

**Electronic Data Interchange (EDI)**

**New Standards and Operating Rules**

**VHA Provider-side**

**Technical Compliance Requirements**

**(VA118-1001-1018)**

eIV Provider Operating Rules

Integrated Billing (IB)

Release Notes/Installation Guide

**IB\*2\*497**

**January 2014**

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# Introduction

This Integrated Billing (IB) patch introduces substantial changes to

VistA's electronic Insurance Verification (eIV) Eligibility Inquiry and

Response Processing in order to meet the Committee on Operating Rules for

Information Exchange (CORE) Operating Rules.

 APPLICATION/VERSION PATCH

 ---------------------------------------------------------------

 INTEGRATED BILLING (IB) V. 2.0 IB\*2\*497

This patch (IB\*2\*497) is being released in the Kernel Installation and Distribution System(KIDS) distribution.

## Documentation Distribution

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

The preferred method is to FTP the files from REDACTED 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 REDACTED REDACTED

Hines REDACTED REDACTED

Salt Lake City REDACTED REDACTED

Documentation can also be found on the VA Software Documentation Library

at:http://WWW.va.gov/vdl/

Title File Name FTP Mode

-----------------------------------------------------------------------

Release Notes/Installation Guide ib\_2\_p497\_rn.pdf Binary

eIV User Guide ib\_2\_p497\_eIV\_ug.pdf Binary

EIV Technical Manual/Security Guide ib\_2\_p497\_eIV\_tm.pdf Binary

IB User Manual ib\_2\_p497\_um.pdf Binary

IB Technical Manual ib\_2\_p497\_tm.pdf Binary

*(This page included for two-sided copying.)*

# Patch Description and Installation Instructions

## Patch Description

VistA Patch Display Page: 1

==========================================================================

Run Date: JAN 14, 2014 Designation: IB\*2\*497 TEST v24

Package : INTEGRATED BILLING Priority : MANDATORY

Version : 2 Status : UNDER DEVELOPMENT

==========================================================================

Associated patches: (v)IB\*2\*62 <<= must be installed BEFORE `IB\*2\*497'

 (v)IB\*2\*141 <<= must be installed BEFORE `IB\*2\*497'

 (v)IB\*2\*263 <<= must be installed BEFORE `IB\*2\*497'

 (v)IB\*2\*359 <<= must be installed BEFORE `IB\*2\*497'

 (v)IB\*2\*444 <<= must be installed BEFORE `IB\*2\*497'

 (v)IB\*2\*458 <<= must be installed BEFORE `IB\*2\*497'

 (v)IB\*2\*467 <<= must be installed BEFORE `IB\*2\*497'

 (v)IB\*2\*473 <<= must be installed BEFORE `IB\*2\*497'

Subject: E-IV PROVIDER OPERATING RULES

Category: DATA DICTIONARY

 ROUTINE

 ENHANCEMENT

 OTHER

Description:

========================================================================

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Please read this patch description in its entirety before installing.

The post installation routine of this patch contains significant data

conversions. A purge of some of the eIV data files, IIV RESPONSE (#365)

and IIV TRANSMISSION QUEUE (#365.1), greatly reduces the conversion time.

When the purge was run at test sites prior to the install, the

installation of this patch took between 1-4 hours. When the files were

not purged prior to the install, the installation did not complete in a

reasonable amount of time.

Some sites have not purged eIV data in a long time, if ever. There is an

option, Purge eIV Transactions [IBCNE PURGE IIV DATA] option, built into

eIV to purge data. It allows old data to be purged, but retains at least

the last 6 months. Data older than 6 months in these files is not current

enough to be useful. There are instructions on how to run the purge later

in this patch description. If the files have not been recently

purged, this purge may result in significant journaling activity that

could fill up journal disks. System managers should be made aware so

that journal growth can be monitored and managed accordingly.

Unless your site routinely runs the purge, it is CRITICAL that the purge

is executed prior to the install! The purge should NOT be run on the same

night as the installation of this patch.

If for some reason the installer does not run the purge, the conversions

will take significantly longer and potential for journaling and

installation issues increase.

Finally, since the post installation takes quite a while depending on the

site, it is IMPERATIVE that this patch is queued for installation. This is

also explained in greater detail in the patch installation instructions

later in this patch description.

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This Integrated Billing (IB) patch introduces substantial changes to

VistA's electronic Insurance Verification (eIV) Eligibility Inquiry and

Response Processing in order to meet the Committee on Operating Rules for

Information Exchange (CORE) Operating Rules.

Complete list of patch items:

1. Allow VistA to accept all X12N/5010 codes and qualifiers without

validation since they have already been validated by the Eligibility

Communicator (EC) at the Financial Services Center (FSC) in Austin prior

to transmission to the VA Medical Centers (VAMC).

2. Allow Vista to accept, store and display additional

policy/benefit information sent from payers which include Military

Personal Information (X12N/5010 MPI), Provider Information (X12N/5010

PRV) and Health Care Diagnosis Code Information (X12N/5010 HI).

3. Provide the ability for users to view the AAA Error Reporting

Codes and corresponding textual description in the Response Report View

of Process Insurance Buffer [IBCN INSURANCE BUFFER PROCESS] when an

Error Reporting Code is received in response to an X12N/5010 Health Care

Eligibility Benefits Inquiry (270).

4. Transmit additional statistical information in the daily eIV

registration message (HL7 MFN message) to the FSC.

5. Transmit the NAME OF INSURED (#17) Field of the INSURANCE TYPE

SUB-FILE (#2.312) in the PID segment of the 270 HL7 message when the

patient is the subscriber and there is a value in the NAME OF INSURED

(#17) field.

6. Allow VistA to receive, store and display the AAA additional

Error Message Text on the Response Report View of the Process Insurance

Buffer [IBCN INSURANCE BUFFER PROCESS] when received in an X12N/5010

Health Care Eligibility Benefits Response.

7. A new option, Update Subscriber Info [IBCN UPDATE SUBSCRIBER

INFO], required to be scheduled upon installation, which updates

subscriber fields in the INSURANCE TYPE SUB-FILE (#2.312), with the

values stored in the PATIENT FILE (#2), when the PT. RELATIONSHIP -

HIPAA (#4.03) field is self (18) and the field is blank and the insurance

policy is Active. The option will then be added to the MCCR SYSTEM

DEFINITION MENU [IB SYSTEM DEFINITION MENU] and require the IB SUPERVISOR

key for future periodic use.

8. Remove Data from 11 Default Service Types codes stored in the IB

SITE PARAMETERS FILE (#350.9) and replace with the default SERVICE TYPE

CODE 30 - Health Benefit Plan Coverage.

9. Remove any site selected service type codes from the IB SITE

PARAMETERS FILE (#350.9).

10. Remove Medicare Insurance Intake option [IBCN MEDICARE INSURANCE

INTAKE].

11. A new Worklist/report, Medicare Potential COB Worklist [IBCNE

POTENTIAL COB LIST], of those patients whom Medicare has identified in a

271 HL7 response message as having insurance subsequent to their Medicare

insurance.

12. Provide the ability for users to select an eligibility date for

the Request Electronic Insurance Inquiry [IBCNE REQUEST INQUIRY] that is

within the last 12 months or the end of the current month, defaulting to

today's date if left blank.

13. Creation of Data Dictionary fields to allow the storage of

X12N/5010 Health Care Eligibility Benefits Response (271) data elements

to better align with HIPAA data lengths. Since many of the requested

fields part of Integration Control Registration Agreements (DBIA) with

other VistA Packages, the use of the larger storage capabilities will be

unavailable until the subscribing packages have sufficient time to be

remediated.

14. Reports and screen displays were modified to allow the display of

increased field lengths above. Even though most of the increased field

lengths will not be available until other packages using these fields are

remediated, the reports and screen needed to be changed to allow for that

eventuality.

Patch Components

======================================================================

The following is a list of field modifications included in this patch:

 Files & Fields Associated:

 File Name (#) New/Modified/

 Sub-file Name (#) Field Name (Number) Deleted

 ------------------- --------------------------------- -------------

 PATIENT (#2) Modified

 INSURANCE TYPE sub-file (#2.312) Modified

 \*SUBSCRIBER ID (#1) Modified

 INSURED'S STREET 1 (#3.06) Modified

 INSURED'S STREET 2 (#3.07) Modified

 INSURED'S CITY (#3.08) Modified

 NAME OF INSURED (#7.01) New

 SUBSCRIBER ID (#7.02) New

 MILITARY INFO STATUS CODE (#12.01) New

 MILITARY EMPLOYMENT STATUS (#12.02) New

 MILITARY GOVT AFFILIATION CODE New

 (#12.03)

 MILITARY PERSONNEL DESCRIPTION New

 (#12.04)

 MILITARY SERVICE RANK CODE (#12.05) New

 DATE TIME PERIOD FORMAT QUAL New

 (#12.06)

 DATE TIME PERIOD (#12.07) New

 \*NAME OF INSURED (#17) Modified

 HEALTH CARE CODE INFORMATION sub-file (#2.31211) New

 GROUP REFERENCE INFORMATION sub-file (#2.3129) New

 ELIGIBILITY/BENEFIT sub-file (#2.322) Modified

 ELIGIBILITY/BENEFIT INFO (#.02) Modified

 COVERAGE LEVEL (#.03) Modified

 INSURANCE TYPE (#.05) Modified

 TIME PERIOD QUALIFIER (#.07) Modified

 MONETARY AMOUNT (#.08) Modified

 QUANTITY QUALIFIER (#.1) Modified

 AUTHORIZATION/CERTIFICATION (#.12) Modified

 IN PLAN (#.13) Modified

 PROCEDURE CODING METHOD (#1.01) Modified

 ENTITY ID CODE (#3.01) Modified

 ENTITY TYPE (#3.02) Modified

 ENTITY ID QUALIFIER (#3.05) Modified

 ENTITY RELATIONSHIP CODE (#3.06) New

 LOCATION QUALIFIER (#4.08) Modified

 PROVIDER CODE (#5.01) Modified

 REFERENCE ID QUALIFIER (#5.03) Modified

 CONTACT INFORMATION sub-file (#2.3226) Modified

 \*COMMUNICATION NUMBER (#.03) Modified

 COMMUNICATION QUALIFIER (#.04) Modified

 COMMUNICATION NUMBER (#1) New

 HEALTHCARE SERVICES DELIVERY sub-file (#2.3227) Modified

 QUANTITY QUALIFIER (#.03) Modified

 UNITS OF MEASUREMENT (#.05) Modified

 TIME PERIOD QUALIFIER (#.07) Modified

 DELIVERY FREQUENCY (#.08) Modified

 DELIVERY PATTERN (#.09) Modified

 SUBSCRIBER DATES sub-file (#2.3228) Modified

 DATE QUALIFIER (#.03) Modified

 DATE FORMAT (#.04) Modified

 SUBSCRIBER ADDITIONAL INFO sub-file (#2.3229) Modified

 PLACE OF SERVICE (#.02) Modified

 QUALIFIER (#.04) Modified

 NATURE OF INJURY CODE (#.05) New

 NATURE OF INJURY CATEGORY (#.06) New

 NATURE OF INJURY TEXT (#.07) New

 SUBSCRIBER REFERENCE ID sub-file (#2.32291) Modified

 REFERENCE ID QUALIFIER (#.03) Modified

 SERVICE TYPES sub-file (#2.32292) Modified

 SERVICE TYPES (#.01) Modified

 GROUP PROVIDER INFO sub-file (#2.332) New

IB SITE PARAMETERS (#350.9) Modified

 DEFAULT SERVICE TYPE CODE 2 Modified

 (#60.02)

 DEFAULT SERVICE TYPE CODE 3 Modified

 (#60.03)

 DEFAULT SERVICE TYPE CODE 4 Modified

 (#60.04)

 DEFAULT SERVICE TYPE CODE 5 Modified

 (#60.05)

 DEFAULT SERVICE TYPE CODE 6 Modified

 (#60.06)

 DEFAULT SERVICE TYPE CODE 7 Modified

 (#60.07)

 DEFAULT SERVICE TYPE CODE 8 Modified

 (#60.08)

 DEFAULT SERVICE TYPE CODE 9 Modified

 (#60.09)

 DEFAULT SERVICE TYPE CODE 10 Modified

 (#60.1)

 DEFAULT SERVICE TYPE CODE 11 Modified

 (#60.11)

 LIMIT LENGTH OF EIV FIELDS? New

 (#62.01)

GROUP INSURANCE PLAN (#355.3) Modified

 \*GROUP NAME (#.03) Modified

 \*GROUP NUMBER (#.04) Modified

 GROUP NAME (#2.01) New

 GROUP NUMBER (#2.02) New

INSURANCE BUFFER (#355.33) Modified

 SERVICE DATE (#.18) New

 \*GROUP NAME (#40.02) Modified

 \*GROUP NUMBER (#40.03) Modified

 \*SUBSCRIBER ID (#60.04) Modified

 \*NAME OF INSURED (#60.07) Modified

 PT. RELATIONSHIP - HIPAA (#60.14) Modified

 GROUP NAME (#90.01) New

 GROUP NUMBER (#90.02) New

 SUBSCRIBER ID (#90.03) New

 NAME OF INSURED (#91.01) New

IIV RESPONSE (#365) Modified

 \*NAME OF INSURED (#1.01) Modified

 \*SUBSCRIBER ID (#1.05) Modified

 \*GROUP NAME (#1.06) Modified

 \*GROUP NUMBER (#1.07) Modified

 PT. RELATIONSHIP - HIPAA (#8.01) Modified

 MILITARY INFO STATUS CODE (#12.01) New

 MILITARY EMPLOYMENT STATUS (#12.02) New

 MILITARY GOVT AFFILIATION CODE New

 (#12.03)

 MILITARY PERSONNEL DESCRIPTION New

 (#12.04)

 MILITARY SERVICE RANK CODE (#12.05) New

 DATE TIME PERIOD FORMAT QUAL New

 (#12.06)

 DATE TIME PERIOD (#12.07) New

 NAME OF INSURED (#13.01) New

 SUBSCRIBER ID (#13.02) New

 GROUP NAME (#14.01) New

 GROUP NUMBER (#14.02) New

 HEALTH CARE CODE INFORMATION sub-file (#365.01) New

 ELIGIBILITY/BENEFIT sub-file (#365.02) Modified

 ELIGIBILITY/BENEFIT INFO (#.02) Modified

 COVERAGE LEVEL (#.03) Modified

 INSURANCE TYPE (#.05) Modified

 TIME PERIOD QUALIFIER (#.07) Modified

 MONETARY AMOUNT (#.08) Modified

 QUANTITY QUALIFIER (#.1) Modified

 AUTHORIZATION/CERTIFICATION (#.12) Modified

 IN PLAN (#.13) Modified

 PROCEDURE CODING METHOD (#1.01) Modified

 ENTITY ID CODE (#3.01) Modified

 ENTITY TYPE (#3.02) Modified

 ENTITY ID QUALIFIER (#3.05) Modified

 ENTITY RELATIONSHIP CODE (#3.06) New

 LOCATION QUALIFIER (#4.08) Modified

 PROVIDER CODE (#5.01) Modified

 REFERENCE ID QUALIFIER (#5.03) Modified

 CONTACT PERSON sub-file (#365.03) Modified

 \*COMMUNICATION NUMBER #1 (#.03) Modified

 \*COMMUNICATION NUMBER #2 (#.05) Modified

 \*COMMUNICATION NUMBER #3 (#.07) Modified

 COMMUNICATION NUMBER #1 (#1) New

 COMMUNICATION NUMBER #2 (#2) New

 COMMUNICATION NUMBER #3 (#3) New

 GROUP PROVIDER INFO sub-file (#365.04) New

 REJECT REASONS sub-file (#365.06) Modified

 REJECT REASON (#.03) Modified

 ACTION CODE (#.04) Modified

 ADDITIONAL MSGS sub-file (#365.061) New

 SUBSCRIBER DATES sub-file (#365.07) Modified

 DATE QUALIFIER (#.03) Modified

 GROUP REFERENCE INFORMATION sub-file (#365.09) New

 CONTACT INFORMATION sub-file (#365.26) Modified

 \*COMMUNICATION NUMBER (#.03) Modified

 COMMUNICATION QUALIFIER (#.04) Modified

 COMMUNICATION NUMBER (#1) New

 HEALTHCARE SERVICES DELIVERY sub-file (#365.27) Modified

 QUANTITY QUALIFIER (#.03) Modified

 UNITS OF MEASUREMENT (#.05) Modified

 TIME PERIOD QUALIFIER (#.07) Modified

 DELIVERY FREQUENCY (#.08) Modified

 DELIVERY PATTERN (#.09) Modified

 SUBSCRIBER DATES sub-file (#365.28) Modified

 DATE QUALIFIER (#.03) Modified

 DATE FORMAT (#.04) Modified

 SUBSCRIBER ADDITIONAL INFO sub-file (#365.29) Modified

 PLACE OF SERVICE (#.02) Modified

 QUALIFIER (#.04) Modified

 NATURE OF INJURY CODE (#.05) New

 NATURE OF INJURY CATEGORY (#.06) New

 NATURE OF INJURY TEXT (#.07) New

 SUBSCRIBER REFERENCE ID sub-file (#365.291) Modified

 REFERENCE ID QUALIFIER (#.03) Modified

 SERVICE TYPES sub-file (#365.292) Modified

 SERVICE TYPES (#.01) Modified

X12 271 REFERENCE IDENTIFICATION (#365.028) Modified

X12 271 UNITS OF MEASUREMENT (#365.029) New

X12 271 ENTITY RELATIONSHIP CODE (#365.031) New

X12 271 DATE FORMAT QUALIFIER (#365.032) New

X12 271 YES/NO RESPONSE CODE (#365.033) New

X12 271 LOCATION QUALIFER (#365.034) New

X12 271 PROCEDURE CODING METHOD (#365.035) New

X12 271 DELIVERY PATTERN (#365.036) New

X12 271 PATIENT RELATIONSHIP (#365.037) New

X12 271 INJURY CATEGORY (#365.038) New

X12 271 MILITARY PERSONNEL INFO STATUS CODE (#365.039) New

X12 271 MILITARY GOVT SERVICE AFFILIATION (#365.041) New

X12 271 MILITARY SERVICE RANK (#365.042) New

X12 271 ENTITY TYPE QUALIFIER (#365.043) New

X12 271 CODE LIST QUALIFIER (#365.044) New

X12 271 NATURE OF INJURY CODES (#365.045) New

X12 271 MILITARY EMPLOYMENT STATUS CODE (#365.046) New

IIV TRANSMISSION QUEUE (#365.1) Modified

 SERVICE TYPE CODE (#.2) New

IIV RESPONSE REVIEW (#365.2) New

Bulletins Associated:

 New/Modified/

Bulletin Name Deleted

------------- -------------

N/A

Dialogs Associated:

 New/Modified/

Dialog Name Deleted

----------- -------------

N/A

Forms Associated:

 New/Modified/

Form Name File Name (Number) Deleted

--------- ------------------ -------------

N/A

Functions Associated:

 New/Modified/

Function Name Deleted

------------- -------------

N/A

HL Logical Link:

 New/Modified/

HL Logical Name Deleted

--------------- -------------

N/A

HL7 Application Parameters:

 New/Modified/

HL7 Parameter Name Deleted

------------------ -------------

N/A

HLO Application Registry:

 New/Modified/

HLO Registry Name Deleted

----------------- -------------

N/A

Help Frames Associated:

 New/Modified/

Help Frame Name Deleted

--------------- -------------

N/A

Mail Groups Associated:

 New/Modified/

Mail Group Name Deleted

--------------- -------------

N/A

Options Associated:

 New/Modified/

Option Name Type Deleted

----------- ---- -------------

MCCR System Definition Menu menu Mofified

[IB SYSTEM DEFINITION MENU]

Medicare Insurance Intake run routine Delete

[IBCN MEDICARE INSURANCE

INTAKE]

Update Subscriber Info run routine New

[IBCN UPDATE SUBSCRIBER

INFO]

eIV Menu[IBCNE IIV MENU] menu Modified

Medicare Potential COB run routine New

Worklist[IBCNE POTENTIAL

COB LIST]

Parameter Definitions:

 New/Modified/

Parameter Name Deleted

-------------- -------------

N/A

Parameter Template:

 New/Modified/

Template Name Deleted

------------- -------------

N/A

Protocols Associated:

 New/Modified/

Protocol Name Deleted

------------- -------------

IBCNE MEDICARE COB New

IBCNE MEDICARE COB AC New

IBCNE MEDICARE COB CS New

IBCNE MEDICARE COB DISP New

IBCNE MEDICARE COB EE New

Remote Procedures Associated:

 New/Modified/

Remote Procedure Name Deleted

--------------------- -------------

N/A

Security Keys Associated:

 New/Modified/

Security Key Name Deleted

----------------- -------------

N/A

Templates, Input Associated:

 New/Modified/

Template Name Type File Name (Number) Deleted

------------- ---- ------------------ -------------

IBCN PATIENT Input PATIENT (#2) Modified

INSURANCE

IBCNE GENERAL Input IB SITE PARAMETERS (#350.9) Modified

PARAMETER EDIT

Templates, List Associated:

 New/Modified/

Template Name Type Deleted

------------- ---- -------------

IBCNE List Modified

ELIGIBILITY/BENEFIT

INFO

IBCNE MEDICARE List New

COB DISPLAY

IBCNE MEDICARE List New

COB LIST

Templates, Print Associated:

 New/Modified/

Template Name Type File Name (Number) Deleted

------------- ---- ------------------ -------------

N/A

Templates, Sort Associated:

 New/Modified/

Template Name Type File Name (Number) Deleted

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N/A

Additional Information:

N/A

New Service Requests (NSRs)

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20110503 - Electronic Data Interchange (EDI) New Standards and Operating

 Rules (Veterans Health Administration) VHA Provider-Side TCRs

Patient Safety Issues (PSIs)

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N/A

Remedy Ticket(s) & Overview

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N/A

Test Sites:

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REDACTED

## Pre/Post Installation Overview

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Please read this patch description in its entirety before installing.

The post installation routine of this patch contains significant data

conversions. A purge of some of the eIV data files, IIV RESPONSE (#365)

and IIV TRANSMISSION QUEUE (#365.1), greatly reduces the conversion time.

When the purge was run at test sites prior to the install, the

installation of this patch took between 1-4 hours. When the files were

not purged prior to the install, the installation did not complete in a

reasonable amount of time.

Some sites have not purged eIV data in a long time, if ever. There is an

option, Purge eIV Transactions [IBCNE PURGE IIV DATA] option, built into

eIV to purge data. It allows old data to be purged, but retains at least

the last 6 months. Data older than 6 months in these files is not current

enough to be useful. There are instructions on how to run the purge later

in this patch description. If the files have not been recently

purged, this purge may result in significant journaling activity that

could fill up journal disks. System managers should be made aware so

that journal growth can be monitored and managed accordingly.

Unless your site routinely runs the purge, it is CRITICAL that the purge

is executed prior to the install! The purge should NOT be run on the same

night as the installation of this patch.

If for some reason the installer does not run the purge, the conversions

will take significantly longer and potential for journaling and

installation issues increase.

Finally, since the post installation takes quite a while depending on the

site, it is IMPERATIVE that this patch is queued for installation. This is

also explained in greater detail in the patch installation instructions

later in this patch description.

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Pre/Post Installation Overview

-------------------------------------------------------------------------

1. As part of the requirement to accept all X12 codes and qualifiers

already validated prior to being sent to VistA in the 271 transaction

from FSC's Eligibility Communicator, a number of data elements contained

in entries in the IIV RESPONSE file (#365) and in the INSURANCE TYPE

sub-file (#2.312) of the PATIENT file (#2) need to be converted from a

SET OF CODES to POINTERS to specific code entries in the various X12

files. The post-install implements this data conversion. It first

converts the entries the IIV RESPONSE (#365) file and then continues with

the entries in the INSURANCE TYPE (#2.312) sub-file.

Although entries in the INSURANCE TYPE (#2.312) file CANNOT be purged, it

is strongly recommended that any entries in the IIV RESPONSE file (#365)

that are older than 6 months be purged. This purge can have a

significant impact on how long it takes to run the install with respect

to the data conversion depending when the last time this file was

purged. In some cases it has never been purged and contains almost ten

years of response data. Please refer to the pre-installation

instructions for performing the purge.

2. In order to satisfy the requirement of being able to store longer

fields, a number of fields needed to be duplicated and the post-install

will copy data from the shorter fields to the new, longer fields.

3. A one-time subscriber update utility must be scheduled upon

installation of the patch. Unless the installation is queued, the

post-install will prompt the installer of the patch to schedule this

activity for off-hours. If the installation is queued, the new update

utility will be scheduled for Tomorrow at 9 PM. This is in order to

give the conversions time to complete. NOTE: This part of the process

does NOT require that IB users be off the system, or un-scheduling of

the eIV Nightly Process [IBCNE IIV BATCH PROCESS] option.

4. The eIV Nightly Process [IBCNE IIV BATCH PROCESS] option will

need to be unscheduled before performing the installation of the patch.

Once the installation and post-install conversion procedures are

completed, the option will need to be rescheduled.

## Installation Instructions

Pre-Installation Instructions

-------------------------------------------------------------------------

The following 2 tasks should be performed before installing IB\*2\*497.

1. Purge eIV Transactions [IBCNE PURGE IIV DATA] option

----------------------------------------------------

To help reduce the time it takes to perform the installation due

to the data conversion, it is strongly recommended that a day or

two before installing the patch, the Purge eIV Transactions [IBCNE PURGE

IIV DATA] option should be run in order to purge the eligible response

records. This option schedules the purge to run at 8 pm TODAY. If it

is already past 8 PM today, it should start up almost immediately.

Note: Please make sure the purge has completed prior to running the

install. The purge process does NOT require that IB users be off the

system, or un-scheduling of the eIV Nightly Process [IBCNE IIV BATCH

PROCESS] option.

Example of running the eIV option below:

Select OPTION NAME: IBCNE PURGE IIV DATA Purge eIV Transactions

Purge eIV Transactions

 Purge Electronic Insurance Verification (eIV) Data Files

 This option will allow you to purge data from the eIV Response File

(#365) and the eIV Transmission Queue File (#365.1). The data must be at

least six months old before it can be purged. Only insurance transactions

that have a transmission status of "Response Received", "Communication

Failure", or "Cancelled" may be purged. You will be allowed to select a

date range for this purging. The default beginning date will be the date

of the oldest eligible record in the system. The default ending date will

be six months ago from today's date. You may modify this default date

range. However, you may not select an ending date that is more recent

than six months ago.

Enter the purge begin date: 10/10/2003// (OCT 10, 2003)

 Enter the purge end date: 03/05/2013// (MAR 05, 2013)

 You want to purge all eIV data created between 10/10/2003 and 03/05/2013.

 OK to continue? NO// YES

 Task# 155226 has been scheduled to purge the eIV data tonight at 8:00 PM.

2. eIV Nightly Process [IBCNE IIV BATCH PROCESS] option

 ----------------------------------------------------

Since the installation of this patch could take a number of hours

to complete due to the conversion procedures, it will be necessary to

unschedule the eIV Nightly Process [IBCNE IIV BATCH PROCESS] option

before installing the patch. An example of unscheduling this task

below:

Select Taskman Management <TEST ACCOUNT> Option: SCHEDule/Unschedule

Options

Select OPTION to schedule or reschedule: IBCNE IIV BATCH PROCESS

eIV NIGHT LY PROCESS

 ...OK? Yes// (Yes) (R)

 Edit Option Schedule

 Option Name: IBCNE IIV BATCH PROCESS

 Menu Text: eIV NIGHTLY PROCESS TASK ID: 279418

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 QUEUED TO RUN AT WHAT TIME: SEP 4,2013@07:00 @ ? Enter the '@' sign.

 This will automatically delete the date/time

 DEVICE FOR QUEUED JOB OUTPUT:

 QUEUED TO RUN ON VOLUME SET:

 RESCHEDULING FREQUENCY: 1D

 TASK PARAMETERS:

 SPECIAL QUEUEING:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Exit Save Next Page Refresh

 Enter a command or '^' followed by a caption to jump to a specific field.

 Edit Option Schedule

 Option Name: IBCNE IIV BATCH PROCESS

 Menu Text: eIV NIGHTLY PROCESS TASK ID:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 QUEUED TO RUN AT WHAT TIME:

 DEVICE FOR QUEUED JOB OUTPUT:

 QUEUED TO RUN ON VOLUME SET:

 RESCHEDULING FREQUENCY: 1D

 TASK PARAMETERS:

 SPECIAL QUEUEING:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Exit Save Next Page Refresh

 Enter a command or '^' followed by a caption to jump to a specific field.

 COMMAND: S ? Save the work Press <PF1>H for help

 Insert

 Edit Option Schedule

 Option Name: IBCNE IIV BATCH PROCESS

 Menu Text: eIV NIGHTLY PROCESS TASK ID:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

QUEUED TO RUN AT WHAT TIME:

 DEVICE FOR QUEUED JOB OUTPUT:

 QUEUED TO RUN ON VOLUME SET:

 RESCHEDULING FREQUENCY: 1D

 TASK PARAMETERS:

 SPECIAL QUEUEING:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Exit Save Next Page Refresh

 Enter a command or '^' followed by a caption to jump to a specific field.

 COMMAND: E ? Exit, You're done Press <PF1>H for

 help Insert

Installation Instructions

---------------------------------------------------------------------------

It is \*strongly\* recommended that this patch be installed outside of

normal working hours. This patch contains multiple file/field conversions

and running time depends on a number of factors. Running time could be

anywhere from a couple hours to numerous hours to install. Instructions

are provided for running install in background.

\*\*\*\* NO INTEGRATED BILLING USERS SHOULD BE ON THE SYSTEM DURING

INSTALLATION OF THIS PATCH. \*\*\*\*

\*\*\*\* Do not install this patch when the eIV NIGHTLY PROCESS [IBCNE IIV

BATCH PROCESS] background job is running or scheduled to run. Please refer

to the Pre-installation instructions for the unscheduling of this

option.\*\*\*\*

There are no additional menu options to disable.

1. Choose the PackMan message containing this patch.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.

3. 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 #(

 IB\*2.0\*497):

 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.

4. From the Installation Menu, select the Install Package(s) option and

 choose the patch to install.

5. When prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of

 Install? YES//'

 Options are being added as well as removed, so Rebuilding Menu Trees

 is recommended.

6. When prompted 'Want KIDS to INHIBIT LOGONs during the install?

 NO//'

7. When prompted 'Want to DISABLE Scheduled Options, Menu Options,

 and Protocols? NO//

 Again, no Integrated Billing Users should be on the system and install

 Should occur outside of normal working hours.

8. A one-time subscriber update utility must be scheduled upon

 installation of the patch. During installation, the post-install

 routine prompts for the installer to schedule the one time subscriber

 update utility and will not complete installation until it is

 scheduled. If the install is queued to run, it will automatically

 schedule this utility to run TOMORROW @ 9PM. \*\*\*Queuing install is

 strongly recommended\*\*\*

\*\*\*\*\*\*\*\* INSTRUCTION FOR QUEUEING INSTALL \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

8a. At the 'DEVICE:' prompt, enter 'Q' for Queue to run this in

 background. You will then be prompted for 'DEVICE:' again. This is

 for where you would like the output from the Queued install to be

 directed. You may enter NULL, HFS, or any other DEVICE that allows

 it to be accessed from a Queued job. If you choose not to queue the

 install, there is a good chance that this install will not complete

 without experiencing a network timeout and will need to be

 restarted. While it was written so that the post-install could pick

 up where it left off, the post-install conversion needs to complete

 as close to the install which includes the data dictionary changes as

 possible.

\*\*\*\*\*\*\*\* INSTRUCTION FOR RUNNING INSTALL IN FOREGROUND \*\*\*\*\*\*\*\*\*\*\*\*\*\*

8b. At the 'DEVICE' prompt, hit the return key which will enable the

 Install to run in the foreground. Installation results are displayed

 to the screen. The prompt to schedule the one-time subscriber update

 utility is issued to the installer. The following shows an example

 of the message and then the date/time prompt that is generated:

Creating Task to update the Insurance Type File...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* IMPORTANT!! \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

This option will scan through the entire Patient File for patients with

insurance where the relationship to insured is self. Certain fields in

Insurance Type sub-file will be updated to match the patient data if it

does not already exist. This will take a while and must be queued to run

in the background when there are few users on the system. The default is

Tomorrow at 9:00 p.m. AGAIN PLEASE NOTE: This tasked job does NOT require

that IB users be off the system, or un-scheduling of the eIV NIGHTLY

PROCESS [IBCNE IIV BATCH PROCESS] option when it runs.

Enter date/time to queue the option: T+1@2100//

Update Subscriber Information Scheduled for SEP 06, 2013@21:00

Post-Installation Instructions

--------------------------------------------------------------------------

1. In order to verify the post-install routine was run successfully,

 please examine the patch entry in the INSTALL file and report any error

 messages to Product Support.

2. After the installation has completed, and if allowed by your Kernel

 site parameter configuration, confirm the post-install routine,

 IBY497PO, was removed.

3. Once the patch has COMPLETED INSTALLATION, which can take several

 hours, reschedule the eIV NIGHTLY PROCESS [IBCNE IIV BATCH PROCESS]

 option that was unscheduled at pre-installation.

Routine Information:

====================

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

 ;;2.0;INTEGRATED BILLING;\*\*[Patch List]\*\*;21-MAR-94;Build 120

The checksums below are new checksums, and

 can be checked with CHECK1^XTSUMBLD.

Routine Name: IBCNBAC

 Before: B51548829 After: B51549169 \*\*184,497\*\*

Routine Name: IBCNBAR

 Before: B44012684 After: B44889067 \*\*82,240,345,413,416,497\*\*

Routine Name: IBCNBCD

 Before: B87228703 After: B99276499 \*\*82,251,361,371,416,438,452,497\*\*

Routine Name: IBCNBEE

 Before: B46620313 After: B45711543 \*\*82,184,252,251,356,361,371,

 377,416,438,452,497\*\*

Routine Name: IBCNBES

 Before: B7989957 After: B8711337 \*\*82,184,345,438,497\*\*

Routine Name: IBCNBES1

 Before: B5819262 After: B5819713 \*\*141,497\*\*

Routine Name: IBCNBLE

 Before: B85092127 After:B105786784 \*\*82,231,184,251,371,416,435,

 452,497\*\*

Routine Name: IBCNBLP

 Before: B24695524 After: B25507553 \*\*82,497\*\*

Routine Name: IBCNBMI

 Before: B90850379 After: B91864404 \*\*82,184,246,251,299,345,361,

 371,413,416,438,452,497\*\*

Routine Name: IBCNBU1

 Before: B33733092 After: B34498281 \*\*82,184,263,438,497\*\*

Routine Name: IBCNEBF

 Before: B46987961 After: B46385823 \*\*184,271,361,371,416,438,497\*\*

Routine Name: IBCNEDE

 Before: B19636990 After: B34057908 \*\*184,271,300,416,438,497\*\*

Routine Name: IBCNEDE1

 Before: B43189276 After: B44623085 \*\*184,271,416,438,435,467,497\*\*

Routine Name: IBCNEDE5

 Before: B26929333 After: B28666402 \*\*184,271,416,497\*\*

Routine Name: IBCNEDE6

 Before: B32927570 After: B32414593 \*\*184,271,345,416,497\*\*

Routine Name: IBCNEDE7

 Before: B24645310 After: B27880444 \*\*271,416,438,497\*\*

Routine Name: IBCNEDST

 Before: n/a After: B52803166 \*\*497\*\*

Routine Name: IBCNEHL1

 Before:B244020766 After:B206919324 \*\*300,345,416,444,438,497\*\*

Routine Name: IBCNEHL2

 Before: B62824990 After: B70236887 \*\*300,345,416,438,497\*\*

Routine Name: IBCNEHL3

 Before: B72667613 After:B168485042 \*\*300,416,497\*\*

Routine Name: IBCNEHL4

 Before:B136544352 After:B174356077 \*\*300,416,438,497\*\*

Routine Name: IBCNEHL5

 Before: n/a After: B11250093 \*\*497\*\*

Routine Name: IBCNEHLM

 Before: B21127231 After: B26579443 \*\*184,251,300,416,438,497\*\*

Routine Name: IBCNEHLQ

 Before: B43557440 After: B44383583 \*\*184,271,300,361,416,438,467,497\*\*

Routine Name: IBCNEHLU

 Before: B53561238 After: B88168048 \*\*184,300,416,438,497\*\*

Routine Name: IBCNEQU

 Before:B109122026 After:B126099513 \*\*184,271,416,438,497\*\*

Routine Name: IBCNERPE

 Before: B42391865 After: B60593817 \*\*271,300,416,438,497\*\*

Routine Name: IBCNERPI

 Before: n/a After: B43723857 \*\*497\*\*

Routine Name: IBCNERTQ

 Before: B45372080 After: B44184624 \*\*438,467,497\*\*

Routine Name: IBCNES

 Before: B25439392 After: B28429551 \*\*416,438,497\*\*

Routine Name: IBCNES1

 Before:B120790247 After:B145502085 \*\*416,438,497\*\*

Routine Name: IBCNES3

 Before: n/a After: B25873283 \*\*497\*\*

Routine Name: IBCNESI

 Before: n/a After: B17756591 \*\*497\*\*

Routine Name: IBCNESI1

 Before: n/a After: B73077962 \*\*497\*\*

Routine Name: IBCNESI2

 Before: n/a After: B50676612 \*\*497\*\*

Routine Name: IBCNEUT1

 Before: B33603643 After: B35326232 \*\*184,497\*\*

Routine Name: IBCNEUT4

 Before: B50167663 After: B50266196 \*\*184,271,345,416,497\*\*

Routine Name: IBCNSC4

 Before: B17661433 After: B18086570 \*\*43,85,103,251,416,497\*\*

Routine Name: IBCNSEVT

 Before: B2530934 After: B4726698 \*\*6,497\*\*

Routine Name: IBCNSJ3

 Before: B16975505 After: B17659726 \*\*28,497\*\*

Routine Name: IBCNSM31

 Before: B20882944 After: B21224087 \*\*6,28,68,413,497\*\*

Routine Name: IBCNSM5

 Before: B20324152 After: B21379064 \*\*28,497\*\*

Routine Name: IBCNSMM1

 Before: B25964261 After: B27818840 \*\*103,359,497\*\*

Routine Name: IBCNSOK

 Before: B25432692 After: B26943633 \*\*497\*\*

Routine Name: IBCNSOK1

 Before: B12417789 After: B13344891 \*\*497\*\*

Routine Name: IBCNSP

 Before: B42954824 After: B48468493 \*\*6,28,43,52,85,251,363,371,416,497\*\*

Routine Name: IBCNSP0

 Before: B34211643 After: B37737467 \*\*28,43,52,85,93,103,137,229,

 251,363,371,399,438,458,497\*\*

Routine Name: IBCNSP01

 Before: B38322308 After: B52258890 \*\*43,52,85,251,371,377,416,452,497\*\*

Routine Name: IBCNSP1

 Before: B59835347 After: B60114361 \*\*6,28,40,43,52,85,103,361,371,

 377,497\*\*

Routine Name: IBCNSP3

 Before: B35837178 After: B38854605 \*\*28,52,85,251,371,497\*\*

Routine Name: IBCNSU2

 Before: B19118425 After: B19732446 \*\*28,62,497\*\*

Routine Name: IBCNSU41

 Before: B21365764 After: B22019975 \*\*52,211,240,497\*\*

Routine Name: IBCNUPD

 Before: n/a After: B15205533 \*\*497\*\*

Routine Name: IBJPI5

 Before: B37149088 After: B4489364 \*\*438,497\*\*

Routine Name: IBJTCA1

 Before: B53091604 After: B52135617 \*\*39,80,106,137,223,276,363,

 384,432,452,473,497\*\*

Routine Name: IBY497PO

 Before: n/a After:B137982293 \*\*497\*\*

Routine list of preceding patches: 62, 141, 359, 458, 467, 473

*(This page included for two-sided copying.)*

# Enhancements

The following features in VistA, Integrated Billing are affected by this effort:

## Process Insurance Buffer [IBCN INSURANCE BUFFER PROCESS]

* AAA Errors – Response Report

Provides the ability for users to view the Error Reporting Codes and corresponding textual description in the Response Report View of the Insurance Buffer when an error Reporting Code is received in response to an X12N/5010 Health Care Eligibility Benefits Inquiry (270).

* X12N/5010 271 Code Sets – Expanded Benefits

Provides the ability to receive the all Codes and Qualifiers in Expanded Benefits when received in an X12N/5010 Health Care Eligibility Benefits Response (271) without validation.

* X12N/5010 271 Code Sets – Expanded Benefits

Provides the ability to store the all Codes and Qualifiers in Expanded Benefits when received in an X12N/5010 Health Care Eligibility Benefits Response (271) without validation.

* X12N/5010 271 Code Sets – Expanded Benefits

Provides the ability to display the all Codes and Qualifiers in Expanded Benefits when received in an X12N/5010 Health Care Eligibility Benefits Response (271) without validation.

## HL7 Transactions Related to 270/271 Transactions/Daily Registration Messages

* Daily Statistics to FSC

Transmits additional statistical information in the daily eIV registration message (HL7 MFN message) to the FSC in Austin, Texas.

* 270 - Transmit Insured Name – Patient Subscriber

Transmits the NAME OF INSURED Field (2.312:17) in the PID segment of the 270 HL7 message when the patient is the subscriber and there is a value in the NAME OF INSURED field.

* 270 - Transmit Patient Name – Patient Subscriber

Transmits the NAME Field (2: .01) in the PID segment of the 270 HL7 message when the patient is the subscriber and there is no value in the Name of Insured field.

* 270 - Transmit Patient Name – Patient Not Subscriber

Continues to transmit the NAME Field (2: .01) in the PID segment and the NAME OF INSURED field in the GT1 segment (2.312:17) of the 270 HL7 message when the patient is not the subscriber.

* 270 - Extract – Default Service Type Codes

Automatically includes the 30-Health Benefit Plan Coverage default Service Type code replacing the current list of codes in the NTE segment of the 270 HL7 messages transmitted automatically through the buffer extract.

* 270 – Receive EB\*V~MSG\*additional Error Message Text~ – AAA Error Message Text

Provides the ability to receive the AAA additional Error Message Text when received in an X12N/5010 Health Care Eligibility Benefits Response.

* 270 – Store EB\*V~MSG\*additional Error Message Text~ – AAA Error Message Text

Provides the ability to store the AAA additional Error Message Text when received in an X12N/5010 Health Care Eligibility Benefits Response.

* 270 – Display EB\*V~MSG\*additional Error Message Text~ – AAA Error Message Text

Provides the ability to display the AAA additional Error Message Text on the Response Report View of the Insurance Buffer when received in an X12N/5010 Health Care Eligibility Benefits Response.

* 270 – Transmit Registration Message after initial installation of the Patch

Transmits a registration message upon initial installation of the software into production at each VAMC informing FSC of the upgrade to the new interface version.

## Patient Insurance Info View/Edit [IBCN PATIENT INSURANCE]

* Update Subscriber Information

Includes a new option required to be scheduled to update the subscriber fields in the Insurance Type file, with the values stored in the Patient file, upon installation of the software at a site when the patient’s relationship to the insured is self (18) and the field is blank and the insurance policy is Active.

## MCCR System Definition Menu [IB SYSTEM DEFINITION MENU]

* Add New Option for Subscriber Information

Includes a new option to provide the ability for users holding the IB SUPERVISOR KEY to update subscriber fields in the Insurance Type sub-file for all patients, with the values stored in the Patient file, when the patient’s relationship to the insured is self (18) and the field is blank and the insurance policy is Active.

* Store Default Service Type Codes

Stores only Service Type Code 30 – Health Benefit Plan Coverage in the IB Site Parameters file accessible from [MCCR Site Parameter Display/Edit].

* Site-defined Service Type Codes

No longer allow users to define Service Type codes by site, to be included automatically in 270 HL7 messages.

* Remove Existing Site-defined Service Type Codes

Updates the IB Site Parameters file (350.9) to remove all site-defined Service Type codes after the software is installed.

* Site-defined Service Type Codes Screen Display

No longer contains a section on the [MCCR Site Parameter Display/Edit] ListManager screen to display Service Type codes by site.

## Medicare Insurance Intake [IBCN MEDICARE INSURANCE INTAKE]

* Remove Medicare Insurance Intake Option

No longer provides the ability for users to enter Patient Insurance information through the Medicare Insurance Intake option, [IBCN MEDICARE INSURANCE INTAKE].

## Integrated Billing Reports

* Third Party Joint Inquiry [IBJ THIRD PARTY JOINT INQUIRY]
* Claims Tracking Edit [IBT EDIT BI TRACKING ENTRY]
* Patient Insurance Info View/Edit [IBCN PATIENT INSURANCE]
* Process Insurance Buffer [IBCN INSURANCE BUFFER PROCESS]
* eIV Response Report [IBCNE IIV RESPONSE REPORT]
* eIV Ambiguous Policy Report [IBCNE IIV AMBIGUOUS POLICY RPT]
* eIV Inactive Policy Report [IBCNE IIV INACTIVE POLICY RPT]

## Request Electronic Insurance Inquiry [IBCNE REQUEST INQUIRY]

* Eligibility Date Criteria
* Eligibility Date Default
* Eligibility Date Transmission
* 270 Individual Request - Default Service Type Codes
* 270 Individual Request - Default Service Type Codes