Eligibility and Enrollment (E&E)

Veterans Health Information Systems and Technology Architecture (VistA)
Registration, Eligibility & Enrollment (REE)

DG_53_P1090.KID
Registration (DG) – DG*5.3*1090
Income Verification Match (IVM) – IVM*2.0*211

Release Notes

April 2023

Department of Veterans Affairs (VA)

Office of Information and Technology (OIT)

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1   Introduction

The release of VistA REE Host File DG_53_P1090.KID, which includes Registration (DG) patch DG*5.3*1090 and Income Verification Match (IVM) patch IVM*2.0*211, is being released to support enhancements for the Eligibility and Enrollment (E&E) program.

Host File DG_53_P1090.KID is also being released in support of the Veterans Health Administration (VHA) Enrollment System (VES) 6.5 release.

DG*5.3*1090 is an emergency patch. The national release date is April 19, 2023, with a two-day compliance period. This patch must be installed at all VistA sites by close of business on Friday April 21, 2023.

2   Purpose

The Release Notes cover the changes to VistA REE DG and IVM systems for this release.

3   Audience

This document targets users and administrators of VistA REE and applies to the changes made between this release and any previous release for this software.

4   This Release

This multi-package build is distributed as a Host File. Refer to the Software and Documentation Retrieval Instructions section of the patch descriptions for information on obtaining the Host File DG_53_P1090.KID and related documentation.

The following sections provide a summary of the enhancements and modifications to the existing software for VistA REE with the release of patches DG*5.3*1090 and IVM*2.0*211.

4.1 New Features and Functions Added

There are no new features or functions added to VistA REE for DG*5.3*1090 and IVM*2.0*211.

4.2 Enhancements and Modifications

The VistA enrollment process for Veterans with a qualifying Combat Episode currently calculates the expiration date of the Combat Veteran Eligibility period using the 5-year period provided by previous legislation. Patch DG*5.3*1090 changes the calculation to 10 years from the (last) Date of Service Separation and updates the requirement that Separation from Service be on or after October 01, 2013.

Patch DG*5.3*1090 modifies entry 25 AO CLAIMED W/OUT VIETNAM POS in the INCONSISTENT DATA ELEMENTS file (#38.6). The CHECK/DON'T CHECK field (#5)is set to DON'T CHECK and additional text is added to the DESCRIPTION field (#50).

Patch DG*5.3*1090 modifies entry 507 RAD EXPOSURE METHOD INVALID in the INCONSISTENT DATA ELEMENTS file (#38.6). The CHECK/DON'T CHECK field (#5) is set to DON'T CHECK, the USE FOR Z07 CHECK field (#6) is set to NO, and additional text is added to the DESCRIPTION field (#50).

Patch DG*5.3*1090 adds new values to the list of SET values in the AGENT ORANGE EXPOSURE LOCATION field (#.3213) in the PATIENT file (#2) and the AGENT ORANGE EXPOSURE LOCATION field (#50.22) in the PATIENT ENROLLMENT file (#27.11).

Patch DG*5.3*1090 adds new values to the list of SET values and modifies the Description in the RADIATION EXPOSURE METHOD field (#.3212) in the PATIENT file (#2) and the RADIATION EXPOSURE METHOD field (#76) in the PATIENT ENROLLMENT file (#27.11).

Patch DG*5.3*1090 modifies the ENVIRONMENTAL FACTORS sub-screen, accessed through Group [3] of the MILITARY SERVICE DATA, SCREEN <6> in VistA.

Patch DG*5.3*1090 modifies the Integration Control Registration (ICR) #10061 SVC^VADPT to use new values AGENT ORANGE EXPOSURE LOCATION (#2,.3213) and RADIATION EXPOSURE METHOD (#2,.3212).

Patch DG*5.3*1090 modifies the Health Level 7 (HL7) ORU/ORF-Z07 and ORU/ORF-Z11 messages. The field length for the Radiation Exposure Method in the ZEL segment Seq 22 is changed from 1 character to 2 characters.

Patch IVM*2.0*211 documents new values being added to the User-Defined VA HL7 Table (VA022 - Radiation Exposure Method) in the IVM Technical Manual.

Patch IVM*2.0*211 modifies the Consistency Checker logic to no longer check for rule 507, the RAD EXPOSURE METHOD INVALID consistency element.

Table 1 shows the enhancements and modifications included in the DG_53_P1090.KID release as tracked in Atlassian Jira.

Table 1: DG_53_P1090.KID Enhancements and Modifications

Jira Epic #	Summary
VES-26121	Change the Combat Veteran Eligibility End Date Requirement (VistA)
VES-26603	Add additional eligibility for Agent Orange and Ionizing Radiation (VistA REE)

List of Updates

DG*5.3*1090 makes the following enhancements to VistA REE:

```
******************************************************************
SECTION 1: DATA DICTIONARY UPDATES
******************************************************************
```

1. The CHECK/DON'T CHECK field (#5) in the INCONSISTENT DATA ELEMENTS file (#38.6) for entry 25 AO CLAIMED W/OUT VIETNAM POS is set to DON'T CHECK. Text is added to the DESCRIPTION field (#50):

```
NUMBER: 25                            NAME: AO CLAIMED W/OUT VIETNAM POS
  TEXT: AGENT ORANGE EXPOSURE INDICATED WITHOUT VIETNAM ERA PERIOD
        OF SERVICE
  KEY REQUIRED: SERVICE VERIFIED        SET ELIG DR STRING: NO
  CHECK/DON'T CHECK: DON'T CHECK        USE FOR Z07 CHECK: NO
 DESCRIPTION:   Inconsistency results if the patient is a veteran, the
 'EXPOSED TO AGENT ORANGE' prompt is answered YES, and the 'PERIOD OF
 SERVICE' prompt is not answered VIETNAM ERA (#7). This Inconsistency is
```

```
no longer valid with the addition of new Agent Orange Exposure Locations
with the PACT Act of 2022. This check has been set to DON'T CHECK by
patch DG*5.3*1090. This Consistency Check should not be changed to CHECK
at the local level.
```

2. The CHECK/DON'T CHECK field (#5) in the INCONSISTENT DATA ELEMENTS file (#38.6) for entry 507 RAD EXPOSURE METHOD INVALID is set to DON'T CHECK. The USE FOR Z07 CHECK field (#6) is set to NO. Text is added to the DESCRIPTION field (#50):

```
NUMBER: 507                          NAME: RAD EXPOSURE METHOD INVALID
 TEXT: RAD EXPOSURE METHOD MUST BE ENTERED SINCE RAD EXP INDICATOR IS YES
 KEY REQUIRED: NO KEY REQUIRED        SET ELIG DR STRING: NO
 CHECK/DON'T CHECK: DON'T CHECK       USE FOR Z07 CHECK: NO
DESCRIPTION:  Radiation Exposure Indicated is Yes and Radiation Exposure
Method is null. This Inconsistency is no longer valid with the addition
of new Radiation Exposure Methods with the PACT Act of 2022. This check
has been set to DON'T CHECK by patch DG*5.3*1090. This Consistency Check
should not be changed to CHECK at the local level.
```

3. New values THAILAND(U.S. OR ROYAL THAI MIL BASE); LAOS; CAMBODIA(MIMOT OR KREK,KAMPONG CHAM); GUAM, AMERICAN SAMOA, OR TERRITORIAL WATERS; and JOHNSTON ATOLL are added to the AGENT ORANGE EXPOSURE LOCATION field (#.3213) list of SET values in the PATIENT file (#2).

```
2,.3213        AGENT ORANGE EXPOSURE LOCATION .321;13 SET (Required)


               Agent Orange Exposure Location
                              'B' FOR BLUE WATER NAVY;
                              'K' FOR KOREAN DMZ;
                              'V' FOR VIETNAM;
                              'T' FOR THAILAND(U.S. OR ROYAL THAI MIL
                                   BASE);
                              'L' FOR LAOS;
                              'C' FOR CAMBODIA(MIMOT OR KREK,KAMPONG
                                   CHAM);
                              'G' FOR GUAM, AMERICAN SAMOA, OR
                                   TERRITORIAL WATERS;
                              'J' FOR JOHNSTON ATOLL;
                              'O' FOR OTHER;
               LAST EDITED:   JAN 06, 2023
               HELP-PROMPT:   Enter where the patient was exposed to
                              agent orange.
               DESCRIPTION:   For this veteran applicant who was exposed
                              to agent orange (EXPOSED TO AGENT ORANGE
                              prompt must be answered YES) enter the
                              location where the exposure occurred. Once
                              eligibility is verified in VES only VES
                              users may enter/edit this field. This
                              field cannot be deleted as long as agent
```

```
                            orange exposure is indicated.

            SCREEN:         S DIC("S")="I $$CHKAOEL^DGRP6EF(Y)"
            EXPLANATION:    Available locations are shown.
            DELETE TEST:    1,0)= S DFN=DA D AOD^DGLOCK1 I '$D(X)


            NOTES:          XXXX--CAN'T BE ALTERED EXCEPT BY
                            PROGRAMMER
                            TRIGGERED by the AGENT ORANGE EXPOS.
                            INDICATED? field of the PATIENT File


            CROSS-REFERENCE: 2^AENR3213^MUMPS
                            1)= D AUTOUPD^DGENA2(DA)
                            2)= D AUTOUPD^DGENA2(DA)
                            3)= DO NOT DELETE
                            This MUMPS cross-reference is used to
                            update the patient's current Patient
                            Enrollment record.
```

4. New values THAILAND(U.S. OR ROYAL THAI MIL BASE); LAOS; CAMBODIA(MIMOT OR KREK,KAMPONG CHAM); GUAM, AMERICAN SAMOA, OR TERRITORIAL WATERS; and JOHNSTON ATOLL are added to the AGENT ORANGE EXPOSURE LOCATION field (#50.22) list of SET values in the PATIENT ENROLLMENT file (#27.11).

```
27.11,50.22   AGENT ORANGE EXPOSURE LOCATION E;22 SET

                            'B' FOR BLUE WATER NAVY;
                            'K' FOR KOREAN DMZ;
                            'V' FOR VIETNAM;
                            'T' FOR THAILAND(U.S. OR ROYAL THAI MIL
                                BASE);
                            'L' FOR LAOS;
                            'C' FOR CAMBODIA(MIMOT OR KREK,KAMPONG
                                CHAM);
                            'G' FOR GUAM, AMERICAN SAMOA, OR
                                TERRITORIAL WATERS;
                            'J' FOR JOHNSTON ATOLL;
                            'O' FOR OTHER;
            LAST EDITED:    JAN 06, 2023
            HELP-PROMPT:    Enter where the patient was exposed to
                            agent orange.
            DESCRIPTION:    For this veteran applicant who was exposed
                            to agent orange (EXPOSED TO AGENT ORANGE
                            prompt must be answered YES) enter the
                            location where the exposure occurred.
```

5. New values ENEWETAK, EXPOS IN PALOMARES B52, and THULE AFB B52 are added to the list of SET values for the RADIATION EXPOSURE METHOD field (#.3212) of the PATIENT file (#2). The DESCRIPTION field text is updated.

```
2,.3212        RADIATION EXPOSURE METHOD .321;12 SET

                              '2' FOR HIROSHIMA/NAGASAKI;
                              '3' FOR ATMOS NUCLR TESTING;
                              '4' FOR H/N AND ATMOS TESTING;
                              '5' FOR UNDERGRD NUCLR TESTING;
                              '6' FOR EXPOS AT NUCLR FACILITY;
                              '7' FOR OTHER;
                              '8' FOR ENEWETAK;
                              '9' FOR EXPOS IN PALOMARES B52;
                              '10' FOR THULE AFB B52;
               LAST EDITED:   JAN 06, 2023
               HELP-PROMPT:   Select from the listing available the
                              method by which this patient was exposed
                              to ionizing radiation.
               DESCRIPTION:   This field represents the method by which
                              the exposure to ionizing radiation
                              occurred.
                              2) Hiroshima/Nagasaki - if the Veteran was
                              exposed to ionizing radiation as a POW or
                              while serving in Hiroshima and/or
                              Nagasaki, Japan from August 6, 1945
                              through July 1, 1946.

                              3) Atmos Nuclr Testing - if exposure
                              occurred at an atmospheric nuclear device
                              test site (e.g. the Pacific Islands, NM
                              or NV).

                              4) H/N and Atmos Testing - if exposure
                              occurred as a POW in Hiroshima or
                              Nagasaki AND at an atmospheric nuclear
                              device test site.

                              5) Undergrd Nuclr Testing - if exposure
                              occurred while at Longshot, Milrow, or
                              Cannikin underground nuclear tests at
                              Amchitka Island, AK prior to January 1,
                              1974.

                              6) Expos at Nuclr Facility - if exposure
                              occurred while at Department of Energy
                              plants at Paducah, KY, Portsmouth, OH or
```

the K25 area at Oak Ridge, TN for at least
250 days before February 1, 1992.

7) Other - a method that does not fit any
of the other categories.

8) Enewetak - if exposure occurred during
cleanup of Enewetak Atoll, from January 1,
1977, through December 31, 1980.

9) Expos in Palomares B52 - if exposure
occurred during cleanup of the Air Force
B-52 bomber carrying nuclear weapons off
the coast of Palomares, Spain, from
January 17, 1966, through March 31, 1967.

10) Thule AFB B52 - if exposure occurred
during the response to the fire onboard an
Air Force B-52 bomber carrying nuclear
weapons near Thule Air Force Base in
Greenland from January 21, 1968, to
September 25, 1968.

Only Veterans exposed by methods #2, 3,
4, 8, 9, or 10 are eligible for copayment
exemption or enrollment in priority 6
based on their Ionizing Radiation
exposure.

Only Veterans Health Administration
Enrollment System users may enter/edit
this field.

DELETE TEST: 1,0)= S DFN=DA D IRDˆDGLOCK1 I '$D(X)

GROUP: IRD
NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY
                  PROGRAMMER TRIGGERED by the RADIATION
                  EXPOSURE INDICATED? field of the PATIENT
                  File

CROSS-REFERENCE: 2ˆAENR3212ˆMUMPS
                  1)= D AUTOUPDˆDGENA2(DA)
                  2)= D AUTOUPDˆDGENA2(DA)
                  3)= DO NOT DELETE
                  This cross-reference is used to update the

```
                        patient's current Patient Enrollment
                        record.
```

6. New values ENEWETAK, EXPOS IN PALOMARES B52, and THULE AFB B52 are added to
   the list of SET values for the RADIATION EXPOSURE METHOD field (#76) of the PATIENT
   ENROLLMENT file (#27.11):

```
27.11,76        RADIATION EXPOSURE METHOD E;21 SET


                                '2' FOR HIROSHIMA/NAGASAKI;
                                '3' FOR ATMOS NUCLR TESTING;
                                '4' FOR H/N AND ATMOS TESTING;
                                '5' FOR UNDERGRD NUCLR TESTING;
                                '6' FOR EXPOS AT NUCLR FACILITY;
                                '7' FOR OTHER;
                                '8' FOR ENEWETAK;
                                '9' FOR EXPOS IN PALOMARES B52;
                                '10' FOR THULE AFB B52;
                LAST EDITED:    JAN 06, 2023
                DESCRIPTION:    The RADIATION EXPOSURE METHOD associated
                                with the enrollment priority
                                determination.


                                UNEDITABLE
```

****
SECTION 2: REGISTRATION SCREEN UPDATES
****

1. The [3] Environment Factors: sub-screen, accessed from the MILITARY SERVICE DATA,
   SCREEN <6> screen DATA GROUP [3] is modified:
   a. Editing is no longer allowed to the A/O Exp. and ION Rad. fields. An updated message is
      displayed stating this fact:

```
DGPATIENT,ONE (PREFERRED NAME)    MON DD, YYYY
###-##-####   NSC VETERAN
=========================================================================
                    **** ENVIRONMENTAL FACTORS ****


<1>    A/O Exp.: YES (JHST) Reg: 01/18/2021   Exam: 01/18/2021
<2>    ION Rad.: YES        Reg: 10/01/2005  Method: ENEWETAK
[3] SW Asia Cond:           Reg:              Exam:
[4]   N/T Radium:
<5> Camp Lejeune:


Only VES users may enter/edit Agent Orange or ION Radiation Exposure.


SELECT AN ENVIRONMENTAL FACTOR (3-4) OR (Q)UIT: QUIT//
```

Figure 1: Environmental Factors Sub-Screen

      b. New AGENT ORANGE EXPOSURE LOCATION abbreviations are displayed:
          i. THAILAND(U.S. OR ROYAL THAI MIL BASE) (THLD)
          ii. LAOS (LAOS)
          iii. CAMBODIA(MIMOT OR KREK,KAMPONG CHAM) (CAMB)
          iv. GUAM, AMERICAN SAMOA, OR TERRITORIAL WATERS (GUAM)
          v. JOHNSTON ATOLL (JHST)
2. The entire text of the AGENT ORANGE EXPOSURE LOCATION field (#.3213) of the
    PATIENT file (#2) is displayed on the Patient Enrollment screen. The field label is removed.

```
Patient Enrollment          Jan 18, 2023@13:05:52      Page: 2 of 4
Patient: DGPATIENT,ONE (####)                    NSC VETERAN
Preferred Facility: ZZ DUP ALBANY.VA.GOV          Current Enrollment
Preferred Facility Source: VISTA
+
         Date/Time Entered: JAN 12, 2023@11:59:21
                           Priority Factors
               POW:
         Purple Hrt:
           A/O Exp.: YES    JOHNSTON ATOLL
           ION Rad.: YES
      Rad Exp Method: EXPOS IN PALOMARES B52
        SW Asia Cond:
        Camp Lejeune:
 Mil Disab Retirement:                 Dischrg Due to Disab:
  Combat Vet End Date:
Eligible for MEDICAID:


       Svc Connected: NO                      SC Percent:
+        Query: TRANSMITTED         Notify:
EP  (Enroll Patient)     QS  Check Query Status   SP  Select Patient
PF  Preferred Facility   SQ  (Send Query)         AU  (View Upload Audit)
EH  Expand History       CD  Catastrophic Disab.  PZ  Print 1010EZ/EZR
Select Action:Next Screen//
```

Figure 2: Patient Enrollment Screen

3. The entire text of the AGENT ORANGE EXPOSURE LOCATION field (#.3213) of the PATIENT file (#2) is displayed on the Patient Enrollment History screen. The field label is removed.

```
Patient Enrollment History    Jan 18, 2023@13:41:22    Page:  2 of 4
Patient: DGPATIENT,ONE (####)                          NSC VETERAN
Preferred Facility: ZZ DUP ALBANY.VA.GOV               Prior Enrollment
Preferred Facility Source: VISTA
+
        Date/Time Entered: JAN 11, 2023@17:35:07
                            Priority Factors
                POW:
          Purple Hrt:
            A/O Exp.: YES    JOHNSTON ATOLL
            ION Rad.: YES
       Rad Exp Method: EXPOS IN PALOMARES B52
          SW Asia Cond:
          Camp Lejeune:
 Mil Disab Retirement:                     Dischrg Due to Disab:
   Combat Vet End Date:
Eligible for MEDICAID:


        Svc Connected: NO                         SC Percent:
+         Enter ?? for more actions



Select Action:Next Screen//
```

Figure 3: Patient Enrollment History Screen

```
************************************************************************
SECTION 3: ICR/API UPDATES
************************************************************************
```

The ICR #10061 VADPT Application Programming Interface (API) is updated.

The new AGENT ORANGE EXPOSURE LOCATION (#2,.3213) and RADIATION EXPOSURE METHOD (#2,.3212) values are stored in the (2,5) and (3,2) nodes of the array created by SVC^VADPT:

- VASV(1)=0
- VASV(1,1)=""
- VASV(1,2)=""
- VASV(2)=1
- VASV(2,1)="3210118^JAN 18,2021"
- VASV(2,2)="3210118^JAN 18,2021"
- VASV(2,3)=""
- VASV(2,4)=""
- VASV(2,5)="J^JOHNSTON ATOLL"
- VASV(3)=1
- VASV(3,1)="3051001^OCT 1,2005"

- VASV(3,2)="9^EXPOS IN PALOMARES B52"
- VASV(3,3)=9

****
SECTION 4: HL7 UPDATES
****

The field length for Radiation Exposure Method in the ZEL segment Seq 22 is changed from 1 character to 2 characters. ORU/ORF~Z07 and ORU/ORF~Z11 HL7 message processing is modified to support new values in the ZEL segment Seq 22 (Radiation Exposure Method) and ZEL segment Seq 29 (Agent Orange Exposure Location).

New values for Agent Orange Exposure Location are:

   i. T:THAILAND(U.S. OR ROYAL THAI MIL BASE)
  ii. L:LAOS
 iii. C:CAMBODIA(MIMOT OR KREK,KAMPONG CHAM)
  iv. G:GUAM, AMERICAN SAMOA, OR TERRITORIAL WATERS
   v. J:JOHNSTON ATOLL

New values Radiation Exposure Method are:

   i. '8':ENEWETAK
  ii. '9':EXPOS IN PALOMARES B52
 iii. '10':THULE AFB B52

****
SECTION 5: COMBAT VETERAN ELIGIBIITY UPDATES
****

The expiration date of the Combat Veteran Eligibility period is modified from 5 years to 10 years from the (last) Date of Service Separation and updates the requirement that Separation from Service be on or after October 01, 2013.

The Unsupported CV End Dates Report [DG UNSUPPORTED CV END DATE RPT] is modified to check that the (last) Date of Service Separation is on or after October 01, 2013.

IVM*2.0*211 makes the following modification to VistA REE:

Patch IVM*2.0*211 updates Table VA022 Radiation Exposure Method in the IVM Technical Manual to include Codes 5 – 10:
- '2' FOR HIROSHIMA/NAGASAKI;
- '3' FOR ATMOS NUCLR TESTING;
- '4' FOR H/N AND ATMOS TESTING;
- '5' FOR UNDERGRD NUCLR TESTING;
- '6' FOR EXPOS AT NUCLR FACILITY;
- '7' FOR OTHER;
- '8' FOR ENEWETAK;
- '9' FOR EXPOS IN PALOMARES B52;
- '10' FOR THULE AFB B52;

Patch IVM*2.0*211 modifies the Consistency Checker logic to no longer check for rule 507, the RAD EXPOSURE METHOD INVALID consistency element.

4.3   Known Issues

No known or open issues were identified in this release.

4.4 Product Documentation

The following documents apply to this release:

Documentation Title	File Name
DG_53_P1090.KID Release Notes	DG_5_3_P1090_RN.PDF
PIMS Version 5.3 Technical Manual	PIMS_TM.PDF
PIMS Version 5.3 User Manual - Registration Menu	PIMS_REG_UM.PDF
PIMS Version 5.3 User Manual - Supervisor ADT Menu	SADT_UM.PDF
IVM Version 2 Technical Manual	IVM_2_TM.PDF

Refer to the Software and Documentation Retrieval Instructions section of the patch descriptions for information on obtaining the Host File DG_53_P1090.KID and related documentation.

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