



OUTPATIENT PHARMACY

ePharmacy Phase 4 COB

INTEGRATED BILLING (IB)

RELEASE NOTES

IB*2*411

August 2010

Department of Veterans Affairs
VISTA Health
Systems Design & Development

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1. Introduction

This patch has enhancements that extend the capabilities of the **VISTA** ePharmacy billing system, primarily to allow for the electronic submission of secondary pharmacy claims. Below is a list of all the applications involved in this project along with their patch number:

<u>APPLICATION/VERSION</u>	<u>PATCH</u>
Integrated Billing (IB) V. 2.0	IB*2*411
Electronic Claims Management Engine (ECME) V. 1.0	BPS*1*8
Outpatient Pharmacy (OP) V. 7.0	PSO*7*290

The three patches (PSO*7*290, IB*2*411, and BPS*1*8) are being released in the Kernel Installation and Distribution System (KIDS) multi-build distribution BPS PSO IB BUNDLE 4.0. For more specific instruction please refer to the installation steps provided in each of the patches.

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2. Patch Description and Installation Instructions

DHCP Patch Display

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Run Date: SEP 01, 2010           Designation: IB*2*411
Package : INTEGRATED BILLING     Priority   : MANDATORY
Version : 2                     Status    : RELEASED
=====
```

Associated patches: (v)IB*2*384 <<= must be installed BEFORE `IB*2*411'

Subject: ePHARMACY COB SUPPORT

Category: ROUTINE
DATA DICTIONARY
OTHER

Description:

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This patch has enhancements which 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*290
INTEGRATED BILLING (IB) V. 2.0	IB*2*411
ELECTRONIC CLAIMS MANAGEMENT ENGINE (ECME) V. 1.0	BPS*1*8

The three patches (PSO*7*290, IB*2*411 and BPS*1*8) are being released in the Kernel Installation and Distribution System (KIDS) multi-build distribution BPS PSO IB BUNDLE 4.0. For more specific instructions please refer to the installation steps provided in each of the patches.

This patch modifies the Integrated Billing v2.0 application as described below:

1. Third Party Joint Inquiry (TPJI),
Receipt Processing and Decrease Adjustment

This patch modifies the lookup of ePharmacy transactions to display additional information to assist in the bill selection. When a lookup for a bill is done and multiple matches are found the insurance company name and a Coordination of Benefits (COB) indicator will now be displayed.

Select one of the following:

	BILL	RX	DATE	INSURANCE	COB	PATIENT
-----	-----	-----	-----	-----	-----	-----
1	K60008Pe	100714	07/16/07	AETNA INSURANCE	p	IBPATIENT,ONE
2	K60008Qe	100714	07/16/07	BLUE CROSS OF WY	s	IBPATIENT,ONE
3	K60008Re	100714	07/16/07	NEW YORK LIFE IN		IBPATIENT,ONE

Select one of the bills by number:

2. Changes to support ePharmacy secondary billing

Electronic Claims Management Engine package was modified to allow the user to submit an e-claim to secondary payers. IB software was modified to support secondary billing for e-Pharmacy claims, to create secondary bills for specific insurance plans and rate types. Note: the Claims Tracking system is not updated with the results of secondary billing except in cases where the primary payer rejects the claim, but the secondary payer pays.

3. Changes to IB ECME EVENTS report

IB ECME EVENTS report was modified to capture, store and display RX COB (payer sequence) indicators.

4. BILLINFO^IBNCPDPI API modification

In order to support a new secondary billing functionality for e-Pharmacy the IB Application Programmer Interface (API) BILLINFO^IBNCPDPI (ICR #4729) was modified to accept a new parameter to pass in the payer sequence to return information for a specific bill - primary or secondary.

5. RNB^IBNCPDPI API addition

In order to provide additional billing functionality for e-Pharmacy, the IB API RNB^IBNCPDPI (ICR# 4729) was created to provide information about whether or not the Claims Tracking episode for a specific Prescription and Fill is billable.

6. New APIs for e-Pharmacy

In order to support a new secondary billing functionality for e-Pharmacy three new APIs were introduced (ICR # 5355) in this patch: ISBILL^IBNCPUT3 - to determine if there is a bill with a given bill #, BILINF^IBNCPUT3 - to get bill details from file #399, RXBILL^IBNCPUT3 - to find bill(s) for the specific RX/refill.

7. A new IB API to support ECME Potential Secondary Rx Claims Report

The COLLECT^IBOSRX API (ICR # 5361) was designed to collect IB data for ECME Potential Secondary Rx Claims Report.

8. The bill matching functionality

The code responsible for bill matching was adjusted to correctly process bills with different payer sequence (primary and secondary bills). Also modifications have been made to unify the matching process and use 7 digit format with leading zeros for ECME number identifiers (BCID).

The post-install routine will loop through all ECME number identifiers and make sure they are 7 characters long.

9. Removing non-standard cross-references

The software was modified so that the non-standard "AG" cross-references of the BILL/CLAIMS file (#399) are no longer used. The post-install routine will clean up the "AG" node of the file, removing part of the non-FileMan standard cross-references.

10. New Action in Patient Insurance Management

A new ListManager action has been added to the Patient Insurance Management screen to allow the user to quickly identify which of the patient's insurance policies provide for pharmacy coverage as of a user specified prescription fill date. The name of the new action is "RX COB Determination".

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

There is no NSR associated with this patch.

This patch addresses the following Remedy Ticket(s):

There are no Remedy Tickets associated with this patch.

Components Sent With Patch

The following is a list of the files included in this patch:

FILE #	NAME	UP DATE DD	SEND SEC. CODE	DATA COMES W/FILE	SITE DATA	RSLV PTS
366.14	IB NCPDP EVENT LOG	Y	N	N		

The following is a list of fields included in this patch:

Field Name (Number)	File Name (Number) Subfile Name (Number)
-----	-----
RX COB (7.01)	IB NCPDP EVENT LOG (366.14) subfile - EVENT (366.141)
PRIMARY BILL (7.02)	
PRIOR PAYMENT (7.03)	
RATE TYPE SELECTED BY USER (7.04)	

The following is a list of protocols included in this patch:

Protocol Name

IBCNSM RX COB DETERMINATION
IBCNSM PATIENT INSURANCE

Documentation Retrieval:

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Sites may retrieve documentation in one of the following ways:

1. The preferred method is to FTP the files from download.vista.med.va.gov, which will transmit the files from the first available FTP server.
2. Sites may also elect to retrieve documentation 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

3. Documentation can also be retrieved from the VistA Documentation Library (VDL) on the Internet at the following address, <http://www.va.gov/vdl>.

The documentation distribution includes:

FILE NAME	DESCRIPTION
ib_2_p411_rn.pdf	IB Release Notes

Test Sites:

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Phoenix
Loma Linda
Tennessee Valley
Kansas City

Post Installation Overview

The IB post-install routine delivered with IB*2*411 will schedule a job to run in 3 days which removes invalid cross references. The three days allows additional processing time to eliminate any remaining dependencies on the old cross references.

It is important that the post install routine IB20P411 NOT be deleted prior to the running of the background tasked job. At the completion of the background tasked job, the installer will receive a MailMan message indicating the post install routine may be removed from the site's system.

=====INSTALLATION INSTRUCTIONS =====

To avoid disruptions, these patches should be installed when users are not on the system and during non-peak hours. Of particular concern would be the items below.

1. Do not install the patch when ECME claims are being generated by the BPS Nightly Background Job option [BPS NIGHTLY BACKGROUND JOB]. Wait for this job to finish or complete the installation before this job starts.
2. Do not install the patch when prescriptions are being transmitted to CMOP. Wait for the CMOP transmission to finish or complete the installation before the transmission starts. Check with Pharmacy Service or your pharmacy Automated Data Processing Application Coordinator (ADPAC) to find out when CMOP transmissions occur.
3. In addition, note that you will be prompted to disable the following options during the installation:

Patient Insurance Info View/Edit [IBCN PATIENT INSURANCE]
ECME [BPSMENU]
Third Party Joint Inquiry [IBJ THIRD PARTY JOINT INQUIRY]
ECME Billing Events Report [IB ECME BILLING EVENTS]

Install Time - Approximately 10 minutes

1. OBTAIN PATCHES

Obtain the host file BPS_1_8_PSO_IB.KID, which contains the following three patch installs:

BPS*1.0*8
PSO*7.0*290
IB*2.0*411

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_8_PSO_IB.KID host file is located in the anonymous.software directory. Use ASCII Mode when downloading the file.

3. 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:

4. LOAD TRANSPORT GLOBAL FOR MULTI-BUILD

After the installation of the stand-alone patches is complete, return to the Installation menu.

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_8_PSO_IB.KID (e.g., SYS\$SYSDEVICE:[ANONYMOUS]BPS_1_8_PSO_IB.KID).

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

The following will display:

Loading Distribution...

BPS PSO IB BUNDLE 4.0

BPS*1.0*8

PSO*7.0*290

IB*2.0*411

Use INSTALL NAME: BPS PSO IB BUNDLE 4.0 to install this Distribution.

7. 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 4.0):

- 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 DD's 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, DD's, 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.

8. 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 4.0.

- 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 4.0.
- c. For the BPS*1*8 patch, 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. For the PSO*7*290 patch, 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.
- e. For the IB*2*411 patch, 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.
- f. When prompted "Want KIDS to INHIBIT LOGONS during the install? YES//" enter NO.
- g. When prompted "Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//" enter YES.
- h. When prompted "Enter options you wish to mark as 'Out Of Order':" enter the following options:

Patient Insurance Info View/Edit [IBCN PATIENT INSURANCE]
ECME [BPSMENU]
Third Party Joint Inquiry [IBJ THIRD PARTY JOINT INQUIRY]
ECME Billing Events Report [IB ECME BILLING EVENTS]

- i. When prompted "Enter protocols you wish to mark as 'Out Of Order':" enter the following protocol:

IBCNSM PATIENT INSURANCE

- j. When prompted "Delay Install (Minutes): (0-60): 0//" enter an appropriate number of minutes to delay the installation in order to give users enough time to exit the disabled options before the installation starts.
- k. When prompted "Device: Home//" respond with the correct device.

The second line of each of the following routines now looks like:

;;2.0;INTEGRATED BILLING;**[Patch List]**;21-MAR-94;Build 29

Routine Information:

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

Routine Name: IB20P411	Before: n/a	After: B8564049	**411**
Routine Name: IBNCPDP	Before: B5165020	After: B5373340	**223,276,363,383,384,411**
Routine Name: IBNCPDP1	Before: B62284917	After: B86393869	**223,276,339,363,383,405,384,411**
Routine Name: IBNCPDP2	Before: B58655489	After: B63574984	**223,276,342,347,363,383,405,384,411**
Routine Name: IBNCPDP3	Before: B30631647	After: B32452413	**223,276,342,363,383,384,411**
Routine Name: IBNCPDP4	Before: B49164947	After: B55992890	**276,342,405,384,411**
Routine Name: IBNCPDP5	Before: n/a	After: B76631396	**411**
Routine Name: IBNCPDP6	Before: B12692205	After: B13230978	**383,384,411**
Routine Name: IBNCPDPI	Before: B7116772	After: B13118799	**276,383,384,411**
Routine Name: IBNCPDS1	Before: n/a	After: B11093951	**411**
Routine Name: IBNCPEV	Before: B85988869	After: B84818902	**342,363,383,384,411**
Routine Name: IBNCPEV1	Before: B46001454	After: B46733979	**342,339,363,411**
Routine Name: IBNCPLOG	Before: B61812598	After: B64598922	**342,339,363,383,411**
Routine Name: IBNCPUT3	Before: n/a	After: B15411272	**411**
Routine Name: IBOSRX	Before: n/a	After: B12228419	**411**
Routine Name: IBRFN	Before: B49715724	After: B52599969	**52,130,183,223,309,276,347,411**

Routine list of preceding patches: 384

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User Information:
Entered By   : ZEIGLER,EDWARD L   Date Entered  : DEC  4,2008
Completed By : TORRANCE,LORI      Date Completed: SEP  1,2010
Released By  :                    Date Released  :
=====
```

3. Enhancements

3.1. Technical Modifications

3.1.1 Modification to TPJI, Receipt Processing and Decrease Adjustment

This patch modifies the lookup of ePharmacy transactions to display additional information to assist in the bill selection. When a lookup for a bill is done and multiple matches are found, the insurance company name and a COB indicator will now be displayed.

Note: The Claims Tracking system is not updated with the results of secondary billing except in cases where the primary payer rejects the claim, but the secondary payer pays.

3.1.2 Changes to Support ePharmacy Secondary Billing

The ECME package has been modified to allow the user to submit an eClaim to secondary payers. IB software was modified to support secondary billing for ePharmacy claims in order to create secondary bills for specific insurance plans and rate types.

Note: The Claim Tracking system is not updated with the results of secondary billing.

3.1.3 Changes to IB ECME EVENTS Report

The IB ECME EVENTS Report was modified to capture, store, and display RX COB (payer sequence) indicators.

3.1.4 BILLINFO^IBNCPDPI API Modification

In order to support a new secondary billing functionality for ePharmacy, the IB API BILLINFO^IBNCPDPI (ICR#4729) was modified to accept a new parameter to pass in the payer sequence to return information for a specific bill—either primary or secondary.

3.1.5 RNB^IBNCPDPI API Addition

In order to provide a new secondary billing functionality for ePharmacy, the IB Application Programmer Interface (API) RNB^IBNCPDPI (ICR# 4729) was created in order to provide information about whether or not the Claims Tracking episode for a specific Prescription and Fill is billable.

3.1.6 New APIs for ePharmacy

In order to support a new secondary billing functionality for ePharmacy, three new APIs were introduced (ICR # 5355) in this patch: ISBILL^IBNCPUT3 (to determine if there is a bill with a given bill #); BILINF^IBNCPUT3 (to get bill details from file #399); RXBILL^IBNCPUT3 (to find bill(s) for the specific RX/refill).

3.1.7 New IB API to Support ECME Potential Secondary Rx Claims Report

The COLLECT^IBOSRX API (ICR # 5361) was designed to collect IB data for the ECME Potential Secondary Rx Claims Report.

3.1.8 Bill Matching Functionality

The code responsible for bill matching was adjusted to process correctly bills with different payer sequence (primary and secondary bills). Also modifications have been made to unify the matching process and use a 7-digit format with leading zeros for ECME number identifiers (BCID).

The post-install routine will loop through all ECME number identifiers and make sure they are 7 characters long.

3.1.9 Removing Non-standard Cross-references

The software was modified to not use the non-standard “AG” cross-references of the BILL/CLAIMS field (#399). The post-install routine will clean up the “AG” node of the file, removing part of the non-File Man standard cross-references.

3.1.10 New Action in Patient Insurance Management: RX COB Determination

A new ListManager action has been added to the Patient Insurance Management Screen to allow the user to quickly identify which of the patient’s insurance policies provide for pharmacy coverage as of a user specified prescription fill date. The name of the new action is “RX COB Determination”.

3.2. Issue Resolutions

There were no New Service Requests (NSRs) or Remedy Tickets associated with this patch.