Non-VA Care Claims Processing Enhancements Computerized Patient Record System (CPRS) Interface to Healthcare Claims Processing System (HCPS)

INSTALLATION GUIDE

Patch GMRC*3.0*75

April 2015

Department of Veterans Affairs

Office of Information and Technology

Product Development

Revision History

Table i. Revision History

Date	Description	Project Mgr/Technical Writer
2/2015	Updated guide for T5 Build.	• Project Manager P. Yeager • Lead Developer P. Hua • Technical Writer J. Pappas
12/2014	Corrected information on setting up logical link	• Project Manager P. Yeager • Lead Developer P. Hua • Technical Writer J. Pappas
11/2014	Added Section 4 Back-out Procedures per B. Atwater	• Project Manager P. Yeager • Technical Writer J. Pappas
3/2014	Updated Guide based on feedback from E. Stoker	• Project Manager R. Weaver • Lead Developer P. Hua • Technical Writer J. Pappas
3/2014	This patch creates HL7 protocols, applications, a logical link and routines to send HL7 messages to the Health Care Claims System (HCPS) for Non VA Care consults.	• Project Manager R. Weaver • Lead Developer P. Hua • Technical Writer J. Pappas

Contents

1 Overview

This patch creates HL7 protocols, applications, a logical link and routines to send and receive HL7 messages between VistA and the Health Care Claims System (HCPS) for Non VA Care consults.

1.1 Enhancements

1. Created new HL7 components (protocols, applications, and a logical link) to support messages to HCPS. REF-I12 messages are sent for new or resubmitted consults. REF-I13 messages are sent for updates to consults (status changes, comments added, etc). REF-I14 messages are sent for cancelled and discontinued consults.

2. Created new routines GMRCHL7H and GMRCHL7P to receive consult event messages and generate outgoing HL7 v2.5 REF (patient referral) messages. Only consults with 'HCPS' in the SERVICE NAME (#.01) in REQUEST SERVICES (#123.5) will be transmitted to HCPS.

3. New routine GMRCHL7I processes incoming HL7 v2.5 RRI (return referral information messages.

4. Modified GMRCGUIB and GMRCACMT routines to send an HL7 v2.5 REF message to HCPS when a user adds a comment to a Non VA Care consult through Computerized Patient Record System (CPRS).

5. Created new routine GMRC75P to add the 'HCPS,APPLICATION PROXY' user to the NEW PERSON (#200) file.

1.2 Patch Components

Mail Groups Associated:

Mail Group	New/Modified/Deleted
GMRC HCP HL7 MESSAGES	New

Protocols Associated:

Protocol Name	New/Modified/Deleted
GMRC CONSULTS TO HCP	New
GMRC HCP REF-I12 SERVER	New
GMRC HCP REF-I12 CLIENT	New
GMRC HCP REF-I13 SERVER	New
GMRC HCP REF-I13 CLIENT	New
GMRC HCP REF-I14 SERVER	New
GMRC HCP REF-I14 CLIENT	New
GMRC HCP RRI-I13 SERVER	New
GMRC HCP RRI-I13 CLIENT	New

HL7 Applications Associated:

HL7 Application Name	New/Modified/Deleted
GMRC HCP SEND	New
GMRC HCP RECEIVE	New

HL Logical Links Associated:

HL7 Logical Link Name	New/Modified/Deleted
GMRCHCP	New

Routines Associated:

Routine Name	New/Modified/Deleted
GMRCACMT	Modified
GMRCGUIB	Modified
GMRCHL7H	New
GMRCHL7I	New
GMRCHL7P	New
GMRC75P	New

1.3 Document Retrieval

Updated documentation describing the new functionality introduced by this bundle is available.

Documentation can also be found on the VA Software Document Library at:
http://www4.va.gov/vdl/

File Description	File Name
Consult/Request Tracking Technical Manual	CONSTM.DOC and CONSTM.PDF
Consult/Request User Guide	CONSUM.DOC and CONSUM.PDF
Non-VA Care Release Notes GMRC*3.0*75	GMRC3_0_75RN.DOC and GMRC3_0_75RN.PDF

2 Patch Installation

The following instructions cover the installation of the GMRC*3.0*75 patch.

2.1 Installation Instructions

This patch may be installed with users on the system although it is recommended that it be installed during non-peak hours to minimize potential disruption to users.

This patch should take less than 10 minutes to install and configure.

No options need to be disabled when installing the patch.

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 options:

   (When prompted for the INSTALL enter the patch GMRC*3.0*75)

   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 DDs or templates.

   b. Compare Transport Global to Current System - This option will allow you to view all changes that occur when this patch is installed. It compares all components of this 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.

4. From the Installation Menu, select the Install Package(s) option. When prompted for the INSTALL enter GMRC*3.0*75

5. When prompted 'Enter the Coordinator for Mail Group 'GMRC HCP HL7 MESSAGES':' answer with a valid user and press Enter. Clinical Applications Coordinators and anyone deemed appropriate should be added by the IRM to this mail group.

6. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO//' answer NO

7. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//' answer NO

8. If prompted 'Delay Install (Minutes): (0 - 60): 0//' respond 0.

3 Post-Installation Instructions

Note: The installation site will be contacted by the Chief Business Office (CBO) when and if the Post-Install instructions are to be followed. If a logical link needs to be set up, the DNS Domain and TCP/IP port information will be provided at that time.

3.1 Setup the SENDING FACILITY

1. Using the HL7 Main Menu [HL MAIN MENU] option, select the Interface Developer Options [HL MENU INTERFACE TK] menu.
2. Select the EA Application Edit [HL EDIT APPL PARAM] option.
3. Enter GMRC HCP SEND at the Select HL7 APPLICATION PARAMETER NAME: prompt.
4. Enter your Facility Id in the FACILITY NAME field (e.g., 583).

```
                            HL7 APPLICATION EDIT
--------------------------------------------------------------------------------

            NAME: GMRC HCP SEND                         ACTIVE/INACTIVE: ACTIVE

     FACILITY NAME: **ENTER YOUR FACILITY**                 COUNTRY CODE: USA

HL7 FIELD SEPARATOR: |                         HL7 ENCODING CHARACTERS: ^~\&

MAIL GROUP:
```

5. Save and Exit the screen.

3.2 Setup the RECEIVING FACILITY

1. Enter RETURN to continue or '^' to exit.
2. Using the HL7 Main Menu [HL MAIN MENU] option, select the Interface Developer Options [HL MENU INTERFACE TK] menu.
3. Select the EA Application Edit [HL EDIT APPL PARAM] option.
4. Enter GMRC HCP RECEIVE at the Select HL7 APPLICATION PARAMETER NAME: prompt.
5. Enter 200 in the FACILITY NAME field for the HCPS facility.

```
                            HL7 APPLICATION EDIT
--------------------------------------------------------------------------------

            NAME: GMRC HCP RECEIVE                      ACTIVE/INACTIVE: ACTIVE

     FACILITY NAME: 200                                    COUNTRY CODE: USA
```

```
HL7 FIELD SEPARATOR: |                        HL7 ENCODING CHARACTERS: ^~\&

MAIL GROUP:
```

6. Save and Exit the screen.

3.3 Setup the LOGICAL LINK

1. Using the HL7 Main Menu [HL MAIN MENU] option, select the Interface Developer Options [HL MENU INTERFACE TK] menu.

2. Select the EL Link Edit [HL EDIT LOGICAL LINKS] option.

3. Enter GMRCHCP at the Select HL LOGICAL LINK NODE prompt.

4. Ensure TCP is the LLP Type.

5. Enter the provided DNS DOMAIN field.

```
                              HL7 LOGICAL LINK
--------------------------------------------------------------------------------

           NODE: GMRCHCP                          DESCRIPTION:

    INSTITUTION:

 MAILMAN DOMAIN:

      AUTOSTART:

     QUEUE SIZE: 10

       LLP TYPE:

     DNS DOMAIN: TO BE PROVIDED
COMMAND:                                              PRESS <PF1>H FOR HELP
```

6. Hit Enter on the TCP field to edit page 2.

7. Enter the provided TCP/IP Port.

```
                            HL7 LOGICAL LINK
      ----------------------------------------------------------------------
      ----------------------TCP LOWER LEVEL PARAMETERS------------------
      -                       GMRCHCP                                  -
      -                                                                -
      -  TCP/IP SERVICE TYPE: CLIENT (SENDER)                          -
      -      TCP/IP ADDRESS:                        [LEAVE BLANK]      -
      -         TCP/IP PORT: TO BE PROVIDED                            -
      -         TCP/IP PORT (OPTIMIZED):                               -
      -                                                                -
      -  ACK TIMEOUT:             RE-TRANSMISION ATTEMPTS:             -
      - READ TIMEOUT:          EXCEED RE-TRANSMIT ACTION: RESTART      -
      -   BLOCK SIZE:                            SAY HELO:             -
      -                           TCP/IP OPENFAIL TIMEOUT:             -

      ENTER RETURN TO CONTINUE OR '^' TO EXIT:
        -STARTUP NODE:                          PERSISTENT: NO         -
```

```
   -    RETENTION: 30                    UNI-DIRECTIONAL WAIT:          -
        --------------------------------------------------------------------
     --------------------------------------------------------------------------
```

8. Save and Exit the screens.

3.4 Setup GMRC CONSULTS TO HCP protocol

Use FileMan's Enter or Edit File Entries option to add the GMRC CONSULTS TO HCP
protocol to the GMRC EVSEND OR protocol ITEM multiple.

```
   SELECT VA FILEMAN OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: PROTOCOL// 101  PROTOCOL  (5806 ENTRIES)
     EDIT WHICH FIELD: ALL// ITEM
          1    ITEM    (MULTIPLE)
          2    ITEM TEXT
     CHOOSE 1-2: 1  ITEM  (MULTIPLE)
        EDIT WHICH ITEM SUB-FIELD: ALL//
     THEN EDIT FIELD:

     SELECT PROTOCOL NAME: GMRC EVSEND OR    CONSULTS EVENT SENT TO OE/RR
     SELECT ITEM: EDP MONITOR// GMRC CONSULTS TO HCP      CONSULTS TO HCP
       MNEMONIC:
       SEQUENCE:
       MODIFYING ACTION:
       FORMAT CODE:
       DISPLAY NAME:
       PROMPT:
       DEFAULT:
       HELP:
       MODE:
     SELECT ITEM:
```

4 Back-out Procedures

Since there are no structural changes for this patch, restoring from the transport global will back-
out the patch changes. In addition, the four new routines listed in the patch description and
section 1.2 will need to be removed manually. As necessary, please follow local processes and
approvals for this activity.