

HEALTH ELIGIBILITY CENTER  
Atlanta, GA

GEOGRAPHIC MEANS TEST (GMT)

INSTALLATION GUIDE

IVMB\*2\*686

December 2002

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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	<b>IB Part 1</b> IB*2.0*179	9/20/02	9/25/02	9/30/02	Effective Date: 10/1/02
2	<b>AI Kernel</b> XU*8*246  <i>The following patches are being released in HOST file DG_53_P454.KID:</i>  <b>Enrollment VISTA Part 1</b> DG *5.3*454 IVM*2*58  <b>PIMS</b> DG*5.3*466 SD*5.3*258	11/25/02	12/2/2002	12/4/2002	<ol style="list-style-type: none"> <li>1. Release Kernel patch first; sites must install before PIMS &amp; Enrollment patches.</li> <li>2. Release PIMS &amp; Enrollment patches in HOST file DG_53_P454.KID.</li> <li>3. NVS sends patches to Hines Anonymous directory 11/29 and monitors replication to Albany &amp; SLC servers 11/30 – 12/1.</li> <li>4. Project Implementation Team will contact sites not in compliance on 12/5/02.</li> </ol>
3	<b>HEC Legacy</b> IVMB*2*686	N/A	<b>Release to HEC Production</b> 12/9/02	12/11/02	Monitor in HEC production 12/9-10-11
4	<i>The following files are being released in HOST file EAS_1_P13.KID:</i>  <b>Enrollment VISTA Part 2</b> EAS*1*13 DG*5.3*456 IVM*2*62  <b>IB Part 2</b> IB*2.0*183 PRCA*4.5*181	12/5/02	12/16/02	12/19/02	<ol style="list-style-type: none"> <li>1. Release PIMS &amp; Enrollment patches in HOST file EAS_1_P13.KID.</li> <li>2. NVS sends patches to Hines Anonymous directory 12/13 and monitors replication to Albany &amp; SLC servers 12/13 – 12/14.</li> <li>3. Project Implementation Team will contact sites not in compliance on 12/20/02.</li> </ol>
5	<i>All patches listed in Steps 1 – 4 above must be operational at sites on 1/03/03</i>				
6	IVM*2*67 DG*5.3*481 IB*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
- VISTA 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

\*\*\*\*\*  
**ATTENTION**  
\*\*\*\*\*

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**):
  - a. 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.
  - b. 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.).
  - c. Verify Checksums in Transport Global - this option will allow you to ensure the integrity of the routines that are in the transport global.
  - d. Print Transport Global - this option will allow you to view the components of the KIDS build.

4. Use the **Install Package(s)** option and select the package **IVMB\*2.0\*686**.
5. Respond **NO** when prompted “Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//”.
6. Respond **NO** when prompted “Want KIDS to INHIBIT LOGONs during the install? YES//”.
7. Respond **YES** when prompted “Want to DISABLE Scheduled options, Menu Options, and Protocols? YES//”.
8. 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:
  - a. Reschedule any jobs that were unscheduled prior to installing this patch.
  - b. 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 & DISTRIBUTION 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// **NO**

Want KIDS to INHIBIT LOGONS during the install? YES// **NO**

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// **NO**

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 VISTA 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...
```