Current Procedural Terminology (CPT)
V. 6.0 Installation Guide

May 1997

Introduction

This package was created using Kernel V. 8.0 and VA FileMan V. 21.0. It was exported using the Kernel Installation and Distribution System (KIDS). You must use Kernel V. 8.0 to install this software from the ICPT6_0.KID file. Installation will take between 5 and 40 minutes.

The CPT data files (#81 - #81.3) are loaded separately to expedite the installation process. The CPT globals were saved using the %GTO utility. Using the appropriate utility for your system (%GTI or %GR), restore the CPT globals from the appropriate file(s).

Alpha sites should use the file ICPT6_0.GBL, which contains all of the files, saved using the %GTO utility.

MSM sites need to load the globals separately. The files MSM sites should use are:
ICPT6_0G1.GBL which contains the ^ICPT global
ICPT6_0G2.GBL which contains the files stored in the ^DIC global (^DIC(81.1-81.3)).

Patches DG*5.3*123 and PX*1.0*32 will be automatically installed as part of this CPT installation, along with two routines from patch SD*5.3*111. The Patch Application History multiple of the Package file will be updated for the DG and PX patch. The Patch Application History multiple of the Package file for the SD patch will be updated when the rest of the patch is installed in the separate installation of SD*5.3*111 (which must follow the installation of this package).

List of Distributed Routines

DGYACPT	ICPT60PR	ICPT60PT	ICPTAPIU	ICPTCOD
ICPTCR	ICPTMOD	ICPTPRN	ICPTSR1	ICPTSR2
PXBUTL	SDAMBAE2	SDAMBAE3	VACPT	VAFHLPR1

15 routines

Package Integration

1. The following package versions (or higher) and the following patches **must** be installed **prior** to loading this version of the CPT update.

Kernel V. 8.0
VA FileMan V. 21.0
PIMS (MAS) V. 5.3
PCE V. 1.0
XU*8.0*51
DG*5.3*94

2. The following routines are included in the KIDS install and are loaded with this version of the CPT update.

Routine Checksums

DGYACPT	279218
ICPT60PR	3025554
ICPT60PT	2039236
ICPTAPIU	1872089
ICPTCOD	3761042
ICPTCR	1900266
ICPTMOD	4511692
ICPTPRN	1706506
ICPTSR1	1432053
ICPTSR2	1157028

Patch Checksums
(See descriptions of changes in Patches DG*5.3*123, SD*5.3*111 and PX*1.0*32)

Routine Name	Before Patch	After Patch	Patch List
PXBUTL	8211033	7306146	32
SDAMBAE2	14775992	13627813	15,79,111
SDAMBAE3	9615951	8689707	18,29,40,111
VACPT	638691	163873	123
VAFHLPR1	4402356	4354253	94,123

Installation Steps

Before starting the installation process, it is recommended that the following files be backed up as they will all be deleted as part of the install process.

Global   File
^ICPT(CPT (#81)
^DIC(81.1,   CPT CATEGORY (#81.1)
^DIC(81.2,   CPT COPYRIGHT (#81.2)
^DIC(81.3,   CPT MODIFIER (#81.3)
^DIC(81.4,   CPT MODIFIER CATEGORY (#81.4)
^DIC(81.5,   CPT SOURCE (#81.5)

1. The ^ICPT global will be killed during the installation. When rebuilt, it will consume approximately 10.3 megabytes of journal space. Ensure that you have adequate journal space prior to installation.

It is recommended that those users who would be referencing CPT codes be off the system. These include users of the ambulatory procedure codes in Scheduling and those affected users in Integrated Billing, Fee Basis, Radiology, and Surgery.

2. Make certain that your DUZ variable is set to a valid user number and that DUZ(0)="@". Alpha sites sign into the UCI where the ^ICPT global is located. MSM sites use a 40K partition.

3. Check routine mapping for SDAMBAE2, SDAMBAE3, PXBUTL, VACPT, and VAFHLPR1. (The ICPT* routines are not recommended for mapping.) Disable mapping, if applicable.

4. Delete the DGYA* routines from all systems prior to installing the package.

5. Using the Kernel Installation & Distribution menu [XPD MAIN], load, verify, and install the package as per the sample below (*4 KIDS Steps*). The sample installation dialogue that follows may vary depending on your system (Alpha or MSM).

KIDS Step #1

Select Kernel Installation & Distribution System Optio n: **Installation**

Select Installation Option: **LOAD** a Distribution
Enter a Host File: **ICPT6_0.KID**

*****NOTE: MSM sites will have to use the full file reference, e.g.,
C:\MSM\ICPT6_0.KID*****

KIDS Distribution saved on May 11, 1997@09:14:44
Comment: CPT V6.0 RELEASE

This Distribution contains Transport Globals for the following Package(s):
    ICPT 6.0

Want to Continue with Load? YES// **<RET>**
Loading Distribution...

Use ICPT 6.0 to install this Distribution.

KIDS Step #2

Select Installation Option: **VERIFY** Checksums in Transport Global

Select INSTALL NAME: **ICPT 6.0**   Loaded from Distribution 5/12/97@09:07:29
     => CPT V6.0 RELEASE ;Created on May 11, 1997@09:14:44

DEVICE: HOME// **<RET>**   LAT

PACKAGE: ICPT 6.0   May 12, 1997 9:08 am   PAGE 1
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15 Routine checked, 0 failed.

*****NOTE: If any routine checksums fail, contact PIMS Customer Support
at a CIO Field Office and do NOT proceed with the installation process.*****

KIDS Step #3

Select Kernel Installation & Distribution System Option: **Utilities**

Select Utilities Option: **Build File Print**

Select BUILD NAME: **ICPT 6.0**   ICPT/HCPCS CODES

DEVICE: HOME// **;;999** LAT

TYPE: SINGLE PACKAGE
NATIONAL PACKAGE: ICPT/HCPCS CODES
DESCRIPTION:
See associated package documentation for description.

ENVIRONMENT CHECK :
 PRE-INIT ROUTINE : ICPT60PR
POST-INIT ROUTINE : ICPT60PT
PRE-TRANSPORT RTN :

FILE #	NAME	UP DATE DD	SEND SEC. CODE	DATA COMES W/FILE	SITE DATA	RSLV PTS	USER OVER RIDE
81	CPT	YES	YES	NO			
81.1	CPT CATEGORY	YES	YES	NO			
81.2	CPT COPYRIGHT	YES	YES	NO			
81.3	CPT MODIFIER	YES	YES	NO			
409.5	SCHEDULING VISITS	YES	NO	NO			

Partial DD: subDD: 409.51   fld: 21
                              fld: 22
                              fld: 23
                              fld: 24
                              fld: 25

PRINT TEMPLATE:
   DGYA MODIFIER DESCRIPTION   FILE #81.3   DELETE AT SITE
   DGYA PRINT   FILE #81   DELETE AT SITE
   ICPT MODIFIERS BY RANGE   FILE #81.3   SEND TO SITE
   ICPT PRINT   FILE #81   SEND TO SITE

SORT TEMPLATE:
   ICPT MODIFIERS FOR RANGE   FILE #81.3   SEND TO SITE
   ICPT NEW/INACTIVE CODES   FILE #81   SEND TO SITE

INPUT TEMPLATE:
   SDAMBT   FILE #409.5   SEND TO SITE
   SDXACSE   FILE #409.5   SEND TO SITE

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ROUTINE:
    DGYACPT                                 SEND TO SITE
    DGYADSRT                                DELETE AT SITE
    DGYANSRT                                DELETE AT SITE
    DGYAPRN                                 DELETE AT SITE
    DGYARSR2                                DELETE AT SITE
    DGYARSRT                                DELETE AT SITE
    DGYAUP                                  DELETE AT SITE
    DGYAUPAP                                DELETE AT SITE
    DGYAUPY                                 DELETE AT SITE
    DGYAVEN                                 DELETE AT SITE
    DGYAVPR                                 DELETE AT SITE
    DGYAVPT                                 DELETE AT  SITE
    ICPTAPIU                                SEND TO SITE
    ICPTCOD                                 SEND TO SITE
    ICPTCR                                  SEND TO SITE
    ICPTMOD                                 SEND TO SITE
    ICPTPRN                                 SEND TO SITE
    ICPTSR1                                 SEND TO SITE
    ICPTSR2                                 SEND TO SITE
    PXBUTL                                  SEND TO SITE
    SDAMBAE2                                SEND TO SITE
    SDAMBAE3                                SEND TO SITE
    VACPT                                   SEND TO SITE
    VAFHLPR1                                SEND TO SITE

OPTION:
    DGYA AMBUL PROC LOCAL ACTIVE            DELETE AT SITE
    DGYA CPT CODES INACTIVE                 DELETE AT SITE
    DGYA NEW CPT CODES                      DELETE AT SITE
    DGYA OUTPUT MENU                        DELETE AT  SITE
    DGYA REVISED CPT CODES                  DELETE AT SITE
    ICPT CPT CODES INACTIVE                 SEND TO SITE
    ICPT MODIFIERS BY RANGE                 SEND TO SITE
    ICPT NEW CPT CODES                      SEND TO S ITE
    ICPT OUTPUT MENU                        SEND TO SITE
    ICPT REVISED CPT CODES                  SEND TO SITE

REQUIRED BUILDS:                            ACTION:
    XU*8.0*51                               Don't install, le ave global
    SD*5.3*79                               Don't install, leave global
    PCE PATIENT CARE ENCOUNTER 1.0          Don't install, leave global
    DG*5.3*94                               Don't install, leave global
```

NOTE: The CPT globals will be killed as part of this installation.

KIDS Step #4

Select Installation Option: **Install** Package(s)

Select INSTALL NAME: **ICPT 6.0**   Loaded from Distribution 5/12/97@11:40:55
     => CPT PACKAGE;Created on May 11, 1997

This Distribution was loaded on May 12, 1997@11:40:55 with header of
CPT PACKAGE;Created on May 11, 1997@11:37:08

It consisted of the following Install(s):
ICPT 6.0

   ICPT 6.0

Install Questions for ICPT 6.0

Incoming Files:

   81   CPT
Note: You already have the 'CPT' File.

   81.1   CPT CATEGORY (including data)
Note: You already have the 'CPT CATEGORY' File.

   81.2   CPT COPYRIGHT (including data)
Note: You already have the 'CPT COPYRIGHT' File.

   81.3   CPT MODIFIER (including data)
Note: You already have the 'CPT MODIFIER' File.

   409.5   SCHEDULING VISITS (Partial Definition)
Note: You already have the 'SCHEDULING VISITS' File.

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// **<RET>**

*****NOTE: If you are installing on a MSM system, you will be asked to move
routines to other CPUs.*****

Want to MOVE routines to other CPUs? NO// **YES**

Please enter the VOLUME SETS you want me to update.

Select Volume Set: **CSA**
  Are you adding "CSA" as a new VOLUME SET (the 1st for this INSTALL)? **YES**
Select Volume Set: **<RET>**

Enter options you wish to mark as 'Out Of Order': **DGYA***

*****NOTE: Include any options referencing the CPT codes in Scheduling,
Integrated Billing, Fee Basis, Surgery, and Radiology.*****

Enter options you wish to mark as 'Out Of Order': **<RET>**

Enter protocols you wish to mark as 'Out Of Order': **<RET>**

NOTE: Enter the number of minutes necessary for users currently logged on to log off prior to beginning the installation.

Delay Install (Minutes): (0-60): 0// **<RET>**

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// **<RET>**   LAT

 Install Started for ICPT 6.0 :
                May 12, 1997@11:42:33

 Installing Routines
                May 12, 1997@11:42:35

 Running Pre-Install Routine: ^ICPT60PR

Both the data and data dictionary will be deleted for the following files:
81 - CPT; 81.1 - CPT CATEGORY; 81.2 - CPT COPYRIGHT; and 81.3 - CPT MODIFIER

Files 81.4 - CPT MODIFIER CATEGORY and 81.5 - CPT SOURCE will be
permanently deleted with this release.

File #81.1, CPT CATEGORY, has been deleted
File #81.2, CPT COPYRIGHT has been deleted
File #81.3, CPT MODIFIER has been deleted
File #81.4, CPT MODIFIER CATEGORY has been permanently deleted.
File #81.5, CPT SOURCE has been permanently deleted.

>>> Deleting data and data dictionary for file #81, CPT

... File data and DD deletions complete.

 Installing Data Dictionaries:
                May 12, 1997@11:45:15

 Installing Data: ....
                May 12, 1997@11:46:10

 Installing PACKAGE COMPONENTS:

 Installing PRINT TEMPLATE

 Installing SORT TEMPLATE

 Installing OPTION
                May 12, 1997@11:46:16

 Running Post-Install Routine: ^ICPT60PT

```
>>Updating Patch Application History for PCE with PX*1*32
 >>Updating Patch Application History for REGISTRATION with DG*5.3*123

*** YOU MUST LOAD THE CPT GLOBALS FROM THE APPROPRIATE ***
*** ICPT6_*.GBL UPON COMPLETION OF THIS INSTALLATION! ***

 Updating Routine file...

 The following Routines were created during this install:
     SDXA
     SDXA1
     SDXA2
     SDXACSE
     SDXACSE1
     SDXACSE2

 Updating KIDS files...

 ICPT 6.0 Installed.
              May 12, 1997@11:46:19

Install Completed
```

6. Check install messages for any error messages prior to proceeding.

Sample INSTALL print

```
PACKAGE: ICPT 6.0      May 14, 1997 8:21 am                      PAGE 1
                                         COMPLETED         ELAPSED
-----------------------------------------------------------------------------
STATUS: Install Completed           DATE LOADED: MAY 14, 1997@07:59:59
INSTALLED BY: CPTEMPLOYEE,ONE
NATIONAL PACKAGE: ICPT/HCPCS CODES

INSTALL STARTED: MAY 14, 1997@08:01:20     08:07:25             0:06:05

ROUTINES:                                  08:01:24             0:00:04

PRE-INIT CHECK POINTS:
XPD PREINSTALL STARTED                     08:06:46             0:05:22
XPD PREINSTALL COMPLETED                   08:06:47             0:00:01

FILES:
CPT                                        08:06:52             0:00:05
CPT CATEGORY                               08:06:53             0:00:01
CPT COPYRIGHT                              08:06:54             0:00:01
CPT MODIFIER                               08:06:56             0:00:02
SCHEDULING VISITS                          08:07                0:00:04

PRINT TEMPLATE                             08:07:02             0:00:02
SORT TEMPLATE                              08:07:03             0:00:01
INPUT TEMPLATE                             08:07:11             0:00:08
OPTION                                     08:07:18             0:00:07
```

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POST-INIT CHECK POINTS:
XPD POSTINSTALL STARTED                           08:07:20                0:00:02
XPD POSTINSTALL COMPLETED                         08:07:20

INSTALL QUESTION PROMPT                                                   ANSWER

XPZ1    Want to DISABLE Scheduled Options, Menu Options, and Protocols NO
MESSAGES:

  Install Started for ICPT 6.0 :
             May 14, 1997@08:01:20

  Installing Routines:
             May 14, 1997@08:01:24

  Running Pre-Install Routine: ^ICPT60PR

Both the data and data dictionary will be deleted for the following files:
81 - CPT; 81.1 - CPT CATEGORY; 81.2 - CPT COPYRIGHT; and 81.3 - CPT MODIFIER

Files 81.4 - CPT MODIFIER CATEGORY and 81.5 - CPT SOURCE will be
permanently deleted with this release.

File #81.1, CPT CATEGORY, has been deleted
File #81.2, CPT COPYRIGHT has been deleted
File #81.3, CPT MODIFIER has been deleted
File #81.4, CPT MODIFIER CATEGORY has been permanently deleted.
File #81.5, CPT SOURCE has been permanently deleted.

>>> Deleting data and data dictionary for file #81, CPT...

... File data and DD deletions complete.

  Installing Data Dictionaries:
             May 14, 1997@08:07

  Installing PACKAGE COMPONENTS:

  Installing PRINT TEMPLATE

  Installing SORT TEMPLATE

  Installing INPUT TEMPLATE

  Installing OPTION
             May 14, 1997@08:07:18

  Running Post-Install Routine: ^ICPT60PT

 >>Updating Patch Application History for PCE with PX*1*32
 >>Updating Patch Application History for REGISTRATION with DG*5.3*123

*** YOU MUST LOAD THE CPT GLOBALS FROM THE APPROPRIATE ***
*** ICPT6_*.GBL UPON COMPLETION OF THIS INSTALLATION! ***

  Updating Routine file...
```

```
The following Routines were created during this install:
     SDXA
     SDXA1
     SDXA2
     SDXACSE
     SDXACSE1
     SDXACSE2

 Updating KIDS files...

 ICPT 6.0 Installed.
               May 14, 1997@08:07:25
```

7. Global load. Use the appropriate utility for your system to restore the CPT globals. They were saved using ^%GTO.

     For Alpha: >D^%GTI for file ICPT6_0.GBL

     For MSM: >D^%GR for files ICPT6_G1.GBL and ICPT6_G2.GBL

After loading the globals, verify that the 0-nodes look like:

^ICPT(0)=CPT^81I^104646^13961
^DIC(81.1,0)=CPT CATEGORY ^81.1^198^197
^DIC(81.2,0)=CPT COPYRIGHT ^81.2^1^1
^DIC(81.3,0)=CPT MODIFIER ^81.3I^358^341

To ensure that the globals loaded correctly, use your global lister to check the following nodes of each of the four files:

^ICPT(104646,0)=Q0157^Human albumin 25%   ^195^^^H
^DIC(81.1,198,0)=HEARING SERVICES^s^^V5000^V5999^H
^DIC(81.2,1,0)=CPT MESSAGE^2970602
^DIC(81.3,358,0)=YY^CWT/VI SUPPORTED EMPLOYMENT^^V

8. Move ICPT* routines and SDAMBAE2, SDAMBAE3, PXBUTL, VACPT, VAFHLPR1 to all systems if not done via KIDS. (If ==> Want to MOVE routines to other CPUs? NO//   in installation.)

9. Re-enable mapping, if disabled.

10. If users have been taken off line, they can now be brought back on line.

11. Upon successful installation of the ICPT6_0.KID build and the ICPT6_*.GBL globals, routines ICPT6* may be deleted.

12. The following two patches need to be installed at this time: IB*2*76 and SD*5.3*111. The IB patch must be installed first, as it is required by the SD patch.