B155712159 After: B159042443 **3,5,7,8,10,11,20**

Routine Name: BPSRPT7
Before: B164190587 After: B164643275 **1,3,5,7,8,10,11,19,20**

Routine Name: BPSSCRLG
Routine Name: BPSSCRN0
Before: B241284581  After: B253455016  **1,5,7,8,10,11,15,18,20**

Routine Name: BPSSCRRJ
Before: n/a After: B8359563  **20**

Routine Name: BPSSCRRS
Before: B38581404  After: B80029514  **1,3,5,7,8,10,11,20**

Routine Name: BPSSCRRV
Before: B40545723  After: B43226039  **1,5,6,7,8,20**

Routine Name: BPSSCRSL
Before: B14563351  After: B14919740  **1,7,11,20**

Routine Name: BPSSCRU2
Before: B47071661  After: B51790246  **1,3,5,10,11,20**

Routine Name: BPSSCRU3
Before: B30414230  After: B43064796  **1,5,7,8,9,10,20**

Routine Name: BPSSCRU6
Before: B17791929  After: B19836949  **3,8,10,20**

Routine Name: BPSTEST
Before: B147504088  After: B213983196  **6,7,8,10,11,15,19,20**

Routine Name: BPSUTIL
Before: B11432819  After: B13282594  **1,3,2,5,6,20**

Routine Name: BPSWRKLS
Before: B29522243  After: B32047440  **7,8,11,15,20**

Routine list of preceding patches: 18, 19
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3 Backout and Rollback Procedures

3.1 Overview of Backout and Rollback Procedures
The rollback plan for VistA applications is complex and not able to be a “one size fits all.” The general strategy for VistA rollback is to repair the code with a follow-up patch. The development team recommends that sites log a ticket if it is a nationally released patch; otherwise, the site should contact the Enterprise Program Management Office (EPMO) directly for specific solutions to their unique problems.

3.2 Backout Procedure
During the VistA Installation Procedure of the KIDS build, the installer can back up the modified routines using the ‘Backup a Transport Global’ action. The installer can restore the routines using the MailMan message that were saved prior to installing the patch. The backout procedure for global, data dictionary and other VistA components is more complex and will require issuance of a follow-up patch to ensure all components are properly removed. All software components (routines and other items) must be restored to their previous state at the same time and in conjunction with restoration of the data. This backout may need to include a database cleanup process.

Please contact the EPMO for assistance if the installed patch that needs to be backed out contains anything at all besides routines before trying to backout the patch. If the installed patch that needs to be backed out includes a pre or post install routine please contact the EPMO before attempting the backout.

From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu, you may elect to use the following option. When prompted for the INSTALL enter the patch #.

   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.

3.3 Rollback Procedure
The rollback procedure for VistA patches is complicated and may require a follow-up patch to fully roll back to the pre-patch state. This is due to the possibility of Data Dictionary updates, Data updates, cross references, and transmissions from VistA to offsite data stores.

Please contact the product development team for assistance if needed.
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4 Enhancements
The following features in VistA, ECME are affected by this effort:

4.1 System Feature: ECME User Screen Comment
From the ECME User screen [BPS USERS SCREEN], the user is able to enter a comment that will display on the pharmacist’s worklist.

4.2 System Feature: ECME Resubmit
When a resubmit is initiated from ECME, the system captures information.

4.3 System Feature: ECME User Screen
The ECME User screen [BPS USERS SCREEn] shows a resubmission indicator, a new OPECC Reject Information action, and a new action to resubmit a claim without a reversal. Also, several actions have been hidden, unhidden or removed.

4.4 System Feature: ECME User Screen Non-Billable Entries
The ECME User screen [BPS USERS SCREEN] displays non-billable entries, displayed with an open/close indicator. Several actions are unavailable for non-billable entries.

4.5 System Feature: Closed Claims Report
The Closed Claims Report [BPS RPT CLOSED CLAIMS] displays the billed amount in the Excel download format.

4.6 System Feature: Potential Claims Report

4.7 System Feature: Report Resubmission Indicator
The VistA ECME system uses indicator “RS” to indicate that a claim has been resubmitted via the ECME User Screen [BPS USER SCREEN and reports filters allow the users to select resubmission as a filter option.

4.8 System Features: Date of Service Algorithm
The option to Process Secondary/TRICARE Rx to ECME [BPS COB PROCESS SECOND TRICARE] uses the same date of service algorithm used in outpatient pharmacy.

4.9 System Features: OPECC Productivity Report
The system contains a report for OPECC productivity which requires new security key BPS SUPERVISOR.
4.10 System Features: NCPDP Updates

The system supports NCPDP Telecommunications version E7 according to the October 2015 NCPDP release. Support for new and modified reject codes through this release is also included.