U.S. Department of Veterans Affairs

Office of Information and Technology
Product Development

**Health Administration Product Enhancements (HAPE
Electronic Data Interchange (EDI)
Medical Care Collection Fund (MCCF) Enhancements**

**Pharmacy National Council for Prescription Drug Programs
(NCPDP) Continuous Maintenance Standards**

Integrated Billing (IB)

RELEASE NOTES/INSTALLATION GUIDE

**IB*2.0*534
January 2016**

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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*427
    INTEGRATED BILLING (IB) V. 2.0                      IB*2*534
    ELECTRONIC CLAIMS MANAGEMENT ENGINE (ECME) V. 1.0   BPS*1*19
    CONSOLIDATED MAIL OUTPATIENT PHARMACY (CMOP) V. 2.0 PSX*2*77
    PHARMACY DATA MANAGEMENT (PDM) V. 1.0               PSS*1*188
```

Patches PSX*2*77 and PSS*1*188 are being released as stand-alone patches,
while the other three patches (PSO*7*427, IB*2*534, BPS*1*19) are being
released in the Kernel Installation and Distribution System (KIDS)
multi-build distribution BPS PSO IB BUNDLE 6.0. The two stand-alone
patches and multi-build distribution can be installed in any order and
do not need to installed at the same time.

1.1. Documentation Retrieval

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

The preferred method is to FTP the files from
ftp://download.vista.med.va.gov/. This transmits the files from the first
available FTP server. Sites may also elect to retrieve software directly
from a specific server as follows:

```
 Albany         ftp.fo-albany.med.va.gov  <ftp://ftp.fo-albany.med.va.gov>
 Hines          ftp.fo-hines.med.va.gov   <ftp://ftp.fo-hines.med.va.gov>
 Salt Lake City ftp.fo-slc.med.va.gov     <ftp://ftp.fo-slc.med.va.gov>
```

Documentation can also be found on the VA Software Documentation Library
at: http://www4.va.gov/vdl/

```
Title                               File Name               FTP Mode
-------------------------------------------------------------------
Release Notes/Installation Guide    IB_2_0_P534_RN.PDF         Binary
Technical Manual/Security Guide     IB_2_0_TM_R0116.PDF        Binary
```

(This page included for two-sided copying.)

2. Patch Description and Installation Instructions

2.1. Patch Description

```
==============================================================================
Run Date: DEC 04, 2015                    Designation: IB*2*534  TEST v9
Package : INTEGRATED BILLING              Priority   : MANDATORY
Version : 2                               Status     : UNDER DEVELOPMENT
==============================================================================

Associated patches: (v)IB*2*494   <<= must be installed BEFORE `IB*2*534'
                    (v)IB*2*511   <<= must be installed BEFORE `IB*2*534'


Subject:  EPHARMACY NCPDP CONTINUOUS MAINTENANCE STANDARDS

Category:  ROUTINE
           DATA DICTIONARY
           ENHANCEMENT

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*427
    INTEGRATED BILLING (IB) V. 2.0                     IB*2*534
    ELECTRONIC CLAIMS MANAGEMENT ENGINE (ECME) V. 1.0  BPS*1*19
    CONSOLIDATED MAIL OUTPATIENT PHARMACY (CMOP) V. 2.0 PSX*2*77
    PHARMACY DATA MANAGEMENT (PDM) V. 1.0              PSS*1*188

Patches PSX*2*77 and PSS*1*188 are being released as stand-alone patches,
while the other three patches (PSO*7*427, IB*2*534, BPS*1*19) are being
released in the Kernel Installation and Distribution System (KIDS)
multi-build distribution BPS PSO IB BUNDLE 6.0.  The two stand-alone
patches and multi-build distribution can be installed in any order and
do not need to installed at the same time.

This specific patch contains the following functionality:
------------------------------------------------------------
1.  In order to allow all discharge medications to be billed, the billing
    rules for inpatient prescriptions were modified so that all
    inpatient prescriptions will be billed to the third party
    payer.  Note that the inpatient auto reversal process of the BPS
    Nightly Background Job will continue to reverse inpatient claims if
    the patients are still in an inpatient status five days after the
    prescription fill date.

2.  The billing rules for processing claims with Environmental Indicators
    was changed:

    a. TRICARE/CHAMPVA claims with Environmental Indicators will be filled
```

```
          but not billed to the third party insurance.
      b. Active Duty prescriptions flagged for Environmental Indicators for
         patients whose Eligibility is TRICARE will be filled and billed to
         TRICARE.


  3.  Integrated Billing routines and databases were modified to support
      the new ECME Non-Billable Status Report [BPS RPT NON-BILLABLE REPORT]
      option.  Please see the BPS*1.0*19 patch description for more
      information on this new report.



Patch Components
================


Files & Fields Associated:
File Name (#)                                       New/Modified/
  Sub-file Name (#)   Field Name (Number)             Deleted
------------------    -------------------------------  -------------
IB NCPDP EVENT LOG (#366.14)                         Modified
  EVENT sub-file (#366.141)                          Modified
                    NON-BILLABLE REASON (#.02)       New

IB NCPDP NON-BILLABLE REASONS (#366.17)              New



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
-----------                 ----                     -------------
N/A



Protocols Associated:
                                                    New/Modified/
Protocol Name                                         Deleted
-------------                                        ------------
N/A



Security Keys Associated:
                                                    New/Modified/
Security Key Name                                     Deleted
-----------------                                    ------------
N/A
```

```
Templates:
                                               New/Modified/
Template Name      Type      File Name (Number)    Deleted
-------------      ----      ------------------    -------------
N/A


Additional Information:
N/A


New Service Requests (NSRs)
---------------------------
20130514 - NCPDP Continuous Maintenance Standards (Phase 2, Iteration 2)


Patient Safety Issues (PSIs)
----------------------------
N/A


Remedy Ticket(s) & Overview
---------------------------
N/A


Test Sites:
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VA Heartland West (Integrated)-Station 589
Central Arkansas Veterans Healthcare System (Little Rock, AR)-Station 598
Birmingham VA Medical Center (Birmingham, AL)-Station 521
Hunter Holmes McGuire VA Medical Center (Richmond, VA)-Station 652
James H. Quillen VA Medical Center (Mountain Home, TN)-Station 621
Lexington VA Medical Center (Lexington, KY)-Station 596


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

The preferred method is to FTP the files from
ftp://download.vista.med.va.gov/.  This transmits the files from the first
available FTP server.  Sites may also elect to retrieve software directly
from a specific server as follows:

 Albany        ftp.fo-albany.med.va.gov  <ftp://ftp.fo-albany.med.va.gov>
 Hines         ftp.fo-hines.med.va.gov   <ftp://ftp.fo-hines.med.va.gov>
 Salt Lake City ftp.fo-slc.med.va.gov     <ftp://ftp.fo-slc.med.va.gov>

Documentation can also be found on the VA Software Documentation Library
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Title                             File Name             FTP Mode
-------------------------------------------------------------------------------
Release Notes/Installation Guide    IB_2_0_P534_RN.PDF     Binary
Technical Manual/Security Guide     IB_2_0_TM_R0116.PDF    Binary
```

2.2. Pre/Post Installation Overview

There is a post-install routine associated with this patch named IB534PST.
The purpose of the post install routine is to populate the new
NON-BILLABLE STATUS field (#.02) of IB NCPDP EVENT LOG (#366.14) file.
Depending on the number of records in the file, this process may take some
time to run so it will be queued to run as a background task. A mail
message will be sent indicating the results of the post-install process.

You may delete routine IB534PST if the installation was successful and
the mailman message indicates that the post-install was successful.

2.3. Installation Instructions

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 5 to 60 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_19_PSO_IB.KID, which contains the
    following patches:

        BPS*1.0*19
        PSO*7.0*427
        IB*2.0*534

    Sites can retrieve VistA software from the following FTP addresses.

```
    The preferred method is to FTP the files from:

                    download.vista.med.va.gov

    This will transmit the files from the first available FTP server.
    Sites may also elect to retrieve software directly from a specific
    server as follows:

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

    The BPS_1_19_PSO_IB.KID host file is located in the anonymous.software
    directory. Use ASCII Mode when downloading the file.

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_19_PSO_IB.KID (e.g.,
    SYS$SYSDEVICE:[ANONYMOUS]BPS_1_19_PSO_IB.KID).

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

    The following will display:

      Loading Distribution...

        BPS PSO IB BUNDLE 6.0
        IB*2.0*534
        BPS*1.0*19
```

PSO*7.0*427

      Use INSTALL NAME: BPS PSO IB BUNDLE 6.0 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 BUNDLE 6.0):

    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 BUNDLE 6.0.

    a. Choose the Install Package(s) option to start the patch
        install.
    b. When prompted for the "Select INSTALL NAME:", enter BPS PSO IB
        BUNDLE 6.0.
    c. When prompted "Want KIDS to Rebuild Menu Trees Upon Completion of
        Install? YES//", enter YES unless your system does this in a
        nightly TaskMan process.
    d. When prompted "Want KIDS to INHIBIT LOGONs during the install?
        YES//", 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

In order to verify the patch post-installation routine was run
successfully, please examine the Install File for this patch and
check the Mailman message that was created. Report any error messages to
Product Support.

You may delete the post-install routine IB534PST if the installation was
successful and the mailman message indicates that the post-install was
successful.

2.4. Routine Information

```
The second line of each of these routines now looks like:
;;2.0;INTEGRATED BILLING;**[Patch List]**;21-MAR-94;Build 18

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

Routine Name: IB534PST
    Before:       n/a  After: B14543577  **534**
Routine Name: IBNCPDP1
    Before:B191529259  After:B164054794  **223,276,339,363,383,405,384,
                                          411,434,437,435,455,452,473,
                                          494,534**
Routine Name: IBNCPDPU
    Before:B122718985  After:B125879968  **223,276,347,383,405,384,437,
                                          435,452,511,534**
Routine Name: IBNCPEV3
    Before:       n/a  After: B30560136  **534**
Routine Name: IBNCPLOG
    Before: B76075004  After: B83304395  **342,339,363,383,411,435,452,534**

Routine list of preceding patches: 494, 511
```

3. Enhancements

3.1. Technical Modifications

3.1.1   Background Logic Change to Billing Rules for Inpatient Claims

In order to allow all discharge medications to be billed, the billing rules for inpatient prescriptions were modified so that all inpatient prescriptions will be billed to the third party payer. Note that the inpatient auto reversal process of the BPS Nightly Background Job will continue to reverse inpatient claims if the patients are still in an inpatient status five days after the prescription fill date.

3.1.2   Background Logic Change to Billing Rules Exception Processing for TRICARE/CHAMPVA Patients with Environmental Indicators

The billing rules for processing claims with Environmental Indicators were changed:

- TRICARE/CHAMPVA claims with Environmental Indicators are filled but not billed to the third party insurance.
- Active Duty prescriptions are flagged for Environmental Indicators for patients whose Eligibility is TRICARE are filled and billed to TRICARE.

3.1.3 IB Routines and Databases Modified to Support the New ECME Non-Billable Status Report Option

Integrated Billing routines and databases were modified to support the new ECME Non-Billable Status Report [BPS RPT NON-BILLABLE REPORT] option. Please see the BPS*1.0*19 patch description for more information on this new report.

3.2. Issue Resolutions

3.2.1 New Service Requests (NSRs)

This patch addresses the following New Service Request (NSR):

```
20130514 – NCPDP Continuous Maintenance Standards (Phase 2, Iteration 2)
```

3.2.2 Remedy Tickets

There are no Remedy Tickets associated with this patch.