

November 2010

This distribution contains change pages for patch MD\*1.0\*20 of the Clinical Procedures 1.0 Implementation Guide.

The change pages for CP Patch 21, should be inserted before the change pages for CP Patch 20:

File Name:

MD\_1\_P20\_IMPG.PDF

Patch:

MD\*1.0\*20

Patch MD\*1.0\*20 pages:

Replace Pages:

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# **CLINICAL PROCEDURES IMPLEMENTATION GUIDE**

Version 1.0

April 2004

Revised November 2010

Department of Veterans Affairs  
Office of Information & Technology  
Office of Enterprise Development



## Revision History

Description	Date	Technical Writer
Originally released.	April 2004	
<sup>1</sup> Patch MD*1.0*4 released.	September 2006	Alfred Bustamante
<sup>2</sup> Patch MD*1.0*9 released November 2007. Update Setting up HL7 Parameter for port 5000 with CACHE.	February 2008	Shirley Ackerman
<sup>3</sup> Patch MD*1.0*14 released. Updated Setting Up Consults for Clinical Procedures, Exported XPAR Kernel Parameters, add new section called Scheduled Options. Added information about launching CP Gateway under the section Working with CP Gateway.	March 2008	Shirley Ackerman, Alfred Bustamante
<sup>4</sup> Patch MD*1.0*6 released. Updated MD namespace Clinical Procedures file list and CP Class Upload Header output display, added TIU prompts for adding new TIU Note Titles, added instrument warning for automated instruments, added Processing Application field, changed wording for Count/Non-count clinics, added new Exported Kernel XPAR parameters and screen capture, revised “Setting Up HL7 Parameters chapter for clarity, updated list of Instrument Processing Routines, added Appendix D – Exported Values For Hemodialysis Options.	May 2008	Alfred Bustamante
<sup>5</sup> Patch MD*1.0*11 released. Updated Setting Up Procedures, Exported Kernel XPAR Parameters, and Scheduled Options.	June 2009	Shirley Ackerman, Alfred Bustamante
<sup>6</sup> Patch MD*1.0*21 released. Updated Chapter 1 - General CP Package Information and added assigning options. Updated Step 2 of Setting up TIU for Clinical Procedures in Chapter 4, updated Kernel XPAR Parameter in Chapter 6, Added Chapter 7, Application Proxy, and Appendix E, High Volume Procedure Checklist. Added Step 3 – Create Ad Hoc Health Summary Components For CP to Chapter 10. Updated Ch 21 Index.	June 2010	Shirley Ackerman, Rachel Wilder

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<sup>1</sup> Patch MD\*1.0\*4 September 2006 Patch 4 release added.

<sup>2</sup> Patch MD\*1.0\*9 November 2007 Patch 9 release added.

<sup>3</sup> Patch MD\*1.0\*14 March 2008 Patch 14 release added.

<sup>4</sup> Patch MD\*1.0\*6 May 2008 Patch 6 release added.

<sup>5</sup> Patch MD\*1.0\*11 June 2009 Patch 11 release added.

<sup>6</sup>Patch MD\*1.0\*21 June 2010 Patch 21 release added.

<sup>1</sup> Patch MD*1.0*20 release added. Added list of tasks that can be queued. Updated Exported Kernel XPAR Parameters.	November 2010	Shirley Ackerman
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<sup>1</sup> Patch MD\*1.0\*20 November 2010 Patch 20 release added.

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## Related Manuals

Here is a list of related manuals that you may find helpful:

- Clinical Procedures Installation Guide
- Clinical Procedures Technical Manual and Package Security Guide
- Clinical Procedures User Manual
- Clinical Procedures Release Notes
- CPRS User Guide: GUI Version
- CPRS Setup Guide
- Consult/Request Tracking User Manual
- Consult/Request Tracking Technical Manual
- Text Integration Utilities (TIU) Implementation Guide
- Text Integration Utilities (TIU) User Manual
- VistA Imaging System (Clinical) User Manual

These manuals can be found in the [VistA Documentation Library \(VDL\)](http://www.va.gov/vdl), <http://www.va.gov/vdl>. Select **Clinical** from the VDL web page, select the package you want, and then select the manuals. For example, you can select CPRS on the left side of the page. The list of CPRS manuals is displayed.

<sup>1</sup> You may also want to read the CP Implementation Process (Webpage), which is available on the CP website. Go to <http://vista.med.va.gov/ClinicalSpecialties/clinproc/>. Point to **Clinical Procedures Project**, then click **Documentation**. When the Documentation page displays, click **Clinical Procedures Documents**, then click **The CP Implementation Process (Webpage)**. This list includes a high-level step-by-step guide to the installation and the implementation process.

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<sup>1</sup> MD\*1.0\*6 May 2008 Changed document name from “Site Installation Checklist” to “The CP Implementation Process (Webpage).” Revised directions to access the document.  
April 2004

## General CP Package Information

### 1. Name spacing and file listing.

Clinical Procedures is found in the MD namespace. All routines, templates and options begin with MD. File numbers range from 702 to 704 and are stored in the ^MDD and ^MDS globals. The range of 704.201 to 704.209 is stored in the ^MDK global. Here is a list of the Clinical Procedures files:

#702	CP Transaction
#702.01	CP Definition
#702.09	CP Instrument
#703.1	CP Result Report
<sup>1</sup> #703.9	CP Conversion File
#704.201	Hemodialysis Access Points File
#704.202	Hemodialysis Study File
#704.209	Hemodialysis Setting File

### 2. Queuing TaskMan jobs.

<sup>2</sup>Queued TaskMan jobs are associated with this application. Here is a list of options that can be scheduled:

```
MD SCHEDULED STUDIES
MD STUDY CHECK-IN
MD PROCESS NOSHOW/CANCEL
MD PROCESS RESULTS
```

### 3. Accessing modules.

- Assign the option [MD GUI USER] to the clinical staff, who need access to CP User.
- Assign the option [MD GUI MANAGER] to the Clinical Application Coordinator, CP package coordinator, and Information Resource Management Service (IRMS) staff for access to CP Manager.
- Assign the MD MANAGER key to the Clinical Application Coordinator or the CP Package Coordinator. This key controls access to the Update Study Status menu option that allows clinicians to fix study errors. This key also controls access to the Delete Study option.
- Assign the MAGCAP CP user security key to technicians, who will be using VistA Imaging to capture a consent form and link it to a CP study or TIU document.

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<sup>1</sup> Patch MD\*1.0\*6 May 2008 Files added.

<sup>2</sup> Patch MD\*1.0\*20 November 2010 Update queued tasks information.

4. <sup>1</sup>Assigning Options:

- Assign the option [MD AUTO CHECK-IN SETUP] to the Clinical Application Coordinator, CP package coordinator, and Information Resource Management Service (IRMS) staff for access to the setup option for the auto study check-in.
- Assign the option [MD HIGH VOLUME PROCEDURE SETUP] to the Clinical Application Coordinator, CP package coordinator, and Information Resource Management Service (IRMS) staff for access to the setup option for the high volume procedure.
- Assign the option [MD PROC W/INCOMPLETE WORKLOAD] to the Clinical Application Coordinator, CP package coordinator, and Information Resource Management Service (IRMS) staff to print a list of procedure with incomplete workload.
- Assign the option [MD STUDIES LIST] to the Clinical Application Coordinator, CP package coordinator, and Information Resource Management Service (IRMS) staff to print a list of studies list.

The screen captures below demonstrate how to assign an option to a user:

► Use the [XUSER] User Management menu option.

```
Select OPTION NAME: XUSER
 1  XUSER      User Management
 2  XUSER DIV CHG      Change my Division
 3  XUSER FILE MGR     Manage User File
 4  XUSER KEY RE-INDEX Reindex the users key's
 5  XUSER PC BUILD     User PC build Print
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1  XUSER      User Management
```

► Select [XUSEREDIT] Edit An Existing User option.

```
Select User Management Option: ?

Add a New User to the System
Grant Access by Profile
Edit an Existing User
Deactivate a User
Reactivate a User
List users
User Inquiry
Switch Identities
File Access Security ...
Clear Electronic signature code
Electronic Signature Block Edit
Manage User File ...
OAA Trainee Registration Menu ...
Person Class Edit
Reprint Access agreement letter
Select User Management Option: EDit an Existing User
```

---

<sup>1</sup> Patch MD\*1.0\*21 May 2010 – Updated General CP Package Information to add Assigning Options for options released with patch 21 and previous patches.

## Introduction

### ► Select the user.

```
Select User Management Option: EDit an Existing User
Select NEW PERSON NAME: TEST
  1  TEST,A          TA
  2  TEST,CARL      TC          PHYSICIAN
  3  TEST,CAROLE    CJT        ISC          COMPUTER SPECIALIST
  4  TEST,FRANCE    FT
  5  TEST,KEN              RADIOLOGIST
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1  TEST,A      TA
```

### ► Enter the option name, MD HIGH VOLUME PROCEDURE SETUP, to the Select SECONDARY MENU OPTIONS: field.

```
                                Edit an Existing User                                Page 1 of 5
NAME: TEST,A

-----
NAME... TEST,A                INITIAL: TA
TITLE:                        NICK NAME:
SSN: 666435465                DOB:
DEGREE:                        MAIL CODE:
DISUSER:                       TERMINATION DATE:
Termination Reason:

PRIMARY MENU OPTION:
Select SECONDARY MENU OPTIONS: MD HIGH VOLUME PROCEDURE SETUP
Want to edit ACCESS CODE (Y/N): FILE MANAGER ACCESS CODE:
Want to edit VERIFY CODE (Y/N):

Select DIVISION:
SERVICE/SECTION: IRM FIELD OFFICE

-----
High Volume Procedure Setup
Are you adding 'MD HIGH VOLUME PROCEDURE SETUP' as
a new SECONDARY MENU OPTIONS (the 1ST for this NEW PERSON)? No// Y
```

### ► Verify the SECONDARY MENU OPTIONS field has the option name MD HIGH VOLUME PROCEDURE SETUP and enter a four characters SYNONYM for the option name.

```
                                Edit an Existing User                                Page 1 of 5
NAME: TEST,A

-----
NAME... TEST,A                INITIAL: TA
TITLE:                        NICK NAME:
SSN: 666435465                DOB:
DEGREE:                        MAIL CODE:
DISUSER:                       TERMINATION DATE:
Termination Reason:

Select                          SECONDARY MENU OPTIONS
Want to                          SECONDARY MENU OPTIONS: MD HIGH VOLUME PROCEDURE SETUP
Want to                          SYNONYM: HIGH

-----
COMMAND:
```

► Enter additional SECONDARY MENU OPTIONS.

```

                                Edit an Existing User
NAME: TEST,A                               Page 1 of 5
-----
NAME... TEST,A                               INITIAL: TA
TITLE:                                       NICK NAME:
SSN: 666435465                               DOB:
DEGREE:                                       MAIL CODE:
DISUSER:                                       TERMINATION DATE:
Termination Reason:

PRIMARY MENU OPTION:
Select SECONDARY MENU OPTIONS:
Want to edit ACCESS CODE (Y/N):             FILE MANAGER ACCESS CODE:
Want to edit VERIFY CODE (Y/N):

Select DIVISION:
SERVICE/SECTION: IRM FIELD OFFICE

```

```

COMMAND:                                       Press <PF1>H for help   Insert

```

- When you are finished, enter “SAVE” at the COMMAND field to save the data and enter “EXIT” to exit the editor.

```

COMMAND: SAVE                               Press <PF1>H for help   Insert

```

```

COMMAND: EXIT                               Press <PF1>H for help   Insert

```

- Once the option(s) are added, the person can enter “??” at the primary menu option to get a listing of the secondary menu option and can see the new added option(s).

```
Select Core Applications Option: ??
```

```
You can also select a secondary option:
```

```

AUTO  Auto Study Check-In Setup [MD AUTO CHECK-IN SETUP]
GI     GI Menu ... [MCARGIUSER]
HEVD  CM Troubleshooter Clinician ... [ORRCMM TROUBLESHOOTER CLIN]
HVOL  High Volume Procedure Setup [MD HIGH VOLUME PROCEDURE SETUP]
LIST  Clinical Procedures Studies List [MD STUDIES LIST]
MAGS  Imaging System Manager Menu ... [MAG SYS MENU]
      **> Locked with MAG SYSTEM
PFT   Pulmonary Menu ... [MCARPULMUSER]
RA    Rad/Nuc Med Total System Menu ... [RA OVERALL]
TIU   TIU Maintenance Menu ... [TIU IRM MAINTENANCE MENU]
WKLD  Print list of Procedure with incomplete workload [MD PROC W/INCOMPLETE
WORKLOAD]

```

## 5. Printer issues.

All reports are printed to Client (Windows) printers.

6. Online Help.

Online help is available when questions arise. Click Help or choose Help from the menu bar. You can also press F1 for help on a specific window.

7. Automatic Version Updates.

CP applications (client and server) do not contain automatic update capabilities. You must remove the previous version before you can install the new version.

8. Command line switches.

For alternate methods of running Clinical Procedures, refer to [Appendix A - CP Application Startup Options and Command Line Switches](#), p. 10-6.

## Resource Requirements

- Clinical Procedures can only run at sites that are running VistA Imaging V. 3.0.
- Workstations must run Windows 2000 or later. 12 MB of available disc space is required.

VistA Server resources:

<u>Globals</u>	<u>Type of Data</u>	<u>Size</u>
^MDS	Static global	25 k
^MDD	Patient data for the Clinical Procedures	25-75 k/patient
^MDK	Hemodialysis Studies	25-75 k/patient

**NOTE: These globals must all be journalled.**



## **Hospital Location File Requirement (Implementing Workload Reporting)**

Be sure that the hospital location entry (Hospital Location #44 file) for each CP procedure contains the correct Institution field entry. The Hospital Location is used for workload reporting. (The Institution field tells VistA Imaging where to store the images on the server. If there is no Institution field, CP defaults to the institution of the user who logged on to CP Gateway.)

## **VistA Imaging**

Providers at a site must use the VistA Imaging Display client to view CP results and reports. Be sure that VistA Imaging V.3.0 or greater and Patch 7 of Imaging V.3.0 (MAG\*3.0\*7) are installed.



```

SPIROMETRY                               No Text      Auto
Answer with CP DEFINITION NAME, or ID
Do you want the entire CP DEFINITION List?

```

You can remove an existing procedure that was setup as a high volume procedure. When you select a procedure that was already entered, the option will prompt you with a question, “Delete current procedure setup? NO//” that has a default answer of “NO”. If “YES” is entered, the procedure will be deleted from the high volume procedure list.

```

Select OPTION NAME:      MD HIGH VOLUME PROCEDURE SETUP      High Volume Procedure Setup
High Volume Procedure Setup

Procedure: SPIROMETRY
Delete current procedure setup? NO// YES...Procedure deleted

Procedure:

```

## <sup>1</sup>Exported Kernel XPAR Parameters for Patch MD\*1.0\*20

There are two XPAR Parameters exported with patch MD\*1.0\*20. They are the following:

- MD DAYS TO RET COM MULT
- MD DEVICE SURVEY TRANSMISSION

MD DAYS TO RET COM MULT allows a user to define the numbers of days to display a study which has cumulative or multiple results after the study has been completed. This can be used to manage the display screen in CPUser executable.

### Example parameter edit:

```

Select OPTION NAME: XPAR EDIT PARAMETER      Edit Parameter Values
Edit Parameter Values
                --- Edit Parameter Values ---

Select PARAMETER DEFINITION NAME:      MD DAYS TO RET COM MULT      Days to Retain
Completed Multiple Study

-- Setting MD DAYS TO RET COM MULT for System: DEV.DEV.FO-HINES.MED.VA.GOV --
Days: ??

The number of days after check-in date/time to display the study
that has been completed in the CPUser application. This only
pertains to studies that have procedures with multiple studies.

Days:

```

<sup>1</sup> Patch MD\*1.0\*20 November 2010 Exported Kernel XPAR Parameter and screen sample added.

The MD DEVICE SURVEY TRANSMISSION parameter acts as a flag for the site to indicate whether or not to send information to the Hines Field Office.

Example parameter edit:

```
Select PARAMETER DEFINITION NAME: MD DEVICE SURVEY TRANSMISSION      Device
Survey Transmission

Setting MD DEVICE SURVEY TRANSMISSION for System: SUP.DEV.FO-
HINES.MED.VA.GOV
Yes/No: ??

Used to determine if the site wants to transmit the device survey to
Hines. Enter 'Y' for 'YES' to send the survey or 'N' for 'NO' to
suppress the transmission.

Yes/No: YES
```

Sample Medical Device Survey Collection:

During patch 20 installation, the IRM support will be asked, "Do you want to run the device survey transmission?" If "No" is entered, the MD DEVICE SURVEY TRANSMISSION" Parameter Definition will be set to "NO" and the survey transmission will be suppressed. If "YES" is entered, the MD DEVICE SURVEY TRANSMISSION" Parameter Definition will be set to "YES" and a snapshot of a list of device information will be collected in the post-installation run. This device list collection will be sent to Hines Mail Group MDDEVICE for processing. A sample screen capture of the device information is shown below:

```
Subj: Medical Device Name Report [#179939] 12 Dec 2008 11:49:50 -0500 (CDT)
23 lines
From: <POSTMASTER@SUP.DEV.FO-HINES.MED.VA.GOV> In 'IN' basket. Page 1
-----
499^OLYMPUS^C^0^ZZZNOTHING, NOTHING
499^SMC^C^0^ZZZNOTHING, NOTHING
499^BRAUN^C^0^ZZZNOTHING, NOTHING
499^Muse EKG^C^0^ZZZNOTHING, NOTHING
499^Muse Pacemaker EKG^C^0^ZZZNOTHING, NOTHING
499^Muse Exercise^C^0^ZZZNOTHING, NOTHING
499^Muse Holter^C^0^ZZZNOTHING, NOTHING
499^OLYMPUS EGD^C^0^ZZZNOTHING, NOTHING
499^OLYMPUS Colonoscopy^C^0^ZZZNOTHING, NOTHING
499^OLYMPUS Sigmoidoscopy^C^0^ZZZNOTHING, NOTHING
499^OLYMPUS ERCP^C^0^ZZZNOTHING, NOTHING
499^Muse^C^0^ZZZNOTHING, NOTHING
499^OLYMPUS Endo Ultrasound^C^0^ZZZNOTHING, NOTHING
499^OLYMPUS EGDPEG^C^0^ZZZNOTHING, NOTHING
499^OLYMPUS Liver Biopsy^C^0^ZZZNOTHING, NOTHING
499^OLYMPUS Paracentesis^C^0^ZZZNOTHING, NOTHING
499^OLYMPUS Enteroscopy^C^0^ZZZNOTHING, NOTHING
499^CLINIVISION^C^0^ZZZNOTHING, NOTHING
```

The device information collected is as follows:

- Station number
- Device name
- Process Code: Medicine, CP, or CLIO ( Clinical Observation)
- Active
- Name of Person who ran the survey collection

**Note:** Once the Parameter Definition indicator is set to "YES," the device survey is collected each time the instrument record is edited. The data is collected automatically in the background.



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