CATIA Solutions and CATIA Web-Based Learning Solutions Version 5 Release 19 Modification Level 0

CATIA V5.19 enhances 65 products to:

- Consolidate end-to-end industry process coverage for composite design to manufacturing, electrical design and flattening
- Accelerate long lasting productivity tools for the design of plastic parts and tooling design review process
- Expand the power of 3D to terrain modeling disciplines that require large scale modeling capabilities
- Improve the richness of 3DXML for better downstream utilization
- Become fully compatible with Windows Vista

Hardware Requirements

Summary of Changes for V5.19

This release updates related operating system requirements.

Common Hardware Requirements

The following requirements are common to all operating systems supported by this release. Platform-specific requirements are specified in subsequent topics below.

- Required components and features
    - Disk drive: An internal or external disk drive (minimum recommended size is 4 GB) is required to store program executables, program data, the user environment, and to supply paging space. Installation of all CATIA V5 products requires 2.0 GB on Microsoft® Windows®, 2.4 GB on AIX®, 2.7 GB on HP-UX, and 2.3 GB on Solaris.
    - Memory: 256 MB of RAM is the minimum recommended for all applications. 512 MB of RAM is recommended for DMU applications on large assemblies and for the Digitized Shape Editor 2 (DSE) product. Requirements may be greater when large amounts of data are used.
    - Internal/external drives: A CD-ROM drive is required for program installation and for access to the online documentation, which can optionally be downloaded to disk.
    - Display: A graphics color display compatible with the selected platform-specific graphics adapter. The minimum recommended size for usability

reasons is 17 inches. Minimum resolution for Windows workstations is 1024 x 768 and 1280 x 1024 for UNIX® workstations. When selecting a graphics adapter, hardware texturing capability is strongly recommended when using CATIA V5 products that use texture mapping, in which case the amount of texture RAM has to be adequate for the number and complexity of textures to be used.
    - Keyboard: A specific keyboard compatible with the selected installation locale may be required for national language support.
    - Pointing device: Three-button mouse. On Windows workstations, a two-button mouse may alternatively be used (the third button is emulated with a keyboard sequence). The three-button mouse is recommended for usability reasons. IntelliMouse (two buttons plus a wheel instead of the third button) is an alternative to the three-button mouse on Windows workstations. The wheel acts as the middle button to allow additional manipulations, such as panning and scrolling.
- Optional components and features: For CATIA P2 and P3, SpaceBall or SpaceMouse, in addition to the standard mouse, can be used to perform graphic manipulations (zoom, pan, rotate). The required drivers are delivered with these devices. Support of these devices is also available with the DMU Navigator 1 and DMU Space Analysis 1 P1 products.

The robustness of the overall solution is dependent on the robustness of the operating system and the hardware environment used. Windows XP® and UNIX hardware configurations certified by Dassault Systemes for running CATIA V5 products are published at

http://www.3ds.com/support

Although CATIA V5 products might run on configurations or with graphic adapters other than those specified for each of the platforms below, incidents specific to such configurations or adapters will not be accepted for support.

Hardware Requirements for Microsoft Windows XP

- System unit: An Intel® Pentium® 4 or Xeon® based workstation running Microsoft Windows XP Professional Edition SP2.
- Graphics adapter: A graphics adapter with a 3D OpenGL accelerator is required.

    Note: Graphics performance on local transformations (panning, zooming, rotating model) will depend on the selected graphics adapter. The graphics adapter should have the following capabilities:

    - 24-bits, true color, double buffered visual

- o 24-bits, Z-buffer
- o Stencil buffer
- o Minimum supported resolution: 1024 x 768; a resolution of 1280 x 1024 is recommended for usability reasons
- Network adapter: An active LAN adapter (Ethernet or Token Ring, installed and configured) is required for license key purposes.

Hardware Requirements for Windows x86-64 64-bit

- System unit: An Intel Xeon EM64T or AMD Opteron 64-bit based workstation running Microsoft Windows XP Professional x64 Edition.
- Memory: 4 GB is the recommended minimum.
- Disk drive: 2.5 GB is the recommended minimum.
- Graphics adapter: A graphics adapter with a 3D OpenGL accelerator is required.

  Note: Graphics performance on local transformations (panning, zooming, rotating model) will depend on the selected graphics adapter. The graphics adapter should have the following capabilities:

  - o 24-bits, true color, double buffered visual
  - o 24-bits, Z-buffer
  - o Stencil buffer
  - o Minimum supported resolution: 1024 x 768; a resolution of 1280 x 1024 is recommended for usability reasons
- Network adapter: An active LAN adapter (Ethernet or Token Ring, installed and configured) is required for license key purposes.

Hardware Requirements for IBM AIX

- System unit:
  - o Any RS/6000®,, based on the Power4, Power5, Power PC-970 processor families, supported on AIX V5.3
- Graphics adapter: One of the following graphics adapters is required.
  - o GXT500P
  - o GXT550P
  - o GXT800P
  - o GXT800M
  - o GXT2000P
  - o GXT3000P
  - o GXT4000P
  - o GXT4500P
  - o GXT6000P
  - o GXT6500P

Hardware Requirements for HP-UX

- System unit: Any B-Class, C-Class, or J-Class workstation based on the PA8000, PA8800, and PA8900 processor family and supported on HP-UX 11iv1.
- Graphics adapter: One of the following graphics adapters is required:
  - o Visualize-FXE
  - o Visualize-FX2
  - o Visualize-FX4
  - o Visualize-FX5
  - o Visualize-FX6
  - o Visualize-FX10
  - o Fire GL-UX
  - o Fire GL T2-128

- o Fire GL X1
- o Fire GL X3

Hardware Requirements for Sun™ Solaris

- System unit: Any Ultra1, Ultra2, Ultra10, Ultra30, Ultra60, Sun Blade 100, Sun Blade 150, Sun Blade 1000, Sun Blade 1500, Sun Blade 1500+ (1.5 GHz), Sun Blade 2000, or SunBlade 2500 workstation based on the UltraSPARC processor supported on Solaris 10.
- Graphics adapter: One of the following graphics adapters is required.
  - o Creator3D
  - o Creator3D Series III
  - o Elite 3D (U10-440MHz only for U10 workstations)
  - o Elite 3D Lite
  - o Expert 3D
  - o XVR-500
  - o XVR-600
  - o XVR-1000
  - o XVR-1200

Hardware Requirements for WLS

There are no specific requirements beyond those for CATIA V5.

Programming Requirements

Summary of Changes for V5.19

- 32-bit requires Orbix 3.3 for all platforms.
- Minimum run-time support for IBM AIX running on Power4 or Power5 processors for both 32- and 64-bit is provided by AIX 5.3 ML03.
- Minimum run-time support for HP-UX Run-time is HP-UX 11i December, 2004 (on 32-bit only).
- Minimum run-time support on Sun Solaris SPARC is Solaris 10 SPARC. The minimum level required is Solaris 10 HW 03/05 with 119280-06 CDE 1.6 - Runtime library patch for Solaris 10.
- For interoperability with CATIA V4 CDM and ENOVIA VPLM ENOVIAVPM on AIX, Windows, HP-UX, or Solaris:
  - o The required level of a DB2® UDB database server is Version 8.2.4.
  - o The required level of an Oracle database server is Oracle 10gR2.
  - o The required level of HP-UX 11i is -UX 11i.v1 (11.11) December, 2004
  - o The required level of Sun Solaris (SPARC) is Solaris 10 HW 03/05
  - o The required level of AIX is AIX V5.3 with ML03 applied as the minimum level
- The required level for document browsers in a UNIX environment is Mozilla 1.7 for AIX, HP-UX, and Solaris and FireFox 2.0 for SUN Solaris SPARC.
- The required level for document browsers in a Microsoft Windows environment is Microsoft Internet Explorer 7.0 or Mozilla 1.7.
- The required level for JRE is 1.5.0 for all operating systems.

Common Software Requirements

CATIA V5 runs on selected levels of:

- Microsoft Windows XP Professional SP2 and XP Professional x64
- Microsoft Windows Vista x86 and Vista x64
- IBM AIX
- Hewlett Packard HP-UX 11iv1
- Sun Solaris SPARC 10

Refer to the *Program Directory* or contact your IBM Support Center for appropriate corrective service to apply to the software described below.

V5.19 prerequisites Orbix 3.3 on 32-bit operating system.

Software Requirements for Microsoft Windows XP Professional Edition SP2

- Windows XP delivers an implementation of OpenGL libraries. These libraries may have to be modified to accommodate the selected graphics adapter when installing the graphics adapter and its associated drivers. For recommendations related to driver levels based on certified configurations, visit

  http://www.3ds.com/support

- A localized version of the operating system may be required when the selected installation locale differs from Latin 1.
- The following patches are required to run V5.19:
  - MS06-75 - Vulnerability in Windows could allow elevation of privilege

  http://www.microsoft.com/technet/security/bulletin/MS06-075.mspx

    - MSI Installer 3.1 - Windows Installer 3.1 v2 (3.1.4000.2435) available at

  http://support.microsoft.com/kb/893803

For CATIA V5 32-bit on Windows Vista x32 Enterprise Edition, with the Following Components:

- The following patches are required to run V5.19:
  - KB940069 - Fix for indexing services problem, refer to Microsoft Article KB940069

  http://support.microsoft.com/kb/940069

    - KB940105 - Required for virtual address space usage in Microsoft Windows, refer to Microsoft Article KB940105

  http://support.microsoft.com/kb/940105

For CATIA V5 64-bit on Windows XP Professional x64 Edition

- A Microsoft implementation of OpenGL libraries as delivered with Microsoft Windows XP Professional x64 Edition. These libraries may have to be modified to accommodate the selected graphics adapter when installing the graphics adapter and its associated drivers. For recommendations related to driver levels based on certified configurations, visit

http://www.3ds.com/support

- Installation of 32-bit V5 applications:
  - Although V5 products are 32-bit applications, they will be able to allocate up to 4GB of Memory when running on this operating system.

    Note: Memory consumption for a 64-bit process is completely different than for a 32-bit process. In this situation, it is not pertinent to compare the Virtual Bytes counter of Perfmon between a 32- and 64-bit process. Although the 4G limitation of global address space make this counter important when tracking a 32-bit process, virtual address space for 64-bit process can go up to 8 TB.

For CATIA V5 32-bit on Windows XP Professional x64 Edition

- A Microsoft implementation of OpenGL libraries as delivered with Microsoft Windows XP Professional x64 Edition. These libraries may have to be modified to accommodate the selected graphics adapter when installing the graphics adapter and its associated drivers. For recommendations related to driver levels based on certified configurations, visit

  http://www.3ds.com/support

- The following patches are required to run V5.19:
  - KB903648 - When using macro and VBScript features, V5 may crash when accessing more than 2GB of address space, a Microsoft patch corrects this problem, refer to Microsoft Article KB903648

  http://support.microsoft.com/kb/903648

    - KB911021 - Required for applications allowing more than 2GB of address space, please contact your Microsoft Support Representative.

For CATIA V5 on Windows Vista x64 Enterprise Edition, with the following components:

- The following patches are required to run V5.19:
  - KB940069 - Fix for indexing services problem, refer to Microsoft Article KB940069

  http://support.microsoft.com/kb/940069

    - KB940105 - Required for virtual address space usage in Microsoft Windows, refer to Microsoft Article KB940105

  http://support.microsoft.com/kb/940105

Software Requirements for IBM AIX 32-bit and 64-bit Platforms

AIX 5.3 ML03 (using 64-bit kernel), with the following components:

- XL C/C++ Enterprise Edition Run-time Environment at a minimum level of V7.0.0
- XL Fortran Enterprise Edition for AIX Run-time, at a minimum level of V9.1.0
  - November 2004 XL Fortran for AIX V9.1 Runtime PTF, available at

  http://www.3ds.com/support

o OpenGL 1.3, as delivered on AIX CDs

Or

AIX 5.3 TL04-SP01 (using 64-bit kernel) with following components, which are required to support WebSphere® Application Server 6.1, WebSphere Portal Server, or IBM Intellistation P185:

- XL C/C++ Enterprise Edition Run-time Environment, at a minimum level of V8.0.0
  o January 2006 IBM C++ Runtime Environment Component for AIX, available at

  http://www.ibm.com/support/docview.wss?rs=0&uid=swg24011532

- XL Fortran Enterprise Edition for AIX Run-time, at a minimum level of V10.1.0 available at

  http://www.ibm.com/support/docview.wss?rs=0&uid=swg24010669

- OpenGL 1.3, as delivered on AIX CDs
- Firmware version AT061_061 or later for support of nodelocked licensing only

Software Requirements for HP-UX

HP-UX Version HP-UX 11iv1 (11.11) (December, 2004), with the following components at the minimum levels indicated:

- HP-UX Technical Computing OE (TCOE) Component December 2004
- Hardware Enablement Patches for HP-UX 11iv1, December 2004
- Gold Application Patches for HP-UX 11iv1, December 2004
- Gold Base Patches for HP-UX 11iv1, December 2004

HP-UX Version HP-UX 11iv1 (11.11) (June, 2007), with the following components at the minimum levels indicated:

- HP-UX Technical Computing OE (TCOE) Component December 2006
- Hardware Enablement Patches for HP-UX 11iv1, December 2006
- Gold Application Patches for HP-UX 11iv1, June 2007
- Gold Base Patches for HP-UX 11iv1, June 2007

Note: Important notice on HP-UX support - V5.19 will be the last release to support HP-UX

Software Requirements for Sun Solaris

Sun Solaris 10 H/W 03/05, with 119280-06 CDE 1.6 - Runtime patch for Solaris 10.

Requirements for Interoperability with ENOVIA VPLM Products

- CATIA V5 and ENOVIA VPLM V5 must be at the same release, service pack, and hot fix level for proper interoperability.
- CATIA V5 and ENOVIA VPLM interoperability is supported between various CATIA V5 release and ENOVIA VPLM PTF levels. Refer to the most recent ENOVIA VPLM PTF

program directory for the current prerequisite and recommended interoperability PTFs.

Product-Specific Software Requirements for CATIA P2

- CATIA - V4 Integration 2 (V4I) requires, on the CATIA V5 client, for interoperability with CATIA V4 CDM and ENOVIA VPLM ENOVIAVPM:
  o If the database server is DB2, then on AIX, Microsoft Windows, HP-UX, or Solaris use DB2 UDB V8.2.4.
  o If the database server is Oracle, then on AIX, Microsoft Windows, HP-UX or Solaris, use Oracle 10gR2.

  Note: Contact your IBM or Oracle representative for support and planning information on DB2 UDB or Oracle.

  Notes:

  CATIA V4 CDM and ENOVIA VPLM ENOVIA VPM interoperability is available through CATIA - V4 Integration 2 (V4I) for the following products

  o CATIA - Assembly Design 2 (ASD)
  o CATIA - DMU Kinematics Simulator 2 (KIN)
- Interoperability of CATIA V5 on the supported Microsoft Windows platforms with ENOVIA VPLM ENOVIAVPM through ENOVIA 3d com requires, on the client side, either (depending whether the database server is a DB2 or an Oracle server):
  o DB2 Universal Database V8.2.4 Client for Windows
  o Oracle Client Version 10gR2 for Windows
- Math Kernel Libraries - When on an Intel® architecture in a Windows environment, the performance of the following products can be improved through the use of Intel Math Kernel Libraries at level 6.0:
  o CATIA - Generative Part Structural Analysis 1 (GP1)
  o CATIA - Generative Part Structural Analysis 2 (GPS)
  o CATIA - Generative Assembly Structural Analysis 2 (GAS)
  o CATIA - ELFINI Structural Analysis 2 (EST)
  o CATIA - Tolerance Analysis of Deformable Assembly 3 (TAA)
  o CATIA - Product Engineering Optimizer 2 (PEO)
  o CATIA - Generative Dynamic Response Analysis 2 (GDY)

  MKL Libraries at level 6.0 can be obtained from

  http://developer.intel.com/software/products/mkl/

  In a Windows XP x64 environment, MKL 8.0 or higher is recommended.

  This requirement is optional. Refer to the Before you Begin section in the *Generative Structural Analysis User's Guide* for additional information.

Specific Software Requirements for CATIA WLS V5

Access to the companion desktop - Companion desktop access is accomplished using the same browser requirements as CATIA V5 (see **Access to product information**). The Java™ plug-in (JRE at a minimum level of 1.5) is required to visualize the different types of simulations (Show Me, Discover It, Try It, and the Quiz) and to allow for automatic model loading from CATIA.

The supported level of JRE 1.5 can be downloaded from

http://java.sun.com/products/archive/index.html

Additionally:

- Some WLS products may provide learning resources using the Portable Document Format (PDF). To view these documents, Adobe Acrobat Reader, at minimum level 5.0, must be installed as a plug-in on the browser. The latest level of the Reader can be downloaded from

  http://www.adobe.com/

  Although access to WLS might work on other HTML browsers, incidents specific to browsers other than the products mentioned above are not eligible for support.

- An installation of CATIA V5.19, though not a strict requirement, is recommended to practice the provided exercises automatically loaded by the User Companion Desktop in the active CATIA session.
- For the CATIA User Companion for V4 Mechanical Design product, an installation of CATIA V4 at level R2.1 or above is recommended to practice the provided exercises automatically loaded by the User Companion Desktop in the active CATIA session. For software requirements, visit

  http://www.3ds.com/support

WLS License Management - Licenses can be managed either using standard CATIA V5 licensing or by using the J2EE Companion Server. For standard licensing, see **Prerequisites for the license management environment**. Requirements for the J2EE Companion Server are:

- Application server setup - The application server used must support Servlet 2.4 and JSP 2.0 and must be able to handle the Companion Server WAR or EAR files. These files are copied during installation if the application server option was selected during the installation procedure. The server setup operation depends on the application server used and must be done by the system administrator.
- Companion application setup for license serving - The application server machine must be able to access WLS licenses, and licenses must be available to this server machine. For the Enterprise Option, the total number of licenses must be equal to the maximum number of students that will be connected at the same time to the application server.

Companion Development Studio - The Companion Development Studio is designed to communicate with other applications. The Companion Development Studio Product (5691-CDS) requires:

- Microsoft Windows XP Professional Edition SP2
- JRE at a minimum level of 1.5. The supported version of JRE 1.5 can be downloaded from

  http://java.sun.com/products/archive/index.html

The following are not requirements, but are recommended to take full advantage of the product.

- Access to one of the following browsers is mandatory for the preview of screens:
  - Microsoft Internet Explorer 6.0 (Microsoft VM version number 3158, at a minimum)
  - Mozilla 1.7 for AIX, HP-UX, and Solaris

Note: Access to the screens developed with the Companion Development Studio might be accessible directly through the Companion Desktop. The Companion Desktop has been a license key managed product available with any WLS entry configuration since V5.9. Installation of any WLS standard configuration will provide the Companion Desktop license key and will allow access to customer-developed screens and skillets.

- Access to Microsoft PowerPoint and Microsoft Word (version Office 2000) through OLE automation.

Note: Although different versions of Microsoft PowerPoint and Microsoft Word may work, incidents specific to other than the versions specified above are not eligible for support.

Access to Product Information

Product information is delivered with the product CDs in HTML format. An HTML browser is required to access this documentation. Online documentation may be installed and used only in the same supported operating environments as CATIA V5.

- In a UNIX environment

  For AIX, HP-UX, or Solaris - Mozilla 1.7
  FireFox for SUN Solaris SPARC

- In a Microsoft Windows environment, one of the following browsers is required:

  Microsoft Internet Explorer at a minimum level of 7.0
  Mozilla 1.7 with the Java plug-in installed

In addition to a Java-enabled Web browser, the Java Plug-in at level 1.5 to search online documentation:

- For AIX, Java Runtime Environment version Java 1.5.0 SR3 can be downloaded from

  http://www.ibm.com/developerworks/java/jdk/aix/service.html

- For HP-UX, Java Runtime Environment 5.0.0.1 can be downloaded from

  http://www.hp.com/go/java

- For Sun Solaris, Java Runtime Environment version 5 update 7 can be downloaded from

  http://java.sun.com/products/archive/index.html

- For Microsoft Windows, Java plug-in version 5 update 7 can be downloaded from

  http://java.sun.com/products/archive/index.html

Although access to the online documentation might work on other HTML browsers, incidents specific to browsers other than those specified are not eligible for support.

Note: Improvements in HTML searching and printing capabilities eliminate the need to duplicate product information in the Portable Document Format (PDF) format. PDF CDs are therefore no longer included in the CATIA V5 softcopy collection kit.

Prerequisites for the License Management Environment

Microsoft Windows workstations must have an active LAN card (Ethernet or token ring) and TCP/IP installed and properly configured, even in the case of nodelock keys, though for nodelock there is no need to have the workstations connected to the network. No additional license management software is required when accessing nodelock license keys.

Dassault Systemes License Use Management (LUM) is required to serve concurrent license keys across a network. A LUM configuration file (i4ls.ini) is required on CATIA V5 clients to access concurrent license keys from these servers. Server and Nodelock license management mechanisms are available for CATIA V5 P1, P2, and P3 on all supported operating environments.

The minimum Dassault Systemes LUM level is V4.6.8.3.

The latest release of Dassault Systemes LUM, together with any applicable patches, can be downloaded at no charge from

http://www.3ds.com/support/resource-library

For details about LUM license management for CATIA V5, refer to **the license management model** section in the CATIA V5.19 announcement.

Macro Replay Capabilities

CATIA V5 has built-in macro record and replay capabilities. For UNIX, the interpreter is VB Script 3.0 from Mainsoft. Its components are included in CATIA V5 as shared libraries.

For Windows, the interpreter is either:

- VB Script at a minimum level of V5.0. It is delivered with Microsoft Internet Explorer. VB Script libraries at level 5.0.0.3715 are delivered with Microsoft Internet Explorer 5.0 or at later levels with later versions of Internet Explorer. Use of VB Script is recommended for developing Microsoft Windows- and UNIX-compatible macros.
- Microsoft VisualBasic for Applications (VBA) at a minimum level of 6.0. VBA is delivered and installed by default with CATIA V5.

Printer and Plotter Support

- UNIX - CATIA V5 supports the following plotter/printer languages:
  - CGM-ISO, ATA, CALS
  - Hewlett Packard HP-GL/2-RTL and HP-GL or IBM-GL subsets
  - OCE Graphics GPR50: VDF plotting routines
  - PostScript
- Windows - Printers and plotters are supported through the vendor's drivers for the targeted printer or plotter relative to the targeted version of the operating system. Contact the printer or plotter vendor for requirements and support.

CATIA V5 General Packaging Principles

- A CATIA P1 product or a CATIA P1 configuration requires or must include (in the case of configurations) CATIA - Object Manager 1 (CO1). P1 products can be used on P2 or P3, and in such cases, they operate with CATIA - Object Manager 2 (COM) or CATIA - Object Manager 3 (CO3), respectively.

- A CATIA P2 product or a CATIA P2 configuration requires, or must include (in the case of configurations), CATIA - Object Manager 2 (COM). P2 products can be used on P3, and in such cases, they operate with CATIA - Object Manager 3 (CO3).
- CATIA - COM 1 to 2 Extension (5693-C12) allows all P2 products to be added on to P1 configurations. The C12 product effectively upgrades the P1 infrastructure (CO1) to the P2 infrastructure (COM). The C12 product does not change the underlying P1 configuration; included products remain P1. The C12 product can be used as a shareable (5691-C12) or add-on (5693-C12) product.
- A CATIA P3 product or a CATIA P3 configuration requires or must include (in the case of configurations) CATIA - Object Manager 3 (CO3). P1, P2, and P3 shareable and add-on products are available to P3 configurations as shareable or add-on products.
- License keys for CATIA configurations are acquired and released for the total configuration.
- The functions within a configuration cannot be shared.
- A configuration is required for each CATIA V5 seat.
- CATIA V5 add-on (AOP) and sharable products may require prerequisite products that are not included in a standard purchased configuration. When a prerequisite product is not included in the selected standard configuration, both the AOP and its prerequisite products must be purchased and included as AOPs within a custom configuration. Prerequisites for shareable products can be satisfied by a standard configuration, by an AOP within a custom configuration, or by a shareable product.
- CATIA - V4 Integration 2 (V4I) is included in all P2 and P3 configurations, and CATIA - V4 Integration 1 (V41) is included in all P1 configurations.

Licensed Program Materials Availability

- Restricted materials - No. This licensed program is available without source licensed program materials. It is available in object code only.

Supplemental Terms

Type/Duration of Program Services (also referred to as "Support Services")

You will find all necessary information including processes, on Dassault Systemes web site :

http://www.3ds.com/terms/support-policies

The License Management Model

CATIA V5 License Management Model

CATIA controls the number of concurrent users of a CATIA configuration or product, according to the number of license keys acquired for the configuration or product.

CATIA V5 delivers identical license management mechanisms on UNIX and Windows environments, based on Dassault Systemes

License Use Management (LUM). The following license management principles apply:

- A CATIA V5 configuration (standard or custom) will require a license key. License keys for CATIA V5 configurations are acquired and released for the total configuration. The products within a configuration cannot be shared.
- Each CATIA V5 shareable product will require a license key, in addition to one for the prerequisite configuration and any prerequisite product, if applicable.
- In all cases, CATIA configuration license keys are acquired at the beginning of the process and are released at its termination.
- CATIA V5 add-on (AOP) and shareable products may require license keys for prerequisite products that are not already included in a standard configuration. Prerequisites for shareable products can be satisfied by a standard configuration, by an AOP within a custom configuration, or by a shareable product. However, because all add-on products are defined within one custom license key, any AOP prerequisites must be satisfied by either a standard configuration or by other AOPs purchased and defined within the same custom configuration.

CATIA V5 can be used in three license management modes: nodelock, with concurrent usage of license keys on a network, or concurrent offline license management.

Nodelock Usage: The use of a local display is mandatory for CATIA V5 usage in nodelock mode. There is no limit to the number of CATIA V5 processes launched for a given license key (configuration or product). For instance, a user can launch the following simultaneous processes:

- A V5 interactive session
- A V5 process executed through an OLE container application
- Replay of macros recorded from captured sequences of V5 user interactions

In the nodelock mode of operation, only one CATIA license key per configuration and shareable product can be registered per machine, and only one CATIA user can run at a time on that machine. If multiple license keys per configuration or shareable product, or multiple users on a single machine, are required, refer to the **Concurrent usage** section.

Concurrent Usage: A user on one machine on one display uses one license key per configuration or shareable product used, regardless of the number of processes. If the display changes, then an additional license key is taken for the corresponding process.

Dynamic license management: CATIA shareable product license keys can be acquired and released during the session. (The ability to acquire and release licenses is not available for configurations.) Shareable license keys acquired at the beginning of the session cannot be released before the end of the session; only license keys dynamically granted upon user request during the session can be released during the session.

Concurrent offline license management: A concurrent license key control technique is available via the LUM server.

Note: Concurrent offline license management is not available on 64-bit platforms.

It gives CATIA, ENOVIA DMU, DELMIA, and RADE applications running on a Windows laptop the ability to disconnect from the license key server for a specific period of time. During the checkout period, the server license key is unavailable for use by another concurrent user. This feature is designed to add additional flexibility to a user's work environment. It is offered to accommodate short-term travel needs and collaboration while away from a fixed office environment or server connection.

Note to Users of the Following ENOVIA SmarTeam-Branded CATIA Integration Products:

- SmarTeam - CATIA Team PDM Configuration (TDM)
- SmarTeam - CATIA Integration Product (CAI)
- SmarTeam - CATIA Web Team PDM Configuration (TDW)

These ENOVIA SmarTeam products do not support dynamic or concurrent offline license management. Licenses for these products are acquired dynamically when the function is invoked from CATIA and may not be released until the CATIA session is ended.

Educational Allowance Available

The standard educational allowance does not apply to CATIA V5 and CATIA WLS V5 products. However, these products are available in several configurations under the Dassault Systemes Academic Program.

Designated Machine Identification

No

Test Period

No

Use-Based Charges/Usage Restrictions

Charges for this program are based on the number of users logged on at any time. The total number of users logged on may not exceed the number for which you have been authorized. If the total number exceeds your authorization, you must notify Dassault Systemes and obtain additional authorizations.

Softcopy Publications

The program that Dassault Systemes licenses may include licensed publications in displayable or source form. Except as provided in this section, the terms and conditions of the license agreement with Dassault Systemes apply to these publications and to any copies that are made from them.

The licensed publications may be used in displayable or source form on all machines designated for this program. The licensed publications may also be copied and used on other machines in support of authorized use of this program.

To support authorized use of the Program, printed copies of the displayable or source material may be made if the copyright notice and any other legend of ownership is reproduced on each copy or partial copy. [1]

Warranty

This program is warranted as specified in the Dassault Systemes license.

Licensed Program Specifications may be updated from time to time and such updates may constitute a change in specifications.

Following the discontinuance of all program services, this program will be provided "As Is" as specified in the Dassault Systemes license.

A portion of STEP Core Interface (ST1) contains code that makes use of public domain non-Dassault Systemes products and is provided on an as-is basis.

Footnotes:
[1]

Trademarks

Company, products and services names may be trademarks or services marks of related companies.

March 2010