Health eligibility center

Atlanta, GA

geographic means test (GMT)

installation guide

IVMB\*2\*686

December 2002

Department of Veterans Affairs

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# Introduction

## Overview

On January 23, 2002, President Bush signed into law Public Law 107-135, *The Department of Veterans Affairs Health Care Programs Enhancement Act of 2001*. Section 202 of this Act requires the implementation of HUD indices to determine geographic income thresholds in support of more discrete means testing. Veterans in Priority Group 7 are eligible for treatment as a low-income family under section 3(b) of the United States Housing Act of 1973 (42 U.S.C. 1437a(b)) for the area in which such veterans reside, regardless of whether such veterans are treated as single person families under paragraph (3)(A) of such section 3(b) or as families under paragraph (3)(b). This Act also established Priority Group 8 for any veterans described in section 1710(a)(3) of titles 38 U.S.C. who are not covered by Priority Group 7.

Development of the GMT software is a combined effort on the part of Office of Policy and Planning (OPP), Office of Information (OI), and Chief Business Office (CBO).

A one-time conversion of Means Test Copay Required veterans who declined to provide income information, whose means test is greater than one year old or whose current income is greater than the MT threshold will occur only in the HEC Legacy system upon implementation of the GMT software. This conversion will determine whether these veterans should be placed in the new Priority Group 8 or the new GMT Copay Required means test status. The results of the conversion will be transmitted to all applicable VAMCs upon completion of the process.

During the processing of the GMT Conversion, a HEC user can monitor the progress by running the GMT Conversion Processing Report. Refer to the GMT Technical Manual for information about how to generate and use this report.

## Purpose

The purpose of Patch IVMB\*2\*686 is to implement the functionality defining Geographic Means Test (GMT). The purpose of this installation guide document is to provide guidance to technical staff who will be installing and maintaining the GMT software.

## Related Manuals

* GMT User Manual (IVMB\_2\_P686\_UM.PDF)
* GMT Technical Manual (IVMB\_2\_P686\_TM.PDF)
* GMT Release Notes (IVMB\_2\_P686\_RN.PDF)

# Preinstallation Considerations

## Patch Installation Sequence

Successful GMT implementation will require that all GMT patches are installed in the sequence specified in the following table. Implementation cannot proceed from one step to the next step until each step has been completed at all applicable facilities. Please note that installation of Patch IVMB\*2\*686 takes place as Step 3 in the table. Due to the data conversion and billing components, there can be no exception to this requirement.

| Step | Patches | Release to NVS | National Release to Field | Compliance Date | Comments |
| --- | --- | --- | --- | --- | --- |
| 1 | **IB Part 1**IB\*2.0\*179 | **9/20/02** | **9/25/02** | **9/30/02** | Effective Date: 10/1/02 |
| 2 | **AI Kernel**XU\*8\*246***The following patches are being released in HOST file DG\_53\_P454.KID:*****Enrollment V*IST*A Part 1**DG \*5.3\*454IVM\*2\*58**PIMS** DG\*5.3\*466SD\*5.3\*258  | **11/25/02** | **12/2/2002** | **12/4/2002** | 1. Release Kernel patch first; sites must install before PIMS & Enrollment patches.
2. Release PIMS & Enrollment patches in HOST file DG\_53\_P454.KID.
3. NVS sends patches to Hines Anonymous directory 11/29 and monitors replication to Albany & SLC servers 11/30 – 12/1.
4. Project Implementation Team will contact sites not in compliance on 12/5/02.
 |
| 3 | **HEC Legacy**IVMB\*2\*686 | **N/A**  | **Release to HEC Production** **12/9/02** | **12/11/02** | Monitor in HEC production 12/9-10-11 |
| 4 | ***The following files are being released in HOST file EAS\_1\_P13.KID:*****Enrollment V*IST*A Part 2**EAS\*1\*13DG\*5.3\*456IVM\*2\*62**IB Part 2**IB\*2.0\*183PRCA\*4.5\*181  | **12/5/02** | **12/16/02** | **12/19/02** | 1. Release PIMS & Enrollment patches in HOST file EAS\_1\_P13.KID.
2. NVS sends patches to Hines Anonymous directory 12/13 and monitors replication to Albany & SLC servers 12/13 – 12/14.
3. Project Implementation Team will contact sites not in compliance on 12/20/02.
 |
| 5 | ***All patches listed in Steps 1 – 4 above must be operational at sites on 1/03/03*** |
| 6 | IVM\*2\*67DG\*5.3\*481IB\*2.0\*202 | Approximately 2 weeks after conversion completion (date TBD) | TBD | TBD | Clean up patches to remove code no longer used after GMT conversion completes. Patches will be released in a HOST file.  |

## User Access to the GMT Menu Options

Users can access the following GMT options from the DCD Contact Representative Menu. Refer to the HEC GMT User Manual for instructions about how to use the options.

* GMT Threshold Address Lookup
* GMT Threshold Lookup by ZIP Code or City

## Other Software Versions Required

Your system must be running the following minimum software versions or higher to successfully implement and operate the GMT software:

* VA FileMan V. 22.0
* VA MailMan V. 8.0
* Kernel V. 8.0
* **V***IST***A** HL7 V. 1.6

## Routine List with Checksums

The following is a list of the routine(s) included in this patch. The second line of each of these routine(s) will look like:

 <tab>;;2.0;INCOME VERIFICATION;\*\*[patch list]\*\*;May 25, 1994

Routine name Before Patch After Patch Patch List

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

 AYAZ05 2854545 3307972 2,174,217,243,418

 521,635,680,692,693

 686

 AYAZ052 2458618 3222821 24,2,686

 AYCBBP1 14945427 14945472 256,450,686

 AYCBBUT7 7637796 7640520 256,455,686

 AYCBCADR 9334615 8914740 229,248,438,686

 AYCBCDT1 2118123 2219329 277,392,453,686

 AYCBCDT2 3442251 3563048 277,392,453,686

 AYCBCEN 9527364 9591679 277,392,399,453,497

 455,614,686

 AYCBCMN 13903817 13857767 277,510,455,463,601

 686

 AYCBEGT 2985576 2985658 392,453,487,614,686

 AYCBEGT1 5686287 5705082 392,614,686

 AYCBEGT3 9445095 9445136 392,427,614,686

 AYCBENA1 12281537 12810815 190,257,290,315,392

 453,485,506,523,455

 491,614,544,686

 AYCBENA4 5966573 6080039 392,455,614,686

 AYCBENAV 5179127 5260933 188,195,201,221,190

 257,287,295,330,359

 392,455,532,601,620

 686

Routine List with Checksums, continued

 AYCBHL71 1440223 2159093 356,686

 AYCBLTR1 4772449 4809075 178,189,394,392,398

 400,405,416,420,425

 411,453,487,535,567

 614,686

 AYCBLTRI 6870642 6870725 392,398,400,420,453

 487,686

 AYCBLTRV 7337952 7667540 198,248,392,411,453

 487,491,535,686

 AYCBPRI2 3229846 3242113 392,453,614,686

 AYCBPRIO 8449309 8724400 94,120,132,141,142

 188,235,241,392,453

 455,491,636,686

 AYCBRLT1 5920567 5974778 453,686

 AYCBRLT2 7320475 7590996 453,614,686

 AYCBTAAC 10277952 10280676 125,224,313,332,401,

 455,561,601,628,634,

 645,686

 AYCBUTIL 5599737 5607705 201,206,228,190,238

 356,277,392,455,491

 614,612,686

 AYCBUTL1 8931832 9169394 229,279,340,686

 AYCBUTL2 5663532 5666256 248,332,455,601,686

 AYCBVUTL 14563366 14972237 190,257,281,287,295

 340,332,392,401,417

 428,455,570,696,686

 AYCEPHPC 9795909 9998622 491,614,686

 AYCGMTLP N/A 7038181 686

 AYCGMTUL N/A 5381563 686

 AYCHLSA7 8435377 9003270 412,600,627,686

 AYCHZ07 11211015 12059203 642,687,695,712

 686

 AYCHZ071 5468937 5970580 642,695,686

 AYCHZ103 4628930 5140431 395,679,627,686

 AYCHZMT 7315236 7754183 642,626,694,695,686

 AYCMTSR1 18508183 18628695 600,630,646,682,686

 AYCMTSR2 12130488 12246613 600,630,646,682,686

 AYCMTSR3 10933079 11053591 646,682,686

 AYCNMF31 10126020 12039971 548,593,613,618,621,

 686

 AYCZIP 5459579 7385832 163,197,209,686

 IVMB686 N/A 2116679 686

 IVMB686P N/A 16910283 686

 IVMB686R N/A 20743316 686

 IVMB686U N/A 9094153 686

 IVMBAIL1 N/A 1830914 686

 IVMBAILK N/A 7270098 686

 IVMBZ05 6234409 6268459 3,1,105,123,642

 686

 IVMBZ05A 4046696 5002416 642,686

 IVMBZ07 9672313 12290494 1,83,90,95,126

 129,202,153,287,288

 392,407,455,491,530

 608,573,686

 IVMBZ071 5738489 5956608 83,95,530,686

 IVMBZ07A 6287478 6470255 72,3,83,90,95

 159,249,190,257,288

 295,335,356,395,501

 530,608,573,686

Routine List with Checksums, continued

 IVMBZ07B 5794104 7117119 501,562,651,626,683

 686

 IVMBZ07M 10455772 11006132 395,458,655,626,675

 681,683,694,686

 IVMBZ07N 9607645 9871077 395,458,626,686

 IVMBZ07O 13561980 14406724 458,626,544,694,686

 IVMBZMT 7066124 7521485 1,260,288,333,395

 455,562,626,686

 IVMD502 3237582 3261079 400,686

 IVMDAJ 2453451 3367251 475,566,686

 IVMDCAL 11817350 12773568 33,471,514,585,686

 IVMDCAL2 13232162 15605313 23,26,395,36,686

 IVMDCALP 12441494 14069789 395,36,590,655,675

 686

 IVMDCM01 14227905 14657065 638,686

 IVMDCMLT 31835597 32215616 638,686

 IVMDDOCK 6475131 6634552 686

 IVMDHDA 4300954 4432123 395,686

 IVMDHDA1 9249680 9321917 395,409,686

 IVMDMTA1 8397028 9565848 395,600,626,686

 IVMDMTA2 7690138 8166859 395,600,686

 IVMDNR 2621736 2860809 26,565,686

 IVMDPTA 3860357 5184122 395,626,686

 IVMDPTA1 12091698 12817528 395,36,626,627,686

 IVMDPTA4 6982785 8423945 409,686

 IVMDPTA5 7687972 8299039 409,544,686

 IVMDPTA6 9630675 9960754 409,686

 IVMDPTA7 12290506 12662886 409,686

 IVMDPTA8 10858816 11442188 409,686

 IVMDRFS 1959781 2160713 26,686

 IVMDRO2 10620643 11527651 36,686

 IVMDZ051 8216359 9015719 243,642,686

 IVMDZ103 4748885 5260386 395,627,686

 IVMEUTL2 3512557 3551369 94,167,534,686

 IVMEWL 13375515 12227735 6,8,31,252,686

 IVMEWL1 N/A 3135474 686

 IVMR5 4765414 4891551 3,686

# Installation Instructions

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

A T T E N T I O N

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

In order to avoid missing HL7 traffic while this patch is being installed,

* Place TaskMan in a WAIT state.
* Empty all HEC HL7 transmission queues before continuing.

The following scheduled options/tasks must be STOPPED or UNSCHEDULED in TaskMan before installation of Patch IVMB\*2\*686:

* SEND BATCH Z05S TO SITES FOR RECORD UPDATE [AYCB SEND Z05S]
* SEND BATCH Z11S TO SITES FOR RECORD UPDATE [AYCB SEND Z11S]
* Resend Enrollment Correspondence [AYCBLTR5 RESEND LETTERS]
* Generate Enrollment Letter File [AYCB FILE ENROLLMENT LETTER]
* Correspondence Status Report [AYCB CORRESPONDENCE STATUS REPORT]
* Resend MKN Messages not ACK'ed [AYCB AYCBMFK3]
* Purple Heart Priority Group Change Report [AYCEPH PRIORITY CHANGES REPORT]
* NED Nightly Update Process [AYCN NED UPDATE]
* Transmit Batch Financial(ORU~Z10) Updates [IVMD BATCH TRANSMISSIONS JOB]

Patch IVMB\*2\*686 can be loaded with users on the system; however, it should be installed outside of normal business hours to avoid any complications resulting from users on the system. Installation will take less than 30 minutes.

1. Use the **INSTALL/CHECK MESSAGE** option on the PackMan menu. [Note: TEXT PRINT/DISPLAY option in the PackMan menu will display the patch text only].
2. From the Kernel Installation and Distribution System (KIDS) menu, select the **Installation** menu.
3. From this menu, you may elect to use the following options (when prompted for INSTALL NAME, enter **IVMB\*2.0\*686**):
4. Backup a Transport Global - this option will create a backup message of any routines exported with the patch. It will NOT backup any other changes such as DDs or templates.
5. Compare Transport Global to Current System - this option will allow you to view all changes that will be made when the patch is installed. It compares all components of the patch (routines, DDs, templates, etc.).
6. Verify Checksums in Transport Global - this option will allow you to ensure the integrity of the routines that are in the transport global.
7. Print Transport Global - this option will allow you to view the components of the KIDS build.
	1. Use the **Install Package(s)** option and select the package **IVMB\*2.0\*686**.
	2. Respond **NO** when prompted “Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//”.
	3. Respond **NO** when prompted “Want KIDS to INHIBIT LOGONs during the install? YES//”.
	4. Respond **YES** when prompted “Want to DISABLE Scheduled options, Menu Options, and Protocols? YES//”.
	5. When prompted to select the options you would like to place out of order, enter the following:
* SEND BATCH Z05S TO SITES FOR RECORD UPDATES [**AYCB SEND Z05S**]
* SEND BATCH Z11S TO SITES FOR RECORD UPDATES [**AYCB SEND Z11S**]
* Transmit Batch Financial (ORU~Z10) Updates [**IVMD BATCH TRANSMISSIONS JOB**]
* Resend HL7 messages not ACK'ed [**IVMB IVMBACK3**]

9. After the installation has completed:

1. Reschedule any jobs that were unscheduled prior to installing this patch.
2. Remove TaskMan from the Wait State.

# Sample Installation

In the following sample installation, user responses are shown in **bold**.

D ^XUP

Setting up programmer environment

Terminal Type set to: C-VT320

Select OPTION NAME: **KERNEL** INSTALLATION & DISTRIBU XPD MAIN Kernel Installation & Distribution System

 Edits and Distribution ...

 Utilities ...

 Installation ...

Select Kernel Installation & Distribution System Option: **IN**stallation

 1 Load a Distribution

 2 Verify Checksums in Transport Global

 3 Print Transport Global

 4 Compare Transport Global to Current System

 5 Backup a Transport Global

 6 Install Package(s)

 Restart Install of Package(s)

 Unload a Distribution

Select Installation Option: **IN**stall Package(s)

Select INSTALL NAME: **IVMB\*2.0\*686** Loaded from Distribution 11/1/02@19:51:

15

 => IVMB\*2\*686 TEST v24

This Distribution was loaded on Nov 01, 2002@19:51:15 with header of

 IVMB\*2\*686 TEST v24

 It consisted of the following Install(s):

 IVMB\*2.0\*686

Checking Install for Package IVMB\*2.0\*686

Install Questions for IVMB\*2.0\*686

Incoming Files:

 300.11 VETERANS ID & VERIFICATION ACCESS (Partial Definition)

Note: You already have the 'VETERANS ID & VERIFICATION ACCESS' File.

 300.12 IVM MASTER CLIENT (Partial Definition)

Note: You already have the 'IVM MASTER CLIENT' File.

 300.13 IVM CLIENT INCOME (Partial Definition)

Note: You already have the 'IVM CLIENT INCOME' File.

 300.132 ENROLLMENT (Partial Definition)

Note: You already have the 'ENROLLMENT' File.

 300.9 IVM COUNTY CODES (Partial Definition)

Note: You already have the 'IVM COUNTY CODES' File.

 301.1 DCD FINANCIAL/INCOME TEST DATA (Partial Definition)

Note: You already have the 'DCD FINANCIAL/INCOME TEST DATA ' File.

 742024 PRIORITIZATION RULES (including data)

Note: You already have the 'PRIORITIZATION RULES' File.

I will OVERWRITE your data with mine.

 742060 ENROLLMENT GROUP THRESHOLD (Partial Definition)

Note: You already have the 'ENROLLMENT GROUP THRESHOLD' File.

 742070 HEC PARAMETER (Partial Definition)

Note: You already have the 'HEC PARAMETER' File.

 742087 GMT THRESHOLDS (including data)

Note: You already have the 'GMT THRESHOLDS' File.

I will REPLACE your data with mine.

 742096 GMT MSA (including data)

Note: You already have the 'GMT MSA' File.

I will REPLACE your data with mine.

 742098 CONVERSION LETTER FILE

Note: You already have the 'CONVERSION LETTER FILE' File.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES// **N**O

Want KIDS to INHIBIT LOGONs during the install? YES// NO

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// **N**O

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

DEVICE: HOME// **<ENTER>** GENERIC INCOMING TELNET

 Install Started for IVMB\*2.0\*686 :

 Nov 01, 2002@19:54:16

Build Distribution Date: Nov 01, 2002

 Installing Routines:

 Nov 01, 2002@19:54:21

 Running Pre-Install Routine: PRE^IVMB686

 Installing Data Dictionaries: ...

 Nov 01, 2002@19:54:26

 Installing Data:

 Nov 01, 2002@20:07:35

 Installing PACKAGE COMPONENTS:

 Installing INPUT TEMPLATE

 Installing FORM

 Installing OPTION

 Nov 01, 2002@20:07:37

 Running Post-Install Routine: POST^IVMB686

IVMB\*2\*686 Post Install Processor

 Updating the NET WORTH CALCULATION field in the

HEC PARAMETER (#742070) file and the ENROLLMENT GROUP

THRESHOLD (#742060) file.

 Updating Routine file...

 Updating KIDS files...

 IVMB\*2.0\*686 Installed.

 Nov 01, 2002@20:08:07

 NO Install Message sent

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

 +------------------------------------------------------------+

 100% ¦ 25 50 75 ¦

Complete +------------------------------------------------------------+

Install Completed

 1 Load a Distribution

 2 Verify Checksums in Transport Global

 3 Print Transport Global

 4 Compare Transport Global to Current System

 5 Backup a Transport Global

 6 Install Package(s)

 Restart Install of Package(s)

 Unload a Distribution

Select Installation Option:

 Edits and Distribution ...

 Utilities ...

 Installation ...

Select Kernel Installation & Distribution System Option:

# Post-Installation Considerations

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**IMPORTANT**

Do **not** proceed with post-installation instructions until **after December 31, 2002**.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## GMT Conversion

After installation is completed, you must queue the GMT Conversion process via TaskMan to begin on the appropriate date (on or about January 3, 2003). **Do not run the conversion before January 1, 2003, or before you receive confirmation that all V*IST*A field sites have installed all patches associated with GMT.**

## Initiating the Conversion

To initiate the conversion process, invoke the one-time GMT Conversion option [IVMB PATCH 686 GMT CONVERSION]. If you opt to proceed with the conversion, the task will be queued via TaskMan to begin one hour in the future. In the following example, user responses are shown in **bold**.

 >**D ^XUP**

 Setting up programmer environment

 Terminal Type set to: C-VT320

 Select OPTION NAME: **IVMB PATCH 686 GMT CONVERSION**

 ONE-TIME GMT CONVERSION PROCESS for IVMB\*2\*686

 You are about to start the GMT Conversion

 process beginning with Master IEN #1.

 Do you want to continue? NO// **YES**

 Start up GMT Conversion processing --

 Request queued as Task #6365940.

 Task queued for 1/3/2003 12:36:28 am.

The conversion does not go through the IVM MASTER CLIENT File (#300.12) in one long, continuous process. The number of veteran records processed in any given run will depend upon the number of nodes contained in the AZ11 index of File #300.11 at the time. The GMT Conversion module holds a parameter which specifies the maximum number of nodes allowed in the AZ11 index. In any conversion run, the number of records to be converted will be:

Maximum allowed index nodes minus Current number of index nodes

If this difference is 100 or more, the task will proceed with the conversion; otherwise, the task is simply re-queued to start again one hour in the future. After this limited number has been processed, the conversion task will automatically queue itself again to run again one hour in the future in order to process the next batch of records. It will queue itself again until all enrolled veterans in File #300.12 have been processed. If the process is interrupted by a system shutdown or application error, you can restart it via the IVMB PATCH 686 GMT CONVERSION option. Once the GMT Conversion process has completed, you should either disable or delete the IVMB PATCH 686 GMTCONVERSION option.

The conversion parameter for the maximum allowable number of AZ11 nodes will be set to 25,000 when the conversion is initially tasked. It may be adjusted as needed by a user with programmer mode access. In the following example, user responses are shown in **bold**.

>**D MAXQ^IVMB686U**

Resetting maximum number of AZ11 nodes for GMT Conversion process --

Currently this maximum is set at: 25000

Maximum entries in AZ11 xref: (1000-50000): **50000**

Resetting...