

CADD5[®] 5i Release 11 Release Notes

CADD5[®] 5i Release 11

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Parametric Technology Corporation, 128 Technology Drive, Waltham, MA 02453-8905
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Preface

CADDS 5i Release 11 Release Notes include:

- System considerations for UNIX and Windows NT
- Tips and Features
- Considerations

Related Documents

The following documents may be helpful as you use the *CADDS 5i Release 11 Release Notes*:

- *Installing CADDS 5i*
- *CV-DORS User Guide*
- *What's New in CADDS 5i Release 11*
- *Using the License Manager*

Book Conventions

The following table illustrates and explains conventions used in writing about CADD5 applications.

Convention	Examples	Explanation
Menu selections and options	List Section option, Specify Layer field	Indicates a selection you must make from a menu or property sheet or a text field that you must fill in.
User-selected graphic location	X, d ₁ or P1	Marks a location or entity selection in graphic examples.
User input in CADD5 text fields and on any command line	<code>cvaec.hd.data.param</code> <code>tar -xvf /dev/rst0</code>	Enter the text in a CADD5 text field or on any command line.
System output	Binary transfer complete.	Indicates system responses in the CADD5 text window or on any command line.
Variable in user input	<code>tar -cvf /dev/rst0 filename</code>	Replace the variable with an appropriate substitute; for example, replace filename with an actual file name.
Variable in text	tagname	Indicates a variable that requires an appropriate substitute when used in a real operation; for example, replace tagname with an actual tag name.
CADD5 commands and modifiers	INSERT LINE TANTO	Shows CADD5 commands and modifiers as they appear in the command line interface.
Text string	"SRFGROUPA" or 'SRFGROUPA'	Shows text strings. You must enclose text string with single or double quotation marks.
Integer	n	Supply an integer for the n.
Real number	x	Supply a real number for the x.
#	# mkdir /cdrom	Indicates the root (superuser) prompt on command lines.
%	% rlogin remote_system_name -l root	Indicates the C shell prompt on command lines.
\$	\$ rlogin remote_system_name -l root	Indicates the Bourne shell prompt on command lines.

Window Managers and the User Interface

According to the window manager that you use, the look and feel of the user interface in CADD5 can change. Refer to the following table:

Look and Feel of User Interface Elements

User Interface Element	Common Desktop Environment (CDE) on Solaris, HP, DEC, and IBM	Window Manager Other Than CDE on Solaris, HP, DEC, IBM, SGI, and NT
Option button	ON — Round, filled in the center OFF — Round, empty	ON — Diamond, filled OFF — Diamond, empty
Toggle key	ON — Square with a check mark OFF — Square, empty	ON — Square, filled OFF — Square, empty

Online User Documentation

Online documentation for each book is provided in HTML if the documentation CD-ROM is installed. You can view the online documentation in the following ways:

- From an HTML browser
- From the Information Access button on the CADD5 desktop or the Local Data Manager (LDM)

Please note: The LDM is valid only for standalone CADD5.

You can also view the online documentation directly from the CD-ROM without installing it.

From an HTML Browser:

1. Navigate to the directory where the documents are installed. For example,

```
/usr/apl/cadd5/data/html/htmldoc/ (UNIX)
```

```
Drive:\usr\apl\cadd5\data\html\htmldoc\ (Windows NT)
```

2. Click `mainmenu.html`. A list of available CADD5 documentation appears.
3. Click the book title you want to view.

From the Information Access Button on the CADD5 Desktop or LDM:

1. Start CADD5.
2. Choose Information Access, the **i** button, in the top-left corner of the CADD5 desktop or the LDM.
3. Choose DOCUMENTATION. A list of available CADD5 documentation appears.
4. Click the book title you want to view.

From the Documentation CD-ROM:

1. Mount the documentation CD-ROM.
2. Point your browser to:
CDROM_mount_point/htmldoc/mainmenu.html (UNIX)
CDROM_Drive:\htmldoc\mainmenu.html (Windows NT)

Online Command Help

You can view the online command help directly from the CADD5 desktop in the following ways:

- From the Information Access button on the CADD5 desktop or the LDM
- From the command line

From the Information Access Button on the CADD5 Desktop or LDM:

1. Start CADD5.
2. Choose Information Access, the **i** button, in the top-left corner of the CADD5 desktop or the LDM.
3. Choose COMMAND HELP. The Command Help property sheet opens displaying a list of verb-noun combinations of commands.

From the Command Line: Type the exclamation mark (!) to display online documentation before typing the verb-noun combination as follows:

```
#01#!INSERT LINE
```

Printing Documentation

A PDF (Portable Document Format) file is included on the CD-ROM for each online book. See the first page of each online book for the document number referenced in the PDF file name. Check with your system administrator if you need more information.

Please note: You must have Acrobat Reader installed to view and print PDF files.

The default documentation directories are:

- /usr/apl/cadds/data/html/pdf/doc_number.pdf (UNIX)
- CDROM_Drive:\usr\apl\cadds\data\html\pdf\doc_number.pdf (Windows NT)

Resources and Services

For resources and services to help you with PTC (Parametric Technology Corporation) software products, see the *PTC Customer Service Guide*. It includes instructions for using the World Wide Web or fax transmissions for customer support.

Documentation Comments

PTC welcomes your suggestions and comments. You can send feedback in the following ways:

- Send comments electronically to doc-webhelp@ptc.com.

Fill out and mail the PTC Documentation Survey located in the *PTC Customer Service Guide*.

This chapter provides system considerations for this release of CADD5, in the following areas:

- What's New in CADD5 5i Release 11
- Running CADD5 on UNIX
- Licensing
- Supported Compilers
- Supported Operating System Versions — UNIX
- Supported Patches
- Windows NT System Requirements
- Web Sites
- Accessing Open or Resolved Issues
- Supported Tablets
- Supported Dialbox
- Supported OpenGL Version
- Options to Install OrbixWeb Files
- Configuring OrbixWeb 3.0 and Using OrbixWeb commands
- Supported Oracle Versions — UNIX
- DMENU Support
- Using IGES and STEP

What's New in CADD5 5i Release 11

After starting CADD5, to see what's new in CADD5 5i Release 11, set the variable `CADD5_SHOW_WHATS_NEW` to `yes` in the `.caddsrc-local` file as follows:

```
setenv CADD5_SHOW_WHATS_NEW yes
```

Running CADD5 on UNIX

Run CADD5 in a C Shell environment only. If you run CADD5 in an environment other than C Shell unexpected results may occur.

Licensing

This CADD5 release requires a new license file. See the *PTC Customer Service Guide* for more information.

In addition to the information in this section, see licensing information in *Using the License Manager*.

Supported Compilers

Compilers for this CADD5 release are listed in the following table.

Table 1-1 Supported Compilers

Platform	OS	C	C++	FORTRAN
Sun SPARC	Solaris 2.6	Sparc Compiler C 4.2	Sparc Compiler C++ 4.2	Sparc Compiler Fortran 4.2
SGI/Mips	IRIX 6.2 (3.2 bit)	7.2.1.2	7.2.1.2	7.2.1.2
DEC/Alpha	Digital Unix 4.0D	V5.6	V6.0	V5.0
HP/PA-RISC 700	HPUX 10.20	G.10.32.05	ac++/A.01.15	B.10.20.09
IBMR6000 1	AIX 4.2.1	3.6.4.2	3.6.4.2	4.1.0.0
Intel NT 4.0	Windows NT 4.0	MSVC 6.0	MSVC 6.0	MSVC 6.0

Please note: When compiling, programming products are supported only on the CADD5 build platforms listed in the preceding table. The resulting compiled code is supported on all operating system versions on which CADD5 is currently supported.

Supported Operating System Versions — UNIX

CADD5 supports the following operating systems and window managers.

Table 1-2 Supported UNIX Operating Systems and Window Managers

Platform	OS Version and Window Manager
Sun/SPARC	Solaris 2.6, 2.7
SGI	IRIX 6.2, 6.3 (Indigo Magic), 6.4, and 6.5
DEC	Digital UNIX v4.0D
HP	HP-UX 10.20 (HP-VUE and CDE)
IBM	AIX 4.2.1 (CDE) and 4.3.2
Intel NT	Windows NT 4.0

Use the command `uname -a` to find out the OS version of the system.

Please note: Use CADD5 5 Release 11 and its associated products for Sun on Solaris version 2.6 or 2.7 only.

Supported Patches

This CADD5 release was subjected to final qualification using system patch bundles available on December 13, 1999 with certain exceptions. See <http://www.ptc.com/cgi/cs/doc/document.pl?product=CC5> for the list of qualified patch bundles and exceptions.

Supported Patches While Using ATB on Sun Solaris

Use the following patches in addition to the CADD5 patches to use Associative Topology Bus (ATB) on Sun Solaris.

Table 1-3 Supported Patches for ATB on Sun Solaris

OS	Patch
Solaris 2.6	105633-06 OpenWindows 105284-12 Motif 105591-02 libC 105360, 105361 Creator 3D 105363, 105361 Elite 3D

The information in the preceding table is as listed at the following site:

<http://www.ptc.com/partners/hardware/21/sun.htm>

Please note: On Solaris 2.7, no additional patches are required other than the patches for CADD5.

Required ISD Patches

The patch PHSS_19963 is required for ISD to run on HP.

Using ISD in PEX or X11 Mode (HP Only)

If you plan to use ISD on HP in the PEX or X11 mode with the HP-UX 10.20 ACE3 patch bundle installed, you must replace the PHSS_13900 patch with PHSS_11399, which is an earlier version.

Windows NT System Requirements

To run CADD5 on Windows NT, your system must meet the minimum requirements listed in the following table.

Table 1-4 Windows NT System Requirements

Component	Minimum Requirement
CPU	Pentium 133 MHz or better
RAM	64 MB
Hard disk	350 MB available for software
Virtual Memory/Swap	Minimum of 250 MB
Monitor	17" SVGA or better and a 2D graphics card with at least 2 MB memory If you are running CADD5 on Windows NT on an X server, set your monitor resolution to a minimum of 1024 by 768.
CD-ROM drive	Required hardware
Operating system	Windows NT 4.0, Service Pack 4 and above
Network protocol software	Windows NT TCP/IP
X Server	Hummingbird's Exceed X Server 6.1 and Exceed 3D version 6.1. (This is available on your CADD5 CD-ROM.)

Web Sites

The Web site for Parametric Technology Corporation is
<http://www.ptc.com>.

The following table provides a list of vendor Web sites.

Table 1-5 Vendor Web Sites

Vendor	Web Site
SGI (main Web site)	http://www.sgi.com
Sun (main Web site)	http://www.sun.com
Sun (Web site for patches)	http://sunsolve.sun.com
CVSI Web site for Sun patches	http://softserv.cvsi.com
Digital (main Web site)	http://www.digital.com
Digital (Web site for patches)	http://www.service.digital
Digital (Web site for CADD5 Tuning Guide for Digital UNIX)	http://www.alphastation.digital.com/ application/config_guide/config_guide.html
HP (main Web site)	http://www.hp.com
IBM (main Web site)	http://www.ibm.com
IBM (Web site for patches)	http://www.boulder.ibm.com
ITI (Web site)	http://www.labinfo@iti-oh.com

Accessing Open or Resolved Issues

To search and view reported issues that are specific to a release:

1. Access <http://www.ptc.com/support/support.htm>.
2. Search for Technical Application Notes under Search + Browse the Knowledge Base or Online Support Applications.

To access this search tool, you must have an account with PTC. To open an account, call 800-506-2657.

Supported Tablets

The following table lists the tablets supported for this CADD5 release.

Table 1-6 Supported Tablets

System	Explicit	Parametric
SUN Solaris 2.x	Yes	No
DEC Digital UNIX	No	No
HP HP-UX	Yes	No
SGI IRIX	No	No
IBM AIX	No	No
Intel NT	No	No

Supported Dialbox

The following table lists the dialbox supported for this CADD5 release.

Table 1-7 Supported Dialbox

System	Explicit	Parametric
SUN Solaris 2.x	Yes	Yes
DEC Digital UNIX	Yes	Yes
HP HP-UX	Yes	Yes
SGI IRIX	Yes	Yes
IBM AIX	Yes	Yes
Intel NT	No	No

Supported OpenGL Version

CADD5 supports OpenGL version 1.1.1 on Solaris. Install OpenGL version 1.1.1 on Solaris to use OpenGL for accelerated graphics.

Options to Install OrbixWeb Files

The following CADD5 packages use CORBA (Common Object Request Broker Architecture):

- Workgroup Manager for CADD5
- Associative Topology Bus (ATB)
- EPD Enabled CADD5 5i

When installing the above packages, the Iona OrbixWeb 3.0¹ implementation of a CORBA 2.0 ORB (Object Request Broker) runtime environment is installed in the standard CADD5 directory structure from the CADD5 CD-ROM. The default installation correctly configures OrbixWeb for its use with CADD5. Users or sites that have an existing CORBA installation, however, may require the OrbixWeb configuration information explained in following section, in the event of conflicts.

Configuring OrbixWeb 3.0 and Using OrbixWeb commands

This section provides tips on configuring OrbixWeb and using OrbixWeb commands with EPD Enabled CADD5 5i, ATB Enabled CADD5 5i, and WorkGroup Manager for CADD5.

For more information on OrbixWeb commands, refer to *Installing CADD5 5i*.

Prerequisites

Source the `/usr/apl/cadds/data/orbixweb/setenvs.csh` script before using the OrbixWeb commands.

1. OrbixWeb is a Registered Trademark of IONA Technologies PLC.

The OrbixWeb daemon must be running before you use the OrbixWeb commands. If not, an error message appears indicating that the OrbixWeb daemon is not running.

OrbixWeb Command	Usage
<code>pingit</code>	Reports whether the OrbixWeb daemon is running
<code>psit</code>	Reports the active OrbixWeb server processes (actually running OrbixWeb server processes)
<code>lsit</code>	Reports the OrbixWeb server processes registered with OrbixWeb
<code>catit</code>	Reports the Implementation Repository entry for the specified OrbixWeb server
<code>killit</code>	In exceptional circumstances, use this command to terminate active OrbixWeb server processes of CADD5.

The following table lists the OrbixWeb server process names reported by the OrbixWeb commands `psit` and `lsit`.

Product	Server Process Name
EPD Enabled CADD5 5i	Cadd5
ATB Enabled CADD5 5i	Cadd5ATB (corresponds to ATB Enabled CADD5 5i) ProEClient (corresponds to e/ENGINEER client)
WorkGroup Manager for CADD5	EPMCADD55Server

Configuring the Port Number for OrbixWeb Server Processes of CADD5 5i

The OrbixWeb server processes of CADD5 5i are configured to run on specific ports, as listed in the following table. Use the `cat it` command to obtain the port number.

Product	Server Process Name	Port Number
EPD Enabled CADD5 5i	Cadds	1240
ATB Enabled CADD5 5i	CaddsATB (corresponds to ATB Enabled CADD5 5i)	1241
	ProEClient (corresponds to e/ENGINEER client)	1245
WorkGroup Manager for CADD5	EPMCADD5Server	Dynamically allocated by OrbixWeb according to settings in the OrbixWeb configuration files <code>/usr/apl/cadds/data/orbixweb/Orbix.cfg</code> and <code>/usr/apl/cadds/data/orbixweb/classes/OrbixWeb.properties</code> The dynamically allocated port numbers start at 2000 as preconfigured by CADD5.

If any of the port numbers in the preceding table conflict with any other applications on your system, use the `put it` OrbixWeb command to change the port number for EPD Enabled CADD5 5i or ATB Enabled CADD5 5i.

To change the dynamically allocated port numbers, edit the
`/usr/apl/cadds/data/orbixweb/Orbix.cfg` and
`/usr/apl/cadds/data/orbixweb/classes/OrbixWeb.properties`
files and change the value of the `IT_DAEMON_SERVER_BASE` setting. In CADD5, `IT_DAEMON_SERVER_BASE` is set to 2000 by default.

Supported Oracle Versions — UNIX

For this CADD5 release, Oracle version 8.0.4.0.0 is supported for all platforms, with the following exceptions:

- IBM — Oracle 8.0.4.1.0
- SGI — Oracle 8.0.5.0.0

DMENU Support

DMENU support is available for Solaris and HP only.

Using IGES and STEP

IBM AIX 4.3.2

If you are running IGES or STEP on AIX 4.3.2, you must define the library path before issuing the IGES/STEP command. Define the library path as follows:

```
setenv LIBPATH /usr/apl/cvuts/slib
```

Windows NT

If you are using IGES or STEP on Windows NT, update your `PATH` variable to include the path to the translator `slib` directory. If you have installed IGES and STEP on the drive `c`, include `c:\usr\apl\cvuts\slib` in the path variable.

This chapter provides tips for working efficiently in this release of CADD5, in the following areas:

- General CADD5
- Graphics
- Parametric
- Databases
- Assembly
- Translator Products
- CADD5 on Windows NT
- Design View
- EPD Enabled CADD5 5i
- ATB Enabled CADD5 5i

General CADD5

Speeding up the LDM Listing

The LDM listing is fast if the `CADD5_LDM_FASTSEARCH` variable is undefined or set to `yes`. If the `CADD5_LDM_FASTSEARCH` variable is undefined or set to `yes`, the LDM stops fetching the raw list of directories as soon as the `CADD5ASSEMBLYLISTLIMIT` or the `CV_DB_PARTLISTLIMIT` is reached. The LDM then sorts and reduces the list to `CADD5ASSEMBLYLISTLIMIT` or `CV_DB_PARTLISTLIMIT`.

The LDM listing is slow if the `CADD5_LDM_FASTSEARCH` variable is set to `no`. If the `CADD5_LDM_FASTSEARCH` variable is set to `no`, LDM exhaustively fetches the entire list of directories and then sorts and reduces the list to `CADD5ASSEMBLYLISTLIMIT` or `CV_DB_PARTLISTLIMIT`.

EVALUATE SURFACE AREA

The `EVALUATE SURFACE AREA` command returns the correct value for surfaces created using third-party products and imported into CADD5 using IGES.

PLOT DOT

When plotting a drawing using `PLOT DOT` command, if you get an error stating that the disk is full, though the disk has plenty of free space, link the `/usr/plotspool/raster` directory to a drive that has less than 1 GB of space.

Graphics

Radial Grids

Radial grids work correctly only in the nonaccelerated mode, with `CV_PLATFORM` variable set to `x11`.

Sectioning

Do not perform HLR on a section view. This may result in a corrupt part.

Parametric

REPLACE SKETCH

REPLACE SKETCH allows you to replace an applied sketch also with a library sketch.

3-D Sketcher

Before entering 3-D Sketcher, cancel the Shading Quality Slider menu if you have already opened it.

If you do not cancel the Shading Quality Slider menu, you may encounter the following:

- The sketch geometry disappears when you move the slider
- The sketch geometry disappears when you iconize and deiconize CADD5

Interactive Shading In ISD

After invoking the Interactive Display menu in ISD, change the Quality slider bar at least once before you continue to work in ISD.

Associating a Variable Name with a Parameter

You can now use the UVAR modifier to assign a variable name to a parameter while creating or modifying geometry from the command line. You can use this option only at the command line.

For example, in the following command, the modifier UVAR automatically associates the constraint variable `len` with the `xlength` value and `wid` with the `ylength` value of the box.

```
Insert Box Solid Xlength 3 uvar [len] Ylength 5 uvar  
[wid] Zlength 3
```

Databases

Explicit Database

Temporary View File (TVF) dates are not updated unless you issue the `CHANGE EXTENTS LEAST` command. The `REGENERATE GRAPHICS` command does not work unless you first issue the `CHANGE EXTENTS LEAST` command.

Assembly

Identifying the Constraint Status of an Explicit Entity

You cannot highlight Explicit entities using the List and Delete Constraint options. Instead, use the `CHANGE ENTITY` command, activate the part to convert it to a Parametric model, file the part, and redefine the constraints.

Translator Products

Installation Directory for STEP and IGES Translators

If you are installing IGES, STEP, or VDAFS, the default installation directory is `/usr/apl/cvuts`.

Translator CAMU IGES

You can schedule translations to run at a specified date and time using the Cron menu. This menu is available by selecting the Add option on the CAMU PUTIGES user interface. For more details regarding the cron tool, refer to the help available through the Help option on the CAMU PUTIGES user interface.

CADDS on Windows NT

Functionality Supported on Windows NT

This release of CADDS provides the following capabilities on Windows NT:

- Parametric Modeling
- Design and Drafting, Solids Detailing, Hidden Line Removal, Sectioning
- CGM Plot Filters
- Explicit Core Wireframe, NURBS, Solids, CAMU
- Nodal Geometry, Nodal Figures
- View Part
- Physical Properties
- CVNC-M3, NCTURN, NCAXIS
- Integrated 3D Sketcher
- CVMAC
- IGES
- STEP
- Features

- Customizer
- cadds2vrml
- Piping Isometrics
- ASM

Warning

The results of using products and commands not in the preceding list are unpredictable. Do not report problems that are the result of using products not currently supported.

Creating the <printer>.config File

For CADD5 5 to list a plotter device in the Plotter menu runtime list, the file `\var\spool\cvconfigdir\<printer>.config` must exist.

To create the `\<printer>.config` file:

- 1.** Create the following directory on the drive where you installed CADD5.
For example,
`c:\usr\spool\cvconfigdir`.
- 2.** In this directory, create the file `<printer>.config`. For example, for the default CADD5 printer name CGMP, the file you create would be `c:\usr\spool\cvconfigdir\CGMP.config`. The file may contain configuration information that relates to a specific plotter device. However, a `<printer>.config` file must exist for each plotter. Otherwise, the PLOT DRAWING command fails.

Windows NT Display Settings

Reduce the screen resolution on certain accelerated graphics cards (boards), if there are system crashes or OpenGL does not work. Confirm the maximum resolution to support 3D rendering in true color with the vendor and use this resolution.

Design View

DesignView sketcher will be retired starting with CADD5 5i Release 12. Selected DesignView functionality will be included in 3-D Sketcher in CADD5. Some additional tools to create geometry and edit will be available. Only frequently used functionality will be migrated to 3-D Sketcher. Existing models built using DesignView sketches may not regenerate correctly in CADD5 5i Release 12 or later releases.

EPD Enabled CADD5 5i

Using EPD Enabled CADD5 5i with Optegra Revision 3.x and 4.0

When you start Optegra Revision 3.0 or later, you can run only a single session of EPD Enabled CADD5 5i from the EDP.Connect Information Browser. You can open numerous parts and assemblies in a single session of EPD Enabled CADD5 5i. However, starting a second session from the EDP.Connect Information Browser of Optegra Revision 3.0 or 4.0 produces a communications error in the CADD5 client Java process. This is applicable only if you are working on builds earlier than CADD5 5i Release 10 build 37.81 or Release 11 build 05.11.

ATB Enabled CADD5 5i

CVPATH

If your create directory is `$HOME/parts`, but you would like to import a Pro/ENGINEER assembly into another directory by modifying the target path, perform subsequent Verify CADD5 5 TIM and Update CADD5 5 TIM operations on this assembly, and further view it in CADD5, do the following after the import is complete:

- Insert this new directory as the first path in your `CVPATH`
Select File Management on the LDM screen. Choose Include Directory or use the `CADD5 ADD DIRECTORY` command.
- Make this directory your create directory
Select this directory as Active Directory from the LDM screen or use the `CADD5 SELECT DIRECTORY` command.

Assembly

Note the following points when converting a CADD5 assembly with CADD5 TIM parts to a Pro/ENGINEER assembly:

- If you export a CADD5 heterogeneous assembly to Pro/ENGINEER, and this assembly has one or more CADD5 TIM components, then the CADD5 TIM components are converted to Pro/ENGINEER as if they were original CADD5 parts. The names of the converted components are different from the original names.
- Update of the Pro/ENGINEER TIM assembly may fail if the changes in the original CADD5 assembly were only done to the parts and not to the assembly itself. In order to avoid this problem, temporarily add and remove a dummy component from the CADD5 assembly before filing it.

Disk Space

The system administrator must delete the `trail.txt.*` files from the `<engineer_install_dir>/data` area on the server whenever this area is full.

Considerations

This chapter provides considerations for this release of CADD5, in the following areas:

- Parametric
- CADD5 on Windows NT
- EPD.Connect
- ATB Enabled CADD5 5i

Parametric

ISD-Divide Curve

The `DIVIDE` command gives unexpected results or corrupts the session if you modify the geometry of an operand curve using either a pton lying on the curve or by dragging the curve.

REUSE HISTORY

Note the following considerations when using `REUSE HISTORY`:

- `REUSE HISTORY` does not copy SMD commands.
- The LDM server must be up if you use `REUSE HISTORY` to copy Insert Feature commands.

Warning

Do not use `REUSE HISTORY` on commands in Router and AEC applications. You may encounter regeneration failures.

3-D Sketcher

You cannot perform sketching on models in shading or HLR mode.

Updated License File

CADD5 5i Release 11 requires an updated license file. See *Using the License Manager* for more information.

The features section in the license file appears as:

```
FEATURE xxxx epd 11.000 ....
```

CADD5 on Windows NT

PLOT DOT (NT)

The first time you use PLOT DOT, the Windows printer driver dialog box appears behind the CADD5 desktop and CADD5 appears to hang. To continue, bring the printer driver dialog box forward by selecting that task from the toolbar.

CVMAC (NT)

If you are running CVMAC on Windows NT, use the perl scripts in the `\usr\apl\cadd5\scripts` directory. To execute, change the directory to the drive where CADD5 is installed and use one of the following commands:

```
\perl5\bin\perl \usr\apl\cadd5\scripts\cvmlink.pl  
filename  
\perl5\bin\perl \usr\apl\cadd5\scripts\cvmcomp.pl  
filename  
\perl5\bin\perl \usr\apl\cadd5\scripts\runcvm.pl  
filename
```

Removing CADD5 (NT)

Removing CADD5 does not remove the NutCRACKER Kernel Service from the Control Panel.

CAM JCF (NT)

Using the IN command with `cam jcf` causes a system failure.

PUTIGES (NT)

When using the PUTIGES command on Windows NT, you must use the OVERWRITE modifier when the file does not exist, or the file does not get created.

Custom Fonts (NT)

Custom fonts (28-31) do not work.

Kanji (NT)

CADD5 on Windows NT does not support Kanji.

Exclude/Select Directory (NT)

The menu option, Exclude/Select Directory does not display all the defined directories in the run time list (RTL).

Miscellaneous Windows NT Considerations

- CGM files are not removed after plotting if the permissions have been set to read-only. Change permissions from read-only to read, write, and execute (rwe).
- To set metric font definitions (fontdefs), set the variable `CVPATH` in the command shell before you issue the `FONTDEFS` command:

```
set CVPATH=/usr/apl/cadds/bin:/usr/apl/cadds/data
```

- On Windows NT, disregard the following message that appears when you exit CADD5.

```
Shared Memory Writer Mutex (0) access failure for  
pid() Error ( )
```

EPD.Connect

You can open an assembly having constraints through EPD.Connect, but all the constraint information is lost if you save the assembly as a CAMU assembly.

ATB Enabled CADD5 5i

Note the following considerations when working in ATB Enabled CADD5 5i:

- The context sensitive menu in the CAMU tree window does not list the following ATB options if the assembly is a reference assembly:
 - Export TIM
 - Verify TIM
 - Update TIM

Please note: These options are listed in the context sensitive menu if the assembly is a copy assembly.

- Importing a Pro/ENGINEER assembly for an assembly that has already been imported from the LDM mode, reports that the results file is corrupted.
- An assembly converted from Pro/ENGINEER, if opened in the Parametric environment, does not display the associated Cplane for a default ADRAWING. Activate a new ADRAWING to display the Cplane.
- Performing an Update TIM on an assembly that has "Resume" Pro/ENGINEER parts, that is, suppressed Pro/ENGINEER components that are later resumed in a Pro/ENGINEER assembly, gives an e/ENGINEER General Error (-1).

