

## June 2009

This distribution contains change pages for patch MD\*1.0\*11 of the Clinical Procedures 1.0 Technical Manual and Package Security Guide.

The change pages for CP Patch 2, CP Patch 14, and CP Patch 6 should be inserted before the change pages for CP Patch 11:

<u>File Name:</u>	<u>Patch:</u>
MD_1_P2_TM.	PDF MD*1.0*2
MD_1_P14_	TM.PDF MD*1.0*14
MD_1_P6_TM.PDF	MD*1.0*6
MD_1_P11_TM.PDF	MD*1.0*11

Patch MD\*1.0\*11 pages:

<u>Replace Pages:</u>	<u>With Pages:</u>
Title page	Title page
Revision History	Revision History
Table of Contents	Table of Contents
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5-5 to 5-6	5-5 to 5-6
6-3 to 6-28	6-3 to 6-26





**CLINICAL PROCEDURES  
TECHNICAL MANUAL AND PACKAGE  
SECURITY GUIDE**

Version 1.0

April 2004

Revised June 2009

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



## Revision History

Description	Date	
Originally released.	April 2004	
<sup>1</sup> Patch MD*1.0*1 released.	July 2004	
Patch MD*1.0*2 released.	August 2006	
<sup>2</sup> Patch MD*1.0*5 released August 2006. Updated File List, Package Default Definition, Parameter Definitions, and menu options.	Documented February 2008	Shirley Ackerman, Alfred Bustamante
<sup>3</sup> Patch MD*1.0*14 released. Updated Routine Descriptions, File List, Parameter Definitions, Protocols, menu options, and Cross References. Deleted bad references to Sample Reports in Ch. 15.	March 2008	Shirley Ackerman, Alfred Bustamante
<sup>4</sup> Patch MD*1.0*6 released. Added description of Hemodialysis module and 508 Compliance to Introduction; updated Routine Descriptions, File List, Package Default Definition, Remote Procedure Calls, Parameter Definitions, menu options, Cross References, Callable Routines, External Relations, Internal Relations, and Glossary. Removed individual vendor contact information from Ch.15.	May 2008	Shirley Ackerman, Alfred Bustamante
<sup>5</sup> Patch MD*1.0*11 released. Updated product line on title page, Routine Description, File and Field Description, Parameter Definition, and Menu Options By Name.	June 2009	Shirley Ackerman, Alfred Bustamante

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<sup>1</sup> Patch MD\*1.0\*1 and MD\*1.0\*2 July 2004 Patch 2 release added.

<sup>2</sup> Patch MD\*1.0\*5 August 2006 Patch 5 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.



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## 4. Routine Descriptions

```

1MDAPI      ; HOIFO/DP/NCA - CP API Calls ; [05-05-2003 10:28]
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDAPI1     ; HOIFO/NCA - Electrocardiogram Data Extraction ;12/4/02 12:32
           ; ;1.0;CLINICAL PROCEDURES;**1**;Apr 01, 2004;Build 2
MDARP3     ; HOIFO/NCA - Get Procedures for Medicine ;1/13/04 14:35
           ; ;1.0;CLINICAL PROCEDURES;**10,13**;Apr 01, 2004;Build 20
MDCVT      ; HOIFO/DP/NCA - Medicine Package Conversion ;10/20/04 12:49
           ; ;1.0;CLINICAL PROCEDURES;**5**;Apr 01, 2004;Build 2
MDCVT1     ; HOIFO/NCA - Medicine Package Conversion (Cont.) ;1/6/05 15:12
           ; ;1.0;CLINICAL PROCEDURES;**5**;Apr 01, 2004;Build 2
MDCVTU     ; HOIFO/NCA - Medicine Conversion Verification Utility ; [08-28-2003
           11:34]
           ; ;1.0;CLINICAL PROCEDURES;**5**;Apr 01, 2004;Build 2
MDESPRT    ; HOIFO/NCA - ELECTRONIC SIGNATURE PRINT ;12/21/04 09:24
           ; ;1.0;CLINICAL PROCEDURES;**5**;Apr 01, 2004;Build 2
MDHL7A     ; HOIFO/WAA - Routine to Decode HL7 for CP ;9/17/07 08:17
           ; ;1.0;CLINICAL PROCEDURES;**6,11**;Apr 01, 2004;Build 67
MDHL7B     ; HOIFO/WAA -Bi-directional interface routine ;7/23/01 11:41
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDHL7BH    ; HOIFO/WAA -Bi-directional interface (HL7) routine ;7/23/01 11:41
           ; ;1.0;CLINICAL PROCEDURES;**11**;Apr 01, 2004;Build 67
MDHL7D     ; HOIFO/WAA -B-Braun, Fresenius Dialysis ; 06/08/00
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDHL7E     ; HOIFO/WAA -Olympus/CMore/Pentax Endoscopy ; 06/08/00
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDHL7K2    ; HOIFO/WAA -HP EnConcert Echo ; 06/08/00
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDHL7M1    ; HOIFO/WAA - Muse EKG ; [02-06-2002 16:13]
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDHL7MCA   ; HOIFO/REL-Routine to Decode HL7 for MEDICINE ; [05-07-2001 10:38]
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDHL7MCX   ; HIRMF0/WAA - Generate HL7 Error Message for MEDICINE ; [05-07-2001
           10:38]
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDHL7P1    ; HOIFO/WAA-Sensormedics,Jaeger Pulmonary ; 06/08/00
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDHL7R1    ; HOIFO/WAA -Clinivision Resporatory ; 06/13/02
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDHL7U     ; HOIFO/WAA -Routine utilities for CP ;7/23/01 11:41
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDHL7U1    ; HOIFO/WAA -Routine utilities for CP PROCESSING OBX ; 7/26/00
           ; ;1.0;CLINICAL PROCEDURES;**11**;Apr 01, 2004;Build 67
MDHL7U2    ; HOIFO/WAA -Utilities for CP PROCESSING OBX text ; 7/26/00
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDHL7U3    ; HOIFO/WAA -Utilities for CP to process HL7 messages ; 7/26/00
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDHL7X     ; HOIFO/WAA -Generate HL7 Error Message ; 06/08/00
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDHL7XXX   ; HOIFO/DP - Loopback device for CP ; 22-MAY-2003 13:37:41
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDKRPC1    ; HIOFO/FT-RPC to return patient data ;2/19/08 13:13
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDKRPC2    ; HOIFO/DP - RPC Calls (Cont.) ;11/27/07 09:42
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDKUTL     ; HOIFO/DP - Renal Utilities ;11/29/07 14:45
           ; ;1.0;CLINICAL PROCEDURES;**14**;Apr 01, 2004;Build 19
MDKUTLR    ; HOIFO/DP - Renal Utilities RPC;11/29/07 14:45
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDNCHK     ; HOIFO/NCA - CP Multiple Result Check ;4/26/05 15:17
           ; ;1.0;CLINICAL PROCEDURES;**11**;Apr 01, 2004;Build 67
MDOUTOR    ; HOIFO/NCA - Post Conversion Routine ; [04-14-2003 10:51]

```

<sup>1</sup> Patch MD\*1.0\*11 June 2009 New routine listing, several routines added or deleted

## Routine Descriptions

```

MDPCE      ; ;1.0;CLINICAL PROCEDURES;**5**;Apr 01, 2004;Build 2
           ; HIRMF0/NCA - Routine For Data Extract ; [05-28-2002 12:55]
MDPCE1     ; ;1.0;CLINICAL PROCEDURES;**5**;Apr 01, 2004;Build 2
           ; HOIFO/NCA - Updated Routine For Data Extract ; [05-28-2002 12:55]
MDPCE2     ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
           ; HOIFO/NCA - Routine For Data Extract For Hemo Dialysis;9/10/04 11
           ;23
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDPFTP1    ; ;HOIFO/NCA - PFT REPORT-DEMO INFO ;3/15/04 11:55
           ; ;1.0;CLINICAL PROCEDURES;**2**;Apr 01, 2004;Build 2
MDPFTP2    ; ;HOIFO/NCA - PFT REPORT-VOLUMES ;3/15/04 10:00
           ; ;1.0;CLINICAL PROCEDURES;**2**;Apr 01, 2004;Build 2
MDPFTP2A   ; ;HOIFO/NCA - PFT REPORT-FLOWS ;3/17/04 08:22
           ; ;1.0;CLINICAL PROCEDURES;**2**;Apr 01, 2004;Build 2
MDPFTP3    ; ;HOIFO/NCA - PFT REPORT-SPECIAL STUDIES (PT 2) ;3/17/04 12:48
           ; ;1.0;CLINICAL PROCEDURES;**2**;Apr 01, 2004;Build 2
MDPOST     ; ;HOIFO/DP - Post Init ;2/18/04 11:39
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDPOST04   ; ;HOIFO/DP - Post Init ; 2/18/04 11:39
           ; ;1.0;CLINICAL PROCEDURES;**4**;Apr 01, 2004;Build 4
MDPOST06   ; ;HOIFO/DP - Post Init ;2/7/07 16:15
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDPOST1    ; ;HOIFO/NCA/DP - Build CP DEFINITION file (#702.01) - Optional Post
           ; Init ; [12-04-2002 13:06]
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDPOST6A   ; ;HOIFO/NCA-Convert Existing Notes to New File ;11/28/07 14:31
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDPS1     ; ;HOIFO/NCA - CP/Medicine Report Generator ;5/18/04 09:48
           ; ;1.0;CLINICAL PROCEDURES;**2,10,13**;Apr 01, 2004;Build 20
MDPS2     ; ;HOIFO/NCA - CP/Medicine Report Generator (Cont.) ;5/18/04 09:41
           ; ;1.0;CLINICAL PROCEDURES;**2**;Apr 01, 2004;Build 2
MDPS3     ; ;HOIFO/NCA - Remote Data View Data Retriever for CP ;8/26/05 14:37
           ; ;1.0;CLINICAL PROCEDURES;**2,5,13**;Apr 01, 2004;Build 20
MDPS4     ; ;HOIFO/NCA - Retrieve List of Consult Procedures ;1/26/06 12:45
           ; ;1.0;CLINICAL PROCEDURES;**13**;Apr 01, 2004;Build 20
MDPS5     ; ;HOIFO/NCA - Retrieve List of Consult Procedures for RDV ;3/4/05 1
           ;3:29
           ; ;1.0;CLINICAL PROCEDURES;**13**;Apr 01, 2004;Build 20
MDPURGE    ; ;HOIFO/NCA - Study Clean-Up process ;6/18/08 10:15
           ; ;1.0;CLINICAL PROCEDURES;**11**;Apr 01, 2004;Build 67
MDRPCNT    ; ;HOIFO/NCA - Document Handler Object (TMDNOTE) ;5/23/05 15:50
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDRPCNT1   ; ;HOIFO/NCA - Object RPCs (TMDNOTE) Continued 2;10/29/04 12:20 ;6/7
           ;/05 15:52
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDRPCOD    ; ;HOIFO/DP - Object RPCs (TMDProcedureDef) ; [01-09-2003 15:20]
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDRPCOG    ; ;HOIFO/DP - CP Gateway ; [01-09-2003 15:20]
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDRPCOL    ; ;HOIFO/DP - Object RPCs (Logfile) ; [02-11-2002 13:41]
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDRPCOO    ; ;HOIFO/DP - Object RPCs (TMDOutput) ; [03-24-2003 15:44]
           ; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDRPCOP    ; ;HOIFO/DP - Object RPCs (TMDPatient) ; [01-09-2003 15:21]
           ; ;1.0;CLINICAL PROCEDURES;**4,6,11**;Apr 01, 2004;Build 67
MDRPCOP1   ; ;HOIFO/DP - Object RPCs (TMDPatient) - Cont. ; 01-09-2003 15:21
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDRPCOR    ; ;HOIFO/DP - Object RPCs (TMDRecordId) ; [01-10-2003 09:14]
           ; ;1.0;CLINICAL PROCEDURES;**17**;Apr 01, 2004;Build 3
MDRPCOT    ; ;HOIFO/DP/NCA - Object RPCs (TMDTransaction) ;10/27/05 09:15
           ; ;1.0;CLINICAL PROCEDURES;**5,6,11**;Apr 01, 2004;Build 67
MDRPCOT1   ; ;HOIFO/NCA/DP - Object RPCs (TMDTransaction) - Continued ; [08-02-2
           ;002 12:55]
           ; ;1.0;CLINICAL PROCEDURES;**5,11**;Apr 01, 2004;Build 67
MDRPCOT2   ; ;HOIFO/NCA - Object RPCs (TMDTransaction) Continued 2;10/29/04 12:
           ;20 ;12/20/04 14:26
           ; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102

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MDRPCOU ; HOIFO/DP - Object RPCs (TMDUser) ; [01-09-2003 15:21]
; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDRPCOV ; HOIFO/DP - Object RPCs (TMDParameter) ; [04-15-2003 12:42]
; ;1.0;CLINICAL PROCEDURES;;Apr 01, 2004;Build 2
MDRPCOW ; HOIFO/DP/NCA - Billing Widget ;10/3/05 12:17
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDRPCU ; HOIFO/DP - Object RPC Utilities ; [05-23-2003 10:16]
; ;1.0;CLINICAL PROCEDURES;**4**;Apr 01, 2004;Build 4
MDRPCW ; HOIFO/NCA - Calls to AICS;04/01/2003 ;11/22/06 08:30
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDRPCW1 ; HOIFO/NCA - MD TMDENCOUNTER Object; [05-28-2002 12:55] ;4/4/06 08
:45
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDSTATU ; HOIFO/NCA - Print List of Document Titles Needed ;10/21/04 13:44
; ;1.0;CLINICAL PROCEDURES;**5**;Apr 01, 2004;Build 2
MDSTUDL ; HOIFO/NCA - Clinical Procedures Studies List ;10/26/05 11:46
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDUXML ; HOIFO/WAA -Utilities for XML text ; 7/26/00
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDUXMLM ; HOIFO/WAA -Utilities for XML text ; 7/26/00
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDUXMLOX ; HOIFO/WAA -OBX converter XML text ; 7/26/00
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDUXMLU1 ; HOIFO/WAA -Utilities for XML text ; 7/26/00
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDWCAN ;HOIFO/NCA - Process No-Shows and Cancels ;6/19/08 13:42
; ;1.0;CLINICAL PROCEDURES;**11**;Apr 01, 2004;Build 67
MDWCHK ; HOIFO/NCA - Create CP Studies for Existing Procedures ;12/13/07 1
5:52
; ;1.0;CLINICAL PROCEDURES;**14**;Apr 01,2004;Build 19
MDWOR ; HOIFO/NCA - Main Routine to Decode HL7 ;5/23/07 10:49
; ;1.0;CLINICAL PROCEDURES;**14,11**;Apr 01,2004;Build 67
MDWORC ; HOIFO/NCA - Main Routine to Decode HL7 from Consult ;1/8/08 15:00
; ;1.0;CLINICAL PROCEDURES;**14**;Apr 01,2004;Build 19
MDWORSR ; HOIFO/NCA - Daily Schedule Studies;7/2/04 12:39 ;5/17/07 16:09
; ;1.0;CLINICAL PROCEDURES;**14,11**;Apr 01,2004;Build 67
MDWSETUP ; HOIFO/NCA - Auto Study Check-In Setup ;12/13/07 22:39
; ;1.0;CLINICAL PROCEDURES;**14,11**;Apr 01, 2004;Build 67
MDXMLFM ; HOIFO/DP - Fileman -> XML Utilities ; [01-10-2003 09:14]
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102
MDXMLFM1 ; HOIFO/DP/NCA - Data -> XML Utilities ; [01-10-2003 09:14]
; ;1.0;CLINICAL PROCEDURES;**6**;Apr 01, 2004;Build 102

```



**CP Definition File - #702.01**

This file defines all the procedures used by the Clinical Procedures package. All elements that define a procedure are in this file. This file is exported with data, but entries may be added by the site.

<b>Field Name</b>	<b>Field Number</b>	<b>Format</b>	<b>Description</b>
Name	702.01,.01	Free Text 3-30 characters in length	This field contains the name of the procedure. It should be descriptive of the procedure and contain 3-30 alphanumeric characters. The first character <b>MUST</b> be a letter. To maintain consistency it is recommended that all procedures be entered in <b>UPPERCASE</b> letters as well.
Treating Specialty	702.01,.02	Pointer to Facility Treating Specialty (#45.7) file	This field defines the specialty that this procedure falls under.
Require External Data	702.01,.03	Set: 0 - No 1 - Yes	Setting this field to Yes will force a consult for this procedure to be processed via the CP User executable for matching whether or not there are instruments associated with it.
Default TIU Note	702.01,.04	Pointer to TIU Document Definition (#8925.1) file	This field contains a TIU Note Title to use as the default when CP creates a note for interpretation for this procedure.
Hospital Location	702.01,.05	Pointer to Hospital Location (#44) file	This is the location that will be used when creating the TIU Note for interpretation.
<sup>1</sup> Processing Application	702.01,.06	Set: 1 - Default 2 - Hemodialysis	This field is used to indicate if this is a Hemodialysis procedure or not. The field is a set of codes, 1=DEFAULT so it will be processed by Clinical Procedures or 2=HEMODIALYSIS and the procedure will be processed by the Hemodialysis application.
Auto Submit	702.01,.07	Set:	This field only applies to bi-

<sup>1</sup> Patch MD\*1.0\*6 May 2008 Field added to the CP Definition file.

File List and Related Information

		0 - No 1 - Yes	directional instruments. It is used to indicate whether or not the image attachment should be automatically submitted to VistA Imaging once the procedure is performed and the result is passed to CP.
External Data Directory	702.01,.08	Free Text 3-150 characters in length	This field contains a reference to a network share where user supplied attachments are located for this procedure.
Active	702.01,.09	Set: 0 - No 1 - Yes	Yes/No to indicate active procedures that can be linked to Consults.
Instrument (multiple)	702.011,.01	Pointer to CP Instrument (#702.09) file	Contains a pointer to an instrument that generates results for this procedure.
<sup>1</sup> Processed Result	702.01,.12	Set: 0 - Final Result 1 - Multiple Results 2 - Cumulative Result	This field is a flag which indicates whether a final result, multiple results, or cumulative result is associated with this procedure.

<sup>1</sup> Patch MD\*1.0\*11 June 2009 New field added.

## Remote Procedure Calls (RPC)

**NAME: MD GATEWAY** TAG: RPC  
 ROUTINE: MDRPCOG RETURN VALUE TYPE: GLOBAL ARRAY  
 AVAILABILITY: RESTRICTED WORD WRAP ON: TRUE  
 VERSION: 1

**NAME: MD TMDOUTPUT** TAG: RPC  
 ROUTINE: MDRPCOG RETURN VALUE TYPE: GLOBAL ARRAY  
 AVAILABILITY: RESTRICTED WORD WRAP ON: TRUE  
 DESCRIPTION:  
 Manages the output of VistA data to the client via the default HFS device.  
 INPUT PARAMETER: OPTION PARAMETER TYPE: LITERAL  
 MAXIMUM DATA LENGTH: 30 REQUIRED: YES  
 SEQUENCE NUMBER: 1  
 DESCRIPTION:  
 Currently set to EXECUTE as the only option.  
 INPUT PARAMETER: RTN PARAMETER TYPE: LITERAL  
 MAXIMUM DATA LENGTH: 30 REQUIRED: YES  
 SEQUENCE NUMBER: 2  
 DESCRIPTION:  
 Contains the routine to produce the output. Currently to client produces  
 this parameter in the form of TAG^ROUTINE(needed parameters) to simplify  
 the calling process.  
 RETURN PARAMETER DESCRIPTION:  
 Text of the requested report.

**NAME: MD TMDPARAMETER** TAG: RPC  
 ROUTINE: MDRPCOV RETURN VALUE TYPE: GLOBAL ARRAY  
 AVAILABILITY: RESTRICTED WORD WRAP ON: TRUE  
 DESCRIPTION:  
 Used to set/retrieve/modify parameters in the Kernel ToolKit PARAMETERS  
 (XPAR) files.

RPC is called as follows:

Param[0] := OPTION  
 Param[1] := Entity  
 Param[2] := Parameter name  
 Param[3] := Instance  
 Param[4] := Value

INPUT PARAMETER: OPTION PARAMETER TYPE: LITERAL  
 MAXIMUM DATA LENGTH: 10 REQUIRED: YES  
 SEQUENCE NUMBER: 1  
 DESCRIPTION:  
 Contains the option for the RPC. RPC is called as shown:

Options and other required parameters include:

ENTVAL ENT  
 GETPAR ENT, PAR, INST  
 GETLST ENT, PAR  
 GETWP ENT, PAR, INST  
 SETPAR ENT, PAR, INST, VAL  
 SETLST ENT, PAR, , .VAL (Uses instance 0-n)  
 SETWP ENT, PAR, INST, .VAL

## Exported Options

```
DELPAR      ENT, PAR, INST
DELLST      ENT, PAR
INPUT PARAMETER: ENTITY          PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 20      REQUIRED: NO
  SEQUENCE NUMBER: 2
```

### DESCRIPTION:

An entity is a level at which you can define a parameter. The entities allowed are stored in the Parameter Entity file (#8989.518). The list of allowable entities at the time this utility was released were:

Prefix	Message	Points to File
PKG	Package	Package (9.4)
SYS	System	Domain (4.2)
DIV	Division	Institution (4)
SRV	Service	Service/Section (49)
LOC	Location	Hospital Location (44)
TEA	Team	Team (404.51)
CLS	Class	Usr Class (8930)
USR	User	New Person (200)
BED	Room-Bed	Room-Bed (405.4)
OTL	Team (OE/RR)	OE/RR List (101.21)

The entity may be referenced as follows:

- 1) The internal variable pointer (nnn;GLO(123,))
- 2) The external format of the variable pointer using the 3 character prefix (prefix.entryname)
- 3) The prefix alone to set the parameter based on current entity selected. (prefix)

Method 3 uses the following values for the following entities:

```
USR      Current value of DUZ
DIV      Current value of DUZ(2)
SYS      System (domain)
PKG      Package to which the parameter belongs
INPUT PARAMETER: PAR          PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 30    REQUIRED: NO
  SEQUENCE NUMBER: 3
```

### DESCRIPTION:

A parameter is the actual name which values are stored under. The name of the parameter must be namespaced and it must be unique. Parameters can be defined to store the typical package parameter data (e.g. the default add order screen), but they can also be used to store GUI application screen settings a user has selected (e.g. font or window width). When a parameter is defined, the entities, which may set that parameter, are also defined. The definition of parameters is stored in the PARAMETER DEFINITION file (#8989.51).

NOTE: This utility restricts the parameter name to those in the Clinical Procedures namespace (MD\*).

```
INPUT PARAMETER: INST          PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 30    REQUIRED: NO
  SEQUENCE NUMBER: 4
```

### DESCRIPTION:

Most parameters will set instance to 1. Instances are used when more than one value may be assigned to a given entity/parameter combination. An example of this would be lab collection times at a division. A single division may have multiple collection times. Each collection time would be assigned a unique instance.

```
INPUT PARAMETER: VAL          PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 80    REQUIRED: NO
```



SEQUENCE NUMBER: 5  
 DESCRIPTION:  
 A value may be assigned to every parameter for the entities allowed in the parameter definition. Values are stored in the PARAMETERS file (#8989.5). VAL may be passed in external or internal format. If using internal format for a pointer type parameter, VAL must be preceded with the grave (`) character. If VAL is being assigned to a word processing parameter, the text is passed in the subordinate nodes of VAL (e.g. VAL(0-n)=Text).  
 RETURN PARAMETER DESCRIPTION:  
 Returns requested data from the specified option.

NAME: **MD TMDPATIENT** TAG: RPC  
 ROUTINE: MDRPCOP RETURN VALUE TYPE: GLOBAL ARRAY  
 AVAILABILITY: RESTRICTED WORD WRAP ON: TRUE

NAME: **MD TMDPROCEDURE** TAG: RPC  
 ROUTINE: MDRPCOD RETURN VALUE TYPE: GLOBAL ARRAY  
 AVAILABILITY: RESTRICTED WORD WRAP ON: TRUE

NAME: **MD TMDRECORDID** TAG: RPC  
 ROUTINE: MDRPCOR RETURN VALUE TYPE: GLOBAL ARRAY  
 AVAILABILITY: RESTRICTED WORD WRAP ON: TRUE  
 DESCRIPTION:  
 General RPC for VA Fileman functions.

Param 1 is passed in as the function to perform and includes the following:

LOOKUP: Performs very generic file lookup functionality  
 VALIDATE: Validates input to a fileman field and saves to FDA  
 DELREC: Validates ability to delete and if able deletes a record  
 SETFDA: Validates input and stores in FDA  
 SAVEFDA: Saves any data stored in FDA  
 CLEARFDA: Clears any data in the FDA without saving  
 GETDATA: Retrieves a single field value  
 GETCODES: Retrieves the set of codes for a field  
 GETLABEL: Retrieves a fields TITLE or LABEL if no Title  
 GETIDS: Returns required identifiers for a DD Number  
 GETHELP: Returns Fileman help for a field  
 RENAME: Validates and renames .01 field if valid  
 NEWREC: Creates a new record  
 CHANGES: Returns 0/1 if changes exist in FDA  
 CHKVER: Version check Client <-> Server  
 LOCK: Locks a record by DD and IENS  
 UNLOCK: Unlocks record locked by LOCK option

INPUT PARAMETER: OPTION PARAMETER TYPE: LITERAL  
 MAXIMUM DATA LENGTH: 30 REQUIRED: YES  
 SEQUENCE NUMBER: 1  
 DESCRIPTION:  
 See description of RPC.

INPUT PARAMETER: DDNUM PARAMETER TYPE: LITERAL  
 MAXIMUM DATA LENGTH: 10 REQUIRED: NO  
 SEQUENCE NUMBER: 2  
 DESCRIPTION:  
 Contains the Data Dictionary number of the item being manipulated.

INPUT PARAMETER: IENS PARAMETER TYPE: LITERAL  
 MAXIMUM DATA LENGTH: 20 REQUIRED: NO



```

Input Parameter: RESULTS - (Both Input/Output) Passed in as the array to
                        return the results.
OPTION - (Input) PROC - obtain a list of Procedures
                        defined for a clinic.
                        DIAG - obtain a list of diagnosis
                        defined for a clinic.
                        SCDISP - Obtain the patient's service
                        connection and rated
disability.
                        DFN - (Input) Patient internal entry number
                        MDSTUD - (Input) CP Study internal entry number
RETURN PARAMETER DESCRIPTION:
> D RPC^MDRPCW(.RESULTS,"PROC",162,212)

> ZW RESULTS
RESULTS=^TMP("MDRPCW",539023945)

@RESULTS@(0)=count of array element (0 if nothing found)
@RESULTS@(1)=^group header
@RESULTS@(2) = P1 := cpt or icd code / ien of other items
                P2 := user defined text
                P6 := user defined expanded text to send to PCE
                P7 := second code or item defined for line item
                P8 := third code or item defined for line item
                P9 := associated clinical lexicon term

> D ^%G

Global ^TMP("MDRPCW",$J
        TMP("MDRPCW",$J

^TMP("MDRPCW",539023945,0) = 7
^TMP("MDRPCW",539023945,1) = ^PFT PROCEDURES
^TMP("MDRPCW",539023945,2) = G0125^Lung image (PET) ^^^^^^^
^TMP("MDRPCW",539023945,3) = S9473^Pulmonary rehabilitation pro^^^^^^^^
^TMP("MDRPCW",539023945,4) = S2060^Lobar lung transplantation ^^^^^^^
^TMP("MDRPCW",539023945,5) = S2060^Lobar lung transplantation ^^^^^^^
^TMP("MDRPCW",539023945,6) = A4480^Vabra aspirator ^^^^^^^
^TMP("MDRPCW",539023945,7) = 43450^DILAT ESOPH-SOUND/BOUGIE-1/M^^^^^^^^
Global ^

> D RPC^MDRPCW(.RESULTS,"DIAG",162,212)

> D ^%G

Global ^TMP("MDRPCW",$J
        TMP("MDRPCW",$J

^TMP("MDRPCW",539023945,0) = 31
^TMP("MDRPCW",539023945,1) = ^PFT
^TMP("MDRPCW",539023945,2) = 397.1^RHEUM PULMON VALVE DIS^^^^^^^^269587
^TMP("MDRPCW",539023945,3) = 417.1^PULMON ARTERY ANEURYSM^^^^^^^^269688
^TMP("MDRPCW",539023945,4) = 417.8^PULMON CIRCULAT DIS NEC^^^^^^^^269690
^TMP("MDRPCW",539023945,5) = 417.9^PULMON CIRCULAT DIS NOS^^^^^^^^269691
^TMP("MDRPCW",539023945,6) = 424.3^PULMONARY VALVE DISORDER^^^^^^^^101164
^TMP("MDRPCW",539023945,7) = 516.1^IDIO PULM HEMOSIDEROSIS^^^^^^^^61083
^TMP("MDRPCW",539023945,8) = 746.01^CONG PULMON VALV ATRESIA^^^^^^^^265805
^TMP("MDRPCW",539023945,9) = 673.82^PULM EMBOL NEC-DEL W P/P^^^^^^^^271756
^TMP("MDRPCW",539023945,10) = 747.3^PULMONARY ARTERY ANOM^^^^^^^^27406
^TMP("MDRPCW",539023945,11) = 770.3^NB PULMONARY HEMORRHAGE^^^^^^^^273240
^TMP("MDRPCW",539023945,12) = 794.2^ABN PULMONARY FUNC STUDY^^^^^^^^273442

```

Exported Options

```

^TMP ("MDRPCW",539023945,13) = 901.41^INJURY PULMONARY
ARTERY^^^^^901.42^^275136
^TMP ("MDRPCW",539023945,14) = 162.3^MAL NEO UPPER LOBE
LUNG^^^^^162.4^162.5^73534
^TMP ("MDRPCW",539023945,15) = 235.7^UNC BEHAV NEO LUNG^^^^^^267754
^TMP ("MDRPCW",539023945,16) = 875.0^OPEN WOUND OF CHEST^^^^^^274991
^TMP ("MDRPCW",539023945,17) = 162.9^MAL NEO BRONCH/LUNG NOS^^^^^^73521
^TMP ("MDRPCW",539023945,18) = 786.6^CHEST SWELLING/MASS/LUMP^^^^^^273380
^TMP ("MDRPCW",539023945,19) = 518.89^OTHER DISEASE OF LUNG, NEC^^^^^^87486
^TMP ("MDRPCW",539023945,20) = ^BRONCHOSCOPY
^TMP ("MDRPCW",539023945,21) = 012.20^ISOL TRACHEAL TB-
UNSPEC^^^^^012.21^^266107
^TMP ("MDRPCW",539023945,22) = 012.22^ISOL TRACH TB-EXAM UNKN^^^^^^266109
^TMP ("MDRPCW",539023945,23) = 012.23^ISOLAT TRACH TB-MICRO DX^^^^^^266110
^TMP ("MDRPCW",539023945,24) = 012.24^ISOL TRACHEAL TB-CULT DX^^^^^^266111
^TMP ("MDRPCW",539023945,25) = 748.61^CONGEN BRONCHIECTASIS^^^^^^265478
^TMP ("MDRPCW",539023945,26) = 011.50^TB BRONCHIECTASIS-
UNSPEC^^^^^011.51^^266056
^TMP ("MDRPCW",539023945,27) = 784.1^THROAT PAIN^^^^^^276881
^TMP ("MDRPCW",539023945,28) = 784.8^HEMORRHAGE FROM THROAT^^^^^^273371
^TMP ("MDRPCW",539023945,29) = 034.0^STREP SORE THROAT^^^^^^114610
^TMP ("MDRPCW",539023945,30) = 466.11^AC. BRONCH/RESP SYNCYT V
(RSV)^^^^^466.19^
^304309
^TMP ("MDRPCW",539023945,31) = 530.10^ESOPHAGITIS, UNSP.^^^^^^295809
Global ^

```

```
> D RPC^MDRPCW(.RESULTS,"SCDISP",17,212)
```

```
@RESULTS@(n)="Lines of text"
```

```
> D ^%G
```

```

Global ^TMP ("MDRPCW", $J
      TMP ("MDRPCW", $J
^TMP ("MDRPCW",539023945,1) = Service Connected: 50%
^TMP ("MDRPCW",539023945,2) = Rated Disabilities: NONE STATED
Global ^

```

```

NAME: MD TMDENCOUNTER TAG: GETENC
ROUTINE: MDRPCW1 RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: RESTRICTED WORD WRAP ON: TRUE
VERSION: 1

```

```

DESCRIPTION:
This remote procedure will return the existing data in an encounter.

```

```

INPUT PARAMETER: STUDY PARAMETER TYPE: REFERENCE
REQUIRED: YES SEQUENCE NUMBER: 1

```

```

DESCRIPTION:
This is the CP Study internal entry number.
RETURN PARAMETER DESCRIPTION:
The result is returned in ^TMP("MDENC",$J) global.

```

```

^TMP ("MDENC", $J,1)="SC";0/1^0/1;"AO";0/1^0/1;"IR";0/1^0/1;"EC";0/1^0/
1;"MST";0/1^0/1;"HNC";0/1^0/1;"CV";0/1^0/1
P1 = "SC" - Service Connected
P2 = first "^" piece 1 if the condition can be answered
      0 if the condition should be null not asked
      second "" piece - If Scheduling has the answer, 1 = yes 0 = no
P3 = "AO" - Agent Orange Exposure

```

P4 = first "^" piece 1 if the condition can be answered  
           0 if the condition should be null not asked  
       second "^" piece - If Scheduling has the answer, 1 = yes 0 = no  
 P5 = "IR" - Ionizing Radiation Exposure  
 P6 = first "^" piece 1 if the condition can be answered  
           0 if the condition should be null not asked  
       second "^" piece - If Scheduling has the answer, 1 = yes 0 = no  
 P7 = "EC" - Environmental Contaminants  
 P8 = first "^" piece 1 if the condition can be answered  
           0 if the condition should be null not asked  
       second "^" piece - If Scheduling has the answer, 1 = yes 0 = no  
 P9 = "HNC" - Head and/or Neck Cancer  
 P10 = first "^" piece 1 if the condition can be answered  
           0 if the condition should be null not asked  
       second "^" piece - If Scheduling has the answer, 1 = yes 0 = no  
 P11 = "MST" - Military Sexual Trauma  
 P12 = first "^" piece 1 if the condition can be answered  
           0 if the condition should be null not asked  
       second "^" piece - If Scheduling has the answer, 1 = yes 0 = no  
 P13 = "CV" - Combat Veteran  
 P14 = first "^" piece 1 if the condition can be answered  
           0 if the condition should be null not asked  
       second "^" piece - If Scheduling has the answer, 1 = yes 0 = no

^TMP("MDENC", \$J, n) = "PRV"^CODE^^NARR^^Primary (1=Yes, 0=No)

P1 = "PRV"- Provider segment  
 P2 = CODE - New Person internal Entry Number  
 P3 = Null  
 P4 = NARR - Provider name  
 P5 = Null  
 P6 = Primary - 1/0/null (1=Yes, 0/Null=No)

          ="POV"^ICD9 IEN^ICD9 CODE^provider narrative category^  
 provider narrative (Short Description)^Primary (1=Yes, 0/Null=No)

P1 = "POV" - ICD segment  
 P2 = ICD internal entry number  
 P3 = ICD9 Code  
 P4 = Provider Narrative Category  
 P5 = Short Description  
 P6 = Primary - 1/0/null (1=Yes, 0/Null=No)

          ="CPT"^CPT IEN^CPT CODE^provider narrative category^  
 provider narrative (Short Description)^^Quantity

P1 = "CPT" - CPT segment  
 P2 = CPT internal entry number  
 P3 = CPT Code  
 P4 = Provider Narrative Category (CPT Category Grouping)  
 P5 = Short Description  
 P6 = null  
 P7 = Quantity

NAME: **MD TMDLEX**

TAG: LEX

ROUTINE: MDRPCW1

RETURN VALUE TYPE: GLOBAL ARRAY

AVAILABILITY: RESTRICTED

WORD WRAP ON: TRUE

VERSION: 1

DESCRIPTION:

This RPC will return a list of CPT or ICD for a search typed in.

INPUT PARAMETER: MDSRCH

PARAMETER TYPE: REFERENCE

## Exported Options

```
REQUIRED: YES                               SEQUENCE NUMBER: 1
DESCRIPTION:
This is the text typed in for the look-up.
INPUT PARAMETER: MDAPP                       PARAMETER TYPE: REFERENCE
REQUIRED: YES                               SEQUENCE NUMBER: 2
DESCRIPTION:
This is the application indicator. It is either "CPT" or "ICD".
RETURN PARAMETER DESCRIPTION:

^TMP("MDLEX", $J, #)=P1 - CPT/ICD Code
                    P2 - Internal Entry Number
                    P3 - Lexicon text

>D LEX^MDRPCW1(.RESULTS, "BORE", "CPT")

>ZW RESULTS
RESULTS="^TMP("MDLEX", 539152953) "

>D ^%G

Global ^TMP("MDLEX", $J -- NOTE: translation in effect
^TMP("MDLEX", 539152953, 1)=86618^302213^Borella Burgdorferi (Lyme Disease)
Antibody (CP T-4 86618)

NAME: MD TMDNOTE                            TAG: RPC
ROUTINE: MDRPCNT                            RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: RESTRICTED                   INACTIVE: ACTIVE
WORD WRAP ON: TRUE                          VERSION: 1
DESCRIPTION:
This remote procedure call does the following:
Accepts the following Inputs:
    RESULTS - Both (Input and Output) - Passed in as the array to return
              results in.

    OPTION - NEWDOC = Add additional new document to the Hemodialysis
              study.

    NOTELIST = Returns a list of documents associated with the
              study. The pieces returned are: Note IEN, Note
              title, Date/Time Creation, Author, and Hospital
              Location.

    VIEWTIU = Return the text lines of a document from NOTELST.

MDSID - Study internal Entry Number.
MDTIU - TIU Document Internal Entry Number.
MDDTE - Date/Time of Document Creation.
MDAUTH - Author of document.
MDESIG - Encrypted Electronic Signature.
MDTXT - Text of the new document in an array.

Return Results are the following:
```

```

OPTION = NEWDOC

> D RPC^MDRPCNT(.RESULTS,"NEWDOC",904,"",3050524.0915,679,74RHLld;flk,MDTXT)

> D ^%G

Global ^TMP("MDKUTL",$J
      TMP("MDKUTL",$J
^TMP("MDKUTL",538992716,0) = Note internal entry number   or -1^Error Message

OPTION = NOTELIST

> D RPC^MDRPCNT(.RESULTS,"NOTELST",476)

> D ^%G

Global ^TMP("MDKUTL",$J
      TMP("MDKUTL",$J
^TMP("MDKUTL",538992716,1) = 968^PROCEDURE NOTE^OCT 10, 2001@17:08:36
^MDPROVIDER,ONE ^PROSTHETICS
^TMP("MDKUTL",538992716,2) = 969^PROCEDURE NOTE^OCT 10,
2001@17:10:44^^PROSTHET
I
CS
^TMP("MDKUTL",538992716,3) = 970^PROCEDURE NOTE^OCT 10,
2001@17:11:50^^PROSTHET
I
CS
^TMP("MDKUTL",538992716,4) = 971^PROCEDURE NOTE^OCT 10,
2001@17:15:45^^PROSTHET
I
CS
^TMP("MDKUTL",538992716,5) = 972^PROCEDURE NOTE^OCT 10,
2001@17:16:34^^PROSTHET
I
CS
^TMP("MDKUTL",538992716,6) = 974^PROCEDURE NOTE^OCT 11,
2001@10:56:03^^PROSTHET
I
CS
^TMP("MDKUTL",538992716,7) = 975^PROCEDURE NOTE^OCT 11,
2001@12:50:29^^PROSTHET
I
CS
Global ^

OPTION = VIEWTIU

> D RPC^MDRPCNT(.RESULTS,"VIEWTIU",476,968)

> D ^%G

Global ^TMP("TIUVIEW",$J
      TMP("TIUVIEW",$J
^TMP("TIUVIEW",538992716,1) =          TITLE: PROCEDURE NOTE

^TMP("TIUVIEW",538992716,2) = DATE OF NOTE: OCT 10, 2001@17:08:36  ENTRY
DATE:
O

```

## Exported Options

```
CT 10, 2001@17:08:36
^TMP("TIUVIEW",538992716,3) =          AUTHOR: MDPROVIDER,ONE   EXP COSIGNER:

^TMP("TIUVIEW",538992716,4) =          URGENCY:
STATUS:
C
COMPLETED
^TMP("TIUVIEW",538992716,5) =
^TMP("TIUVIEW",538992716,6) = PROCEDURE SUMMARY CODE: Abnormal

^TMP("TIUVIEW",538992716,7) = DATE/TIME PERFORMED: OCT 15, 2001
^TMP("TIUVIEW",538992716,8) =
^TMP("TIUVIEW",538992716,9) =          *** PROCEDURE NOTE Has ADDENDA ***
^TMP("TIUVIEW",538992716,10) =
^TMP("TIUVIEW",538992716,11) = Complete consult 1104. 6 attached images.
^TMP("TIUVIEW",538992716,12) =
^TMP("TIUVIEW",538992716,13) = /es/ MDPROVIDER,ONE
^TMP("TIUVIEW",538992716,14) =
^TMP("TIUVIEW",538992716,15) = Signed: 10/15/2001 13:02
^TMP("TIUVIEW",538992716,16) =
^TMP("TIUVIEW",538992716,17) = 10/15/2001 ADDENDUM
STATUS:

COMPLETED
^TMP("TIUVIEW",538992716,18) = aADDENDUM LA LA LA
^TMP("TIUVIEW",538992716,19) = LA LA LA
^TMP("TIUVIEW",538992716,20) =
^TMP("TIUVIEW",538992716,21) = /es/ MDPROVIDER,ONE
^TMP("TIUVIEW",538992716,22) =
^TMP("TIUVIEW",538992716,23) = Signed: 10/15/2001 13:04

NAME: MD TMDSUBMITU          TAG: RPC
ROUTINE: MDRPCOW           RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: RESTRICTED   WORD WRAP ON: TRUE
VERSION: 1

NAME: MD TMDWIDGET          TAG: RPC
ROUTINE: MDRPCOW           RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: RESTRICTED   WORD WRAP ON: TRUE
VERSION: 1

NAME: MDK GET VISTA DATA   TAG: RPC
ROUTINE: MDKRPC1           RETURN VALUE TYPE: ARRAY
AVAILABILITY: RESTRICTED   INACTIVE: ACTIVE
INPUT PARAMETER: OPTION     PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 8     REQUIRED: YES
SEQUENCE NUMBER: 1
DESCRIPTION:
This is the routine tag that will be called to retrieve the data.
INPUT PARAMETER: DATA      PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 50    REQUIRED: YES
SEQUENCE NUMBER: 2
DESCRIPTION:
This is whatever data is needed by the subroutine to process the request
for data. In many cases it will be a single value (e.g., patient id -
DFN).
```



## RETURN PARAMETER DESCRIPTION:

Returns an array.

RESULT(0)=number or  
 RESULT(0)=-1^error message  
 RESULT(1)=data  
 RESULT(n)=data

If data is not found, RESULT(0) will be contain a "-1" in the first piece and an error message in the second piece.

If data is found, RESULT(0) will contain a number that indicates how many entries are returned.

RESULT(1) through RESULT(n) will contain the data that is found.

NAME: **MDK GET/SET RENAL DATA**  
 ROUTINE: MDKRPC2  
 AVAILABILITY: RESTRICTED

TAG: RPC  
 RETURN VALUE TYPE: GLOBAL ARRAY  
 WORD WRAP ON: TRUE

NAME: **MDK UTILITY**  
 ROUTINE: MDKUTLR  
 AVAILABILITY: RESTRICTED

TAG: RPC  
 RETURN VALUE TYPE: GLOBAL ARRAY  
 WORD WRAP ON: TRUE

## Parameter Definitions

**NAME: MD ALLOW EXTERNAL ATTACHMENTS**

DISPLAY TEXT: Allow non-instrument attachments  
MULTIPLE VALUED: No VALUE TERM: Allowed  
VALUE DATA TYPE: yes/no

**DESCRIPTION:**

Set this value to Yes to allow users of CUser.exe to attach documents to the transaction that are not created by an instrument.

PRECEDENCE: 1 ENTITY FILE: SYSTEM

<sup>1</sup>**NAME: MD APPOINT END DATE**

DISPLAY TEXT: End Date for Encounter Appointments  
MULTIPLE VALUED: No VALUE TERM: Days  
VALUE DATA TYPE: numeric VALUE DOMAIN: 0:365  
VALUE HELP: Enter a number from 0 to 365.

**DESCRIPTION:**

Enter a number from 0 to 365 for the number of days that will be used to add to today as the end date range of the Encounter Appointments. If no value is entered, the default value used will be 0.

PRECEDENCE: 1 ENTITY FILE: SYSTEM

**NAME: MD APPOINT START DATE**

DISPLAY TEXT: Start Date for Encounter Appointments  
MULTIPLE VALUED: No VALUE TERM: Days  
VALUE DATA TYPE: numeric VALUE DOMAIN: 0:365  
VALUE HELP: Enter a number from 0 to 365.

**DESCRIPTION:**

Enter a number from 0 to 365 for the number of days that will be used to subtract from today as the start date range of the Encounter Appointments. If no value is entered, the default value used will be 200.

PRECEDENCE: 1 ENTITY FILE: SYSTEM

**NAME: MD COMPL PROC DISPLAY DAYS**

DISPLAY TEXT: Completed Proc Display Days  
MULTIPLE VALUED: No VALUE TERM: Days  
VALUE DATA TYPE: numeric VALUE DOMAIN: 1:365  
VALUE HELP: Enter the number of days from 1 to 365

**DESCRIPTION:**

The number of days the completed procedure requests will be displayed in the CP Check-in screen.

PRECEDENCE: 1 ENTITY FILE: SYSTEM

<sup>2</sup>**NAME: MD CHECK-IN PROCEDURE LIST**

DISPLAY TEXT: Check-in Procedure List  
MULTIPLE VALUED: Yes INSTANCE TERM: Procedure  
VALUE TERM: Schedule Appointment? VALUE DATA TYPE: set of codes  
VALUE DOMAIN: 0:None;1:Outpatient;2:Inpatient;3:Both

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

<sup>2</sup> Patch MD\*1.0\*14 March 2008 Parameter Definitions added.

VALUE HELP: Enter 0 for None, 1 for Outpatient, 2 for Inpatient, or 3 for both.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 702.01

INSTANCE HELP: Enter procedures that needs the study to be auto checked-in.

INSTANCE SCREEN CODE: I +\$P(^MDS(702.01,+Y,0),"^",9)>0

DESCRIPTION:

This parameter contains a list of procedures that will be used to auto check-in the CP studies during the procedures request in CPRS and whether appointments are scheduled for the procedure.

PRECEDENCE: 1

ENTITY FILE: SYSTEM

NAME: **MD CLINIC QUICK LIST**

DISPLAY TEXT: Clinic Quick List For CP

MULTIPLE VALUED: Yes

INSTANCE TERM: Clinic

VALUE TERM: Procedure

VALUE DATA TYPE: pointer

VALUE DOMAIN: 702.01

VALUE HELP: Select a procedure for the clinic.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 44

INSTANCE HELP: Enter clinics that need CP studies to be checked-in.

DESCRIPTION:

List of clinics used as a source to get a list of patients that need to have CP studies checked-in. This only applies to studies with procedures that have multiple results such as Hemodialysis, Respiratory Therapy, and sleep studies.

PRECEDENCE: 1

ENTITY FILE: SYSTEM

NAME: **MD CLINICS WITH MULT PROC**

DISPLAY TEXT: Clinics With Multiple Procedures

MULTIPLE VALUED: Yes

INSTANCE TERM: Procedure

VALUE TERM: Clinic

VALUE DATA TYPE: pointer

VALUE DOMAIN: 44

VALUE HELP: Enter a clinic for the procedure.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 702.01

INSTANCE HELP: Enter a procedure.

INSTANCE SCREEN CODE: I +\$P(^MDS(702.01,+Y,0),"^",9)>0

DESCRIPTION:

If you have a clinic for multiple procedures, populate this parameter with the procedure and associate it to a clinic.

PRECEDENCE: 1

ENTITY FILE: SYSTEM

<sup>1</sup>NAME: **MD CLINIC ASSOCIATION**

DISPLAY TEXT: MD Clinic Association

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Clinic;Procedure Association Value

PROHIBIT EDITING: No

VALUE DATA TYPE: free text

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:9999

INSTANCE HELP: Enter the sequence to associate a clinic and procedure.

DESCRIPTION:

This parameter is used to identify the clinic and procedure association. Each item should be entered with the following format

Clinic internal entry number\_";"\_Procedure internal entry number

PRECEDENCE: 1

ENTITY FILE: SYSTEM

<sup>1</sup> Patch MD\*1.0\*11 June 2009 Parameter Definition added



## DESCRIPTION:

This parameter stores a list of valid file types and the associated extensions of these files.

PRECEDENCE: 1 ENTITY FILE: SYSTEM

NAME: **MD GATEWAY**

MULTIPLE VALUED: Yes

VALUE TERM: Parameter Value

VALUE DOMAIN: 1:255

INSTANCE DOMAIN: 1:255

PRECEDENCE: 1

DISPLAY TEXT: CP Gateway Parameters

INSTANCE TERM: Parameter Name

VALUE DATA TYPE: free text

INSTANCE DATA TYPE: free text

ENTITY FILE: SYSTEM

NAME: **MD HFS SCRATCH**

DISPLAY TEXT: Vista Scratch HFS Directory

MULTIPLE VALUED: No

VALUE DATA TYPE: free text

VALUE HELP: Enter in an OS level directory

## DESCRIPTION:

Contains the directory specification for the Kernel OPEN^%ZISH call. This directory should be accessible for read/write operations by all CP users.

PRECEDENCE: 1

VALUE TERM: Directory name

VALUE DOMAIN: 1:250

ENTITY FILE: SYSTEM

NAME: **MD IMAGING XFER**

MULTIPLE VALUED: No

VALUE DATA TYPE: free text

## DESCRIPTION:

This parameter contains the name of a network server, share, and path (UNC) to a location where Clinical Procedures can put files for pick-up by the Imaging background processor for archiving.

PRECEDENCE: 1

DISPLAY TEXT: Imaging Network Share

VALUE TERM: Imaging Network Share

VALUE DOMAIN: 1:250

ENTITY FILE: SYSTEM

<sup>1</sup> NAME: **MDK APPLICATION INSTALL**

Install

MULTIPLE VALUED: Yes

INSTANCE TERM: Installation Distribution Info

VALUE TERM: Distribution Info Value

VALUE DATA TYPE: free text

INSTANCE DATA TYPE: free text

## DESCRIPTION:

This parameter is used to store the Hemodialysis application distribution information. The information includes the following:

- 1) Date/Time when application first launched.
- 2) User Name
- 3) System Option Loaded (Y/N)
- 4) Workstation of where the application was launched.

PRECEDENCE: 1

DISPLAY TEXT: MDK Application

PROHIBIT EDITING: No

VALUE DOMAIN: 1:250

INSTANCE DOMAIN: 1:250

ENTITY FILE: SYSTEM

NAME: **MDK GUI VERSION**

DISPLAY TEXT: Hemodialysis Version Compatibility

MULTIPLE VALUED: Yes

VALUE TERM: Compatible with current server version

PROHIBIT EDITING: No

INSTANCE DATA TYPE: free text

INSTANCE TERM: Application:Version

VALUE DATA TYPE: yes/no

INSTANCE DOMAIN: 1:40

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

## Exported Options

### DESCRIPTION:

This parameter is used to store the application:versions that are compatible with the current server version of Hemodialysis. Instance format of APPLICATION:VERSION (example: HEMODIALYSIS.EXE:0.0.0.0).  
PRECEDENCE: 1 ENTITY FILE: SYSTEM

<sup>1</sup>NAME: **MD MEDICINE CONVERTED** DISPLAY TEXT: Medicine Package  
Converted

MULTIPLE VALUED: No VALUE TERM: Yes/No  
PROHIBIT EDITING: No VALUE DATA TYPE: yes/no

### DESCRIPTION:

Used to determine if the Medicine Package has been converted.  
PRECEDENCE: 1 ENTITY FILE: SYSTEM

NAME: **MD OFFLINE MESSAGE** DISPLAY TEXT: Offline message  
MULTIPLE VALUED: No VALUE TERM: Offline Message

VALUE DATA TYPE: word processing

### DESCRIPTION:

This parameter contains a message to display to the users when the Clinical Procedures application is offline.  
PRECEDENCE: 1 ENTITY FILE: SYSTEM

<sup>2</sup>NAME: **MD OLYMPUS 7** DISPLAY TEXT: MD OLYMPUS 7

MULTIPLE VALUED: No VALUE TERM: Yes/No  
PROHIBIT EDITING: No VALUE DATA TYPE: yes/no  
VALUE HELP: Enter Yes/No whether you have Olympus version 7.3.7.

### DESCRIPTION:

This parameter definition indicates whether the Olympus device is version 7.3.7. The value is Yes/No. The default value is "No".  
PRECEDENCE: 1 ENTITY FILE: SYSTEM

NAME: **MD ONLINE**

DISPLAY TEXT: Clinical Procedure Online/Offline

MULTIPLE VALUED: No

VALUE TERM: Is Clinical Procedures Online

PROHIBIT EDITING: No VALUE DATA TYPE: yes/no

VALUE HELP: Enter 'Yes' to allow access to CP

### DESCRIPTION:

This parameter controls access to the Clinical Procedures package.  
PRECEDENCE: 1 ENTITY FILE: SYSTEM

<sup>3</sup>NAME: **MD USE APPOINTMENT** DISPLAY TEXT: Use Appointment  
Location

MULTIPLE VALUED: No VALUE TERM: Use Appointment location  
VALUE DATA TYPE: yes/no

### DESCRIPTION:

Set this value to Yes to allow CPUser to use the location of the appointment selected during CP study check-in for the workload. Otherwise, the hospital location of the CP Definition will be used.

<sup>1</sup> Patch MD\*1.0\*5 August 2006 Parameter Definition added.

<sup>2</sup> Patch MD\*1.0\*11 June 2009 Parameter Definition added.

<sup>3</sup> Patch MD\*1.0\*11 June 2009 Parameter Definition added.

Enter RETURN to continue or '^' to exit:

If no value is entered, the default value is No.

PRECEDENCE: 1 ENTITY FILE: SYSTEM

<sup>1</sup>NAME: **MD USE APPT WITH PROCEDURE**

DISPLAY TEXT: Use Appointment With Procedure

MULTIPLE VALUED: No

VALUE TERM: Use appointment with procedure

PROHIBIT EDITING: No VALUE DATA TYPE: yes/no

DESCRIPTION:

Enter "Y" or "N" for Yes/No on whether your site selects the appointment scheduled for outpatients during the procedure request in CPRS.

PRECEDENCE: 1 ENTITY FILE: SYSTEM

NAME: **MD USER DEFAULTS**

DISPLAY TEXT: CP User Defaults

MULTIPLE VALUED: Yes

INSTANCE TERM: Parameter setting

VALUE TERM: Parameter value

PROHIBIT EDITING: No

VALUE DATA TYPE: free text

VALUE DOMAIN: 1:250

INSTANCE DATA TYPE: free text

INSTANCE DOMAIN: 1:250

DESCRIPTION:

This parameter is used to store a users default parameter settings. Each setting is defined on the client.

PRECEDENCE: 1 ENTITY FILE: USER

NAME: **MD VERSION CHK**

DISPLAY TEXT: Version Compatibility

MULTIPLE VALUED: Yes

INSTANCE TERM: Application:Version

VALUE TERM: Compatible with current server version

PROHIBIT EDITING: No

VALUE DATA TYPE: yes/no

INSTANCE DATA TYPE: free text

INSTANCE DOMAIN: 1:30

DESCRIPTION:

This parameter is used to store the application:versions that are compatible with the current server version of Clinical Procedures. Instance format of APPLICATION:VERSION (example: CPMANAGER.EXE:0.0.0.0).

PRECEDENCE: 1 ENTITY FILE: SYSTEM

NAME: **MD WEBLINK**

DISPLAY TEXT: Clinical Procedures Home Page

MULTIPLE VALUED: No

VALUE TERM: Web Address

VALUE DATA TYPE: free text

VALUE DOMAIN: 1:250

DESCRIPTION:

This parameter contains the web address for the Clinical Procedures home page. This can be modified to a local address in the event that the pages are downloaded to be displayed from a local server location.

PRECEDENCE: 1 ENTITY FILE: SYSTEM

---

<sup>1</sup> Patch MD\*1.0\*14 March 2008 Parameter Definition added.

## Protocols

**NAME: MCAR Device Client** ITEM TEXT: Instrument Device Client  
TYPE: subscriber CREATOR: ACKERMAN,NIEN-CHIN  
PACKAGE: MEDICINE  
DESCRIPTION: Subscriber protocol for sending data to Vista from clinical instruments.  
TIMESTAMP: 59276,54156 RECEIVING APPLICATION: MCAR-INST  
TRANSACTION MESSAGE TYPE: ORU EVENT TYPE: R01  
PROCESSING ID: P LOGICAL LINK: MCAR INST  
VERSION ID: 2.3 RESPONSE MESSAGE TYPE: ACK  
PROCESSING ROUTINE: D ^MDHL7A SENDING FACILITY REQUIRED?: NO  
RECEIVING FACILITY REQUIRED?: NO

**NAME: MCAR Device Server** ITEM TEXT: Instrument HL7 Event Driver  
TYPE: event driver CREATOR: ACKERMAN,NIEN-CHIN  
PACKAGE: MEDICINE  
DESCRIPTION: This protocol is used by the HL7 package to send results to Vista from various clinical instrumentation.  
TIMESTAMP: 59276,54156 SENDING APPLICATION: INST-MCAR  
TRANSACTION MESSAGE TYPE: ORU EVENT TYPE: R01  
PROCESSING ID: P VERSION ID: 2.3  
SENDING FACILITY REQUIRED?: NO RECEIVING FACILITY REQUIRED?: NO  
SUBSCRIBERS: MCAR Device Client

**NAME: MCAR ORM CLIENT** TYPE: subscriber  
CREATOR: ACKERMAN,NIEN-CHIN RECEIVING APPLICATION: INST-MCAR  
EVENT TYPE: O02 RESPONSE MESSAGE TYPE: ORR  
SENDING FACILITY REQUIRED?: NO RECEIVING FACILITY REQUIRED?: NO  
SECURITY REQUIRED?: NO ROUTING LOGIC: Q

**NAME: MCAR ORM SERVER**  
ITEM TEXT: Clinical Procedures ORM Protocol Server  
TYPE: event driver CREATOR: ACKERMAN,NIEN-CHIN  
TIMESTAMP: 59276,54156 SENDING APPLICATION: MCAR-INST  
TRANSACTION MESSAGE TYPE: ORM EVENT TYPE: O01  
VERSION ID: 2.3  
SUBSCRIBERS: MCAR ORM CLIENT

<sup>1</sup>**NAME: MD RECEIVE GMRC**  
ITEM TEXT: Clinical Procedures receives messages from Consult  
TYPE: action CREATOR: ACKERMAN,NIEN-CHIN  
PACKAGE: CLINICAL PROCEDURES  
DESCRIPTION: This protocol receives messages from Consult. (IA 3140)  
ENTRY ACTION: D EN^MDWORC(.XQORMSG) TIMESTAMP: 60934,38793

**NAME: MD RECEIVE OR**  
ITEM TEXT: Clinical Procedures receives order msgs from CPRS  
TYPE: action CREATOR: ACKERMAN,NIEN-CHIN  
PACKAGE: CLINICAL PROCEDURES  
DESCRIPTION: This protocol receives order messages from CPRS. (IA 3135)  
ENTRY ACTION: D EN^MDWOR(.XQORMSG) TIMESTAMP: 60934,38793

---

<sup>1</sup> Patch MD\*1.0\*14 March 2008 Protocols added to support the auto study check-in.



## HL7 Application Parameters

NAME: **INST-MCAR**

COUNTRY CODE: USA

HL7 FIELD SEPARATOR: |

ACTIVE/INACTIVE: ACTIVE

HL7 ENCODING CHARACTERS: ^~\&

NAME: **MCAR-INST**

FACILITY NAME: VISTA

COUNTRY CODE: USA

HL7 FIELD SEPARATOR: |

ACTIVE/INACTIVE: ACTIVE

MAIL GROUP: POSTMASTER

HL7 ENCODING CHARACTERS: ^~\&

## HL Logical Links

```
NODE: MCAR INST                                LLP TYPE: TCP
  DEVICE TYPE: Single-threaded Server           STATE: Reading
  AUTOSTART: Enabled                           TIME STARTED: MAR 04, 2004@06:46:17
  TASK NUMBER: 526320                          SHUTDOWN LLP ?: NO
  QUEUE SIZE: 100
  RE-TRANSMISSION ATTEMPTS: 3                  READ TIMEOUT: 60
  ACK TIMEOUT: 60                             EXCEED RE-TRANSMIT ACTION: ignore
  TCP/IP PORT: 9026                           TCP/IP SERVICE TYPE: SINGLE LISTENER
  PERSISTENT: NO                              STARTUP NODE: DEV:ISC4A1
  IN QUEUE BACK POINTER: 331                  IN QUEUE FRONT POINTER: 331
  OUT QUEUE BACK POINTER: 220                 OUT QUEUE FRONT POINTER: 210

NODE: MCAR OUT                                LLP TYPE: TCP
  DEVICE TYPE: Non-Persistent Client           STATE: Openfail
  AUTOSTART: Enabled                           TIME STARTED: MAR 04, 2004@06:45:47
  TASK NUMBER: 529066                          SHUTDOWN LLP ?: NO
  QUEUE SIZE: 100
  READ TIMEOUT: 60                            RE-TRANSMISSION ATTEMPTS: 3
  EXCEED RE-TRANSMIT ACTION: ignore           ACK TIMEOUT: 60
  TCP/IP PORT: 9028                           TCP/IP ADDRESS: 10.3.17.157
  PERSISTENT: NO                              TCP/IP SERVICE TYPE: CLIENT (SENDER)
  IN QUEUE BACK POINTER: 202                  STARTUP NODE: DEV:ISC4A1
  OUT QUEUE BACK POINTER: 206                 IN QUEUE FRONT POINTER: 202
                                              OUT QUEUE FRONT POINTER: 202
```

## Menu Options by Name

```
NAME: MD GUI USER                            MENU TEXT: MD GUI USER
  TYPE: Broker (Client/Server)                CREATOR: ACKERMAN,NIEN-CHIN
  TIMESTAMP OF PRIMARY MENU: 59331,44145

RPC: MD TMDOUTPUT
RPC: MD TMDPARAMETER
RPC: MD TMDPATIENT
RPC: MD TMDPROCEDURE
RPC: MD TMDRECORDID
RPC: MD TMDTRANSACTION
RPC: MD TMDUSER
RPC: MD UTILITIES
  UPPERCASE MENU TEXT: MD GUI USER

NAME: MD GUI MANAGER                        MENU TEXT: MD GUI MANAGER
  TYPE: Broker (Client/Server)                CREATOR: ACKERMAN,NIEN-CHIN
  TIMESTAMP OF PRIMARY MENU: 59385,45622

RPC: MD TMDOUTPUT
RPC: MD TMDPARAMETER
RPC: MD TMDPATIENT
RPC: MD TMDPROCEDURE
RPC: MD TMDRECORDID
RPC: MD TMDTRANSACTION
RPC: MD TMDUSER
RPC: MD UTILITIES
RPC: MD GATEWAY
  UPPERCASE MENU TEXT: MD GUI MANAGER
```

<sup>1</sup>NAME: **MD AUTO CHECK-IN SETUP** MENU TEXT: Auto Study Check-In Setup  
 TYPE: run routine CREATOR: ACKERMAN,NIEN-CHIN  
 PACKAGE: CLINICAL PROCEDURES  
 DESCRIPTION: This option is used to populate the XPAR parameters MD USE APPT WITH PROCEDURE, MD CHECK-IN PROCEDURE LIST, MD CLINIC QUICK LIST, and MD CLINICS WITH MULT PROC. The four XPAR parameters are used for the auto study check-in. Users can use the option to indicate whether their site use and schedule appointments. They can populate a list of procedures and associated clinics that need a CP study checked-in.  
 ROUTINE: EN1^MDWSETUP  
 UPPERCASE MENU TEXT: AUTO STUDY CHECK-IN SETUP

NAME: **MD SCHEDULED STUDIES** MENU TEXT: Scheduled Studies  
 TYPE: run routine CREATOR: ACKERMAN,NIEN-CHIN  
 PACKAGE: CLINICAL PROCEDURES  
 DESCRIPTION: This option is tasked to run daily. It will process the HL7 messages that need to be sent to the device on a daily basis for CP studies.  
 ROUTINE: EN1^MDWORSR SCHEDULING RECOMMENDED: YES  
 UPPERCASE MENU TEXT: SCHEDULED STUDIES

NAME: **MD STUDY CHECK-IN** MENU TEXT: Study Check-in  
 TYPE: run routine CREATOR: ACKERMAN,NIEN-CHIN  
 PACKAGE: CLINICAL PROCEDURES  
 DESCRIPTION: This option is tasked to run daily. It checks-in CP studies for procedures that require multiple encounters such as Hemodialysis, Respiratory Therapy, and Sleep Studies.  
 ROUTINE: CLINICPT^MDWORSR SCHEDULING RECOMMENDED: YES  
 UPPERCASE MENU TEXT: STUDY CHECK-IN

<sup>2</sup>NAME: **MD HEMODIALYSIS USER** MENU TEXT: HEMODIALYSIS USER  
 TYPE: Broker (Client/Server) CREATOR: ACKERMAN,NIEN-CHIN  
 TIMESTAMP OF PRIMARY MENU: 60387,39853  
 RPC: MDK GET VISTA DATA  
 RPC: MDK GET/SET RENAL DATA  
 RPC: MDK UTILITY  
 RPC: VAFCTFU CONVERT DFN TO ICN  
 RPC: VAFCTFU CONVERT ICN TO DFN  
 RPC: MD TMDWIDGET  
 RPC: MD TMDNOTE  
 RPC: MD TMDCIDC  
 RPC: MD TMDLEX  
 RPC: MD TMDENCOUNTER  
 RPC: GMV MANAGER  
 RPC: MD GATEWAY  
 RPC: MD TMDSUBMITU  
 RPC: ORWPT PTINQ  
 RPC: GMV PTSELECT  
 RPC: DG SENSITIVE RECORD ACCESS  
 RPC: DG SENSITIVE RECORD BULLETIN  
 RPC: MD TMDRECORDID  
 UPPERCASE MENU TEXT: HEMODIALYSIS USER

<sup>1</sup> Patch MD\*1.0\*14 March 2008 Options added to support the auto study check-in.

<sup>2</sup> Patch MD\*1.0\*6 May 2008 Hemodialysis User menu option added.

## Exported Options

### NAME: **MD STUDIES LIST**

MENU TEXT: Clinical Procedures Studies List  
TYPE: run routine CREATOR: ACKERMAN,NIEN-CHIN  
PACKAGE: CLINICAL PROCEDURES  
DESCRIPTION: This option will generate a list of Clinical Procedures studies.  
ROUTINE: EN2^MDSTUDL  
UPPERCASE MENU TEXT: CLINICAL PROCEDURES STUDIES LI

### <sup>1</sup>NAME: **MDCVT MANAGER**

MENU TEXT: Medicine to CP Conversion Manager  
TYPE: menu CREATOR: ACKERMAN,NIEN-CHIN  
PACKAGE: CLINICAL PROCEDURES  
DESCRIPTION: This is the Medicine to CP Manager menu option. This menu option consists of options to assist the site in converting the Medicine reports to Clinical Procedures text reports.

ITEM: MDCVT SETUP	SYNONYM: 1
DISPLAY ORDER: 1	
ITEM: MDCVT RUN	SYNONYM: 3
DISPLAY ORDER: 3	
ITEM: MDCVT SUMMARY	SYNONYM: 4
DISPLAY ORDER: 4	
ITEM: MDCVT DISK SPACE	SYNONYM: 5
DISPLAY ORDER: 5	
ITEM: MDCVT LIST OF TIU TITLES	SYNONYM: 6
DISPLAY ORDER: 6	
ITEM: MDCVT TOTALS	SYNONYM: 7
DISPLAY ORDER: 7	
ITEM: MDCVT ERROR LOG	SYNONYM: 8
DISPLAY ORDER: 8	
ITEM: MDCVT CONVERSION LOCKOUT	SYNONYM: 9
DISPLAY ORDER: 9	
ITEM: MDCVT BUILD CONVERSION LIST	SYNONYM: 2
DISPLAY ORDER: 2	
TIMESTAMP: 60459,53192	TIMESTAMP OF PRIMARY MENU: 59904,24363
UPPERCASE MENU TEXT: MEDICINE TO CP CONVERSION MANA	

### NAME: **MDCVT SETUP**

MENU TEXT: Conversion Setup  
TYPE: run routine CREATOR: ACKERMAN,NIEN-CHIN  
PACKAGE: CLINICAL PROCEDURES X ACTION PRESENT: YES  
DESCRIPTION: This option will bring up a setup screen for the site to setup the Medicine Report Conversion parameter setup. This parameter setup allows the site to control which Medicine reports will be converted and which CP Definition and TIU title to link to.  
EXIT ACTION: K DDSFILE,DR,DA ROUTINE: SETUP^MDCVT  
UPPERCASE MENU TEXT: CONVERSION SETUP

### NAME: **MDCVT RUN**

MENU TEXT: Run the Conversion Process  
TYPE: run routine CREATOR: ACKERMAN,NIEN-CHIN  
PACKAGE: CLINICAL PROCEDURES  
DESCRIPTION: This option will start the Medicine Report conversion to Clinical Procedures. This option will only convert reports for procedures that have the "CONVERT Y/N" field set to "Yes" under the MEDICINE FILE PARAMETERS in the CP CONVERSION file (#703.9).  
ROUTINE: EN^MDCVT

---

<sup>1</sup> Patch MD\*1.0\*5 August 2006 Patch 5 menu options added.

UPPERCASE MENU TEXT: RUN THE CONVERSION PROCESS

NAME: **MDCVT SUMMARY** MENU TEXT: Summary of Conversion  
 Process  
 TYPE: print CREATOR: ACKERMAN,NIEN-CHIN  
 PACKAGE: CLINICAL PROCEDURES  
 DESCRIPTION: This option will generate a Medicine Report Conversion report. This report consists of a listing of all Medicine records that were processed in the conversion in variable pointer format and the status of the conversion whether the record was converted, skipped, or errored. If the record was converted, the total number of lines and bytes that the record was converted to in a TIU document will be displayed. If the record errored, the reason why it errored will be displayed. If the record was skipped, the reason why it was skipped will be displayed.  
 DIC {DIP}: MDD(703.9, L.: 0  
 FLDS: [MD CONVERSION SUMMARY] BY: [MD CONVERSION SUMMARY]  
 UPPERCASE MENU TEXT: SUMMARY OF CONVERSION PROCESS

NAME: **MDCVT DISK SPACE** MENU TEXT: Disk Space Requirements  
 TYPE: run routine CREATOR: ACKERMAN,NIEN-CHIN  
 PACKAGE: CLINICAL PROCEDURES  
 DESCRIPTION: This option will generate a summary of the Medicine report conversion. This summary consists of a list of the files converted to Clinical Procedures, the count of records converted, the total lines and Bytes the records were converted in each file.  
 ROUTINE: SUMMARY^MDCVT  
 UPPERCASE MENU TEXT: DISK SPACE REQUIREMENTS

NAME: **MDCVT LIST OF TIU TITLES** MENU TEXT: List of TIU Titles Needed  
 TYPE: run routine CREATOR: ACKERMAN,NIEN-CHIN  
 PACKAGE: CLINICAL PROCEDURES  
 DESCRIPTION: This option will allow the user to generate a list of Medicine procedures and the TIU titles needed to be created for the procedures that will be used for the Medicine report conversion. The PRINT NAME of the procedures in the PROCEDURE/SUBSPECIALTY file (#697.2) will be used in the display. This list will list the procedures and titles for a Medicine Package Procedure, if the "Convert Y/N" parameter is set to "Yes" and the "Use TIU Note Title" parameter is blank in the Conversion Setup option.  
 ROUTINE: DISP^MDSTATU  
 UPPERCASE MENU TEXT: LIST OF TIU TITLES NEEDED

NAME: **MDCVT TOTALS** MENU TEXT: Conversion Totals By Status  
 TYPE: run routine CREATOR: ACKERMAN,NIEN-CHIN  
 PACKAGE: CLINICAL PROCEDURES  
 DESCRIPTION: This option will verify that the Medicine reports conversion is complete and are in appropriate statuses.  
 ROUTINE: TOTALS^MDCVT  
 UPPERCASE MENU TEXT: CONVERSION TOTALS BY STATUS

NAME: **MDCVT ERROR LOG** MENU TEXT: Error Log  
 TYPE: print CREATOR: ACKERMAN,NIEN-CHIN

## Exported Options

PACKAGE: CLINICAL PROCEDURES

DESCRIPTION: This option generates a log of all the errors that occurred with each Medicine report during the conversion. The listing consists of the CONVERSION ID and ERROR MESSAGE. The CONVERSION ID consists of the record # concatenated with a ";" and the global location (e.g., "345;MCAR(699,)").

DIC {DIP}: MDD(703.9, L.: 0  
FLDS: [MD CONVERSION ERRORS] BY: [MD CONVERSION ERRORS]  
UPPERCASE MENU TEXT: ERROR LOG

NAME: **MDCVT CONVERSION LOCKOUT**

MENU TEXT: Conversion Lockout

TYPE: run routine

CREATOR: ACKERMAN,NIEN-CHIN

PACKAGE: CLINICAL PROCEDURES

DESCRIPTION: This option will let the user place a specialty/procedure or ALL specialty/procedures Enter/Edit and Report options 'OUT OF SERVICE' in the

Medicine package. It will also set Kernel site parameter MD MEDICINE CONVERTED to "YES" when all specialties/procedures enter/edit and report options are disabled or when the user indicated that all Medicine reports has been converted.

ROUTINE: LOCKOUT^MDCVT  
LOCKOUT

UPPERCASE MENU TEXT: CONVERSION

NAME: **MDCVT BUILD CONVERSION LIST**

MENU TEXT: Build Conversion List

TYPE: action

CREATOR: ACKERMAN,NIEN-CHIN

PACKAGE: CLINICAL PROCEDURES

E ACTION PRESENT: YES

X ACTION PRESENT: YES

DESCRIPTION: The user will need to run this option before using the [MDCVT RUN], Run the Conversion Process, option. This option will let the user build

the conversion list of the Medicine file records for the CP CONVERSION file (#703.9). It will populate the CONVERSION LOG sub-file (#703.92) with all entries in the "AC" cross reference in the MEDICAL PATIENT file (#690) and set

the STATUS field as "Ready to Convert" for each entry. This option can be queued. Once the conversion list is built, this option can also be used to add new additional entries in the Medicine file into the conversion list. This option will not overwrite the existing entries in the CONVERSION LOG but add to the list.

EXIT ACTION: K MDS ENTRY ACTION: S MDS=\$\$BLD^MDCVT1()  
UPPERCASE MENU TEXT: BUILD CONVERSION LIST

<sup>1</sup>NAME: **MD PROCESS NOSHOW/CANCEL**

MENU TEXT: Process No Show/Cancel Studies

TYPE: run routine

CREATOR: ACKERMAN,NIEN-CHIN

PACKAGE: CLINICAL PROCEDURES

DESCRIPTION: This option is tasked to run daily. It will check for any appointment that is No Show or Cancelled for CP studies in the "Pending Instrument Data" status.

ROUTINE: EN1^MDWCAN

UPPERCASE MENU TEXT: PROCESS NO SHOW/CANCEL STUDIES

<sup>1</sup> Patch MD\*1.0\*11 June 2009 Add new exported option.