

**Current Procedural Terminology (CPT)  
V. 6.0 Installation Guide**

**May 1997**

Introduction  
List of Distributed Routines  
Package Integration  
Installation Steps

## 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	ICTPRN	ICPSR1	ICPSR2
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)

<b>Routine Name</b>	<b>Before Patch</b>	<b>After Patch</b>	<b>Patch List</b>
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.

<u>Global</u>	<u>File</u>
^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 Option: **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

-----  
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/HPCPS 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

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 SITE
ICPT OUTPUT MENU	SEND TO SITE
ICPT REVISED CPT CODES	SEND TO SITE

REQUIRED BUILDS:

XU\*8.0\*51  
SD\*5.3\*79  
PCE PATIENT CARE ENCOUNTER 1.0  
DG\*5.3\*94

ACTION:

Don't install, leave global  
Don't install, leave global  
Don't install, leave global  
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 1<sup>st</sup> 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: RUBIN,ALICE
NATIONAL PACKAGE: ICPT/HCPSCS 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
```

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.