Medical Care Collection Fund (MCCF) ePharmacy Compliance Phase 3

Electronic Claims Management Engine (ECME)

Version 1.0

RELEASE NOTES/ Installation Guide/ Rollback Plan

BPS*1*20

August 2016

Department of Veterans Affairs

Office of Information and Technology (OI&T)

Table of Contents

(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:

```
    APPLICATION/VERSION                              PATCH
    ----------------------------------------------------------------
    OUTPATIENT PHARMACY (OP) V. 7.0                  PSO*7*448
    INTEGRATED BILLING (IB) V. 2.0                   IB*2*550
    ELECTRONIC CLAIMS MANAGEMENT ENGINE (ECME) V. 1.0  BPS*1*20
    CONSOLIDATED MAIL OUTPATIENT PHARMACY (CMOP) V. 2.0  PSX*2*79
    PHARMACY DATA MANAGEMENT (PDM) V. 1.0            PSS*1*192
```

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 REDACTED.
This transmits the files from the first available server. Sites may also elect to retrieve files directly from a specific server.

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

```
    Albany:                 REDACTED
    Hines:                  REDACTED
    Salt Lake City:         REDACTED
```

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

```
Title                          File Name          Transfer Mode
--------------------------------------------------------------------------
Release Notes/Installation Guide   BPS_1_P20_RN.PDF    Binary
User Manual                    BPS_1_UM.PDF        Binary
Technical Manual/Security Guide   BPS_1_TM.PDF       Binary
```

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2 Patch Description and Installation Instructions

2.1 Patch Description

```
VistA Patch Display                                          Page: 1
======================================================================
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:

    APPLICATION/VERSION                                PATCH
    ----------------------------------------------------------------
    OUTPATIENT PHARMACY (OP) V. 7.0                    PSO*7*448
    INTEGRATED BILLING (IB) V. 2.0                     IB*2*550
    ELECTRONIC CLAIMS MANAGEMENT ENGINE (ECME) V. 1.0  BPS*1*20
    CONSOLIDATED MAIL OUTPATIENT PHARMACY (CMOP) V. 2.0 PSX*2*79
    PHARMACY DATA MANAGEMENT (PDM) V. 1.0              PSS*1*192

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

included in the report.

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:

```
File Name (#)                                      New/Modified/
  Sub-file Name (#)   Field Name (Number)            Deleted
-------------------   --------------------------------  -------------
BPS RESPONSES (#9002313.03)                        Modified
  RESPONSES sub-file (#9002313.0301)               Modified
                    QUAN LIMIT PER SPC TM PD COUNT  New
                       (#2087)
                    DAYS SUP LIM PER SPC TM PD CNT  New
                       (#2090)
  QUAN LIMIT TIME PERIOD MLTPL sub-file (#9002313.032087)   New
  DAYS SUPPLY LIM TM PD MULTIPLE sub-file (#9002313.032091) New


BPS NCPDP CLARIFICATION CODES (#9002313.25)        Modified


BPS PAYER RESPONSE OVERRIDES (#9002313.32)         Modified
                    ADJUDICATED PAYMENT TYPE (#.1)  Modified
```

```
                    QUAN LIMIT PER SPC TIME PERIOD        New
                      (#.11)
                    QUANTITY LIMIT TIME PERIOD (#.12)     New
                    DAYS SUP LIM PER SPC TM PERIOD        New
                      (#.13)
                    DAYS SUPPLY LIMIT TIME PERIOD         New
                      (#.14)
                    INGREDIENT COST PAID (#.15)           New
                    DISPENSING FEE PAID (#.16)            New
                    REMAINING DEDUCTIBLE AMOUNT (#.17)    New
                    AMT APPLIED TO PERIODIC DEDUCT        New
                      (#.18)

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:

| | | New/Modified/ |
Form Name	File Name (Number)	Deleted
N/A		

Mail Groups Associated:

| | New/Modified/ |
Mail Group Name	Deleted
N/A	

Options Associated:

New/Modified/

```
Option Name                  Type                   Deleted
-----------                  ----                   -------------
BPS MENU RPT OTHER           menu                   Modified
BPS OPECC PRODUCTIVITY       run routine            New
REPORT


Protocols Associated:
                                                    New/Modified/
Protocol Name                                       Deleted
-------------                                       -------------
BPS OPECC REJECT INFO MEDICATION PROFILE            New
BPS OPECC REJECT INFO PATIENT INFORMATION           New
BPS OPECC REJECT INFO VIEW RX                        New
BPS OPECC REJECT MENU                                New
BPS OPECC REJECT VIEW ECME RX                        New
BPS PRTCL CMT ADD                                    Modified
BPS PRTCL CMT ADD PHARM                              New
BPS PRTCL CMT EXIT                                   Modified
BPS PRTCL CMT MENU                                   Modified
BPS PRTCL USRSCR HIDDEN ACTIONS                      Modified
BPS PRTCL USRSCR OPECC REJECT INFORMATION           New
BPS PRTCL USRSCR OPEN/CLOSE NON-BILLABLE             New
ENTRY
BPS PRTCL USRSCR RESUB NO REVERSE                    New


Security Keys Associated:
                                                    New/Modified/
Security Key Name                                    Deleted
-----------------                                   -------------
BPS SUPERVISOR                                       New


Templates Associated:
                                                    New/Modified/
Template Name     Type    File Name (Number)         Deleted
-------------     ----    ------------------         -------------
BPS LSTMN ECME    List    N/A                        Modified
USRSCR
BPS OPECC REJECT  List    N/A                        New
INFORMATION


Additional Information:
N/A


New Service Requests (NSRs)
---------------------------
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Patient Safety Issues (PSIs)
----------------------------
N/A


Defect Tracking System Ticket(s) & Overview:
--------------------------------------------
N/A
```

Test Sites:

REDACTED

Documentation Retrieval Instructions

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

The preferred method is to retrieve files from REDACTED.
This transmits the files from the first available server. Sites may also elect
to retrieve files directly from a specific server.

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

    Albany: REDACTED
    Hines: REDACTED
    Salt Lake City: REDACTED

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

Title   File Name   Transfer Mode

Release Notes/Installation Guide   BPS_1_P20_RN.PDF   Binary
User Manual   BPS_1_UM.PDF   Binary
Technical Manual/Security Guide   BPS_1_TM.PDF   Binary

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 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 REDACTED. 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: REDACTED
        Hines: REDACTED
        Salt Lake City: REDACTED

    File Name   Transfer Mode

    BPS_1_20_PSO_IB_PSX_PSS.KID   ASCII

2. 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: BPSECMPS
    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:B104057958  **1,3,2,5,7,8,10,11,15,19,20**
Routine Name: BPSOSH2
    Before:B141967265   After:B140036379  **1,5,8,10,15,19,20**
Routine Name: BPSOSIY
    Before: B71169390   After: B74487088  **1,3,5,6,7,8,10,11,20**
Routine Name: BPSOSIZ
    Before: B13539436   After: B18104655  **1,5,7,8,10,20**
Routine Name: BPSOSRB
    Before: B38172979   After: B39920456  **1,5,7,8,10,11,20**
Routine Name: BPSOSRX
    Before: B40198470   After: B40932013  **1,5,7,8,10,20**
Routine Name: BPSOSRX5
    Before: B43074906   After: B43227076  **7,8,10,11,20**
Routine Name: BPSOSRX8
    Before: B21154002   After: B22384839  **7,10,11,20**
Routine Name: BPSOSSG
    Before: B31935652   After: B30642361  **1,5,10,11,20**
Routine Name: BPSOSU
    Before: B38973910   After: B43285498  **1,2,5,7,10,20**
Routine Name: BPSOSUC
    Before:  B8931865   After: B10039062  **1,5,7,10,11,14,20**
Routine Name: BPSPRRX5
    Before: B46870876   After: B82229263  **8,10,11,20**
Routine Name: BPSPSOU1
    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: BPSRPT0
    Before: B27167649   After: B27167649  **1,5,7,10,11,19,20**
Routine Name: BPSRPT1
    Before: B58952344   After: B64732997  **1,5,7,8,10,11,19,20**
Routine Name: BPSRPT3
    Before:B122921088   After:B124301535  **1,3,5,7,11,14,19,20**
Routine Name: BPSRPT7
    Before:B164190587   After:B164643275  **1,3,5,7,8,10,11,19,20**
Routine Name: BPSRPT8
    Before:B147944651   After:B149255320  **1,3,5,7,8,10,11,19,20**
Routine Name: BPSRPT9
    Before:B106079505   After:B113826199  **8,18,20**
Routine Name: BPSRPT9A
    Before: B95077796   After: B99973308  **8,9,18,20**
Routine Name: BPSRSRLC
    Before:  B2312265   After:  B2880037  **1,20**
Routine Name: BPSSCR01
    Before: B17522420   After: B17496726  **1,5,11,20**
Routine Name: BPSSCR03
    Before: B42385571   After: B67802855  **1,5,7,8,10,11,20**
Routine Name: BPSSCR04
    Before: B53618434   After: B54656509  **1,5,11,20**
Routine Name: BPSSCRCL
    Before: B82378286   After: B86678930  **1,3,5,7,8,11,15,19,20**
Routine Name: BPSSCRCV
    Before: B47413521   After: B55540510  **1,5,7,11,14,20**
Routine Name: BPSSCRLG
    Before:B241284581   After:B253455016  **1,5,7,8,10,11,15,18,20**
Routine Name: BPSSCRN0
```

```
    Before:        n/a   After:  B8359563   **20**
Routine Name: BPSSCRRJ
    Before:        n/a   After:B126798258   **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

The Potential TRICARE Claims Report [BPS COB RPT TRICARE CLAIMS] is renamed to Potential Claims Report for Dual Eligible [BPS POTENTIAL CLAIMS RPT DUAL]. The Potential Claims Report for Dual Eligible [BPS POTENTIAL CLAIMS RPT DUAL] displays eligibility and can sort by eligibility.

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.