



---

## Licensed Program Specifications

---

### **Dassault Systèmes Highway for CATIA and CADD5 (CCWAY V2.20) for CATIA V5R20**

Dassault Systèmes Highway for CATIA and CADD5 (CCWAY V2.20) offers a bi-directional interfacing environment between Dassault Systèmes CATIA V5 and CADD5. The primary characteristic of CCWAY is direct access to CADD5 parts or Product Structure assemblies without using intermediate files like IGES, VDA, Set or STEP. Processing time is faster by reducing the number of steps in the translation process and by eliminating the intermediate files and temporary disk space. A CADD5 4X or 5 double precision part can be created from a CATIA 3D CATPart and read by CADD5, or, in the other direction, a CADD54X/5 part can be translated into a CATIA V5 CATPart. In the CADD5 to CATIA direction, all explicit and parametric 3D geometric and topological entities, including solids, are managed.

CCWAY can be configured to translate CADD5 library figures to CATParts when translating Nodal figure, Subfigure, and Subassembly instances in a CADD5 part. In this case, CCWAY will translate the CADD5 part to a CATPart and place the CATPart(s) created from the CADD5 figures in a new CATProduct document.

CCWAY translates CADD5 non-graphic properties into Knowledgeware features using the CADD5 prop file for decoding any properties defined by the customer. A CAA interface is provided to allow customers access to the CADD5 non-graphic properties during a translation. A sample implementation of the interface provided as source code with CCWAY creates CATIA Knowledgeware features from the non-graphic properties.

CCWAY translates CADD5 Product Structure assemblies directly into CATIA V5 CATProduct files. If a CADD5 part file does not exist for a node, but a CADD5 Graphic ASCII File (GAF) or Graphic Binary File (GBF) does, then CCWAY can translate GAF/GBF file into a CATIA Graphical Representation (CGR) file. In the other direction, CCWAY translates CATProduct files into CADD5 Product Structure assembly files. CCWAY will also translate any part files and subassemblies referenced by the base assembly, if required. For increased performance a single CATIA session is used for translating any parts and subassemblies.

CCWAY provides a batch utility for translating CADD5 GAF and GBF files into CATIA CGR files. The translator can be configured to create a single CGR file from the CADD5 graphics file or create CGR files for each object in the graphics file.

CCWAY extends the CATIA V5 logical file naming convention provided by DLNames to CADDs files and CVPATHs.

CCWAY has two interfaces, batch and interactive. The interactive interface provides a CATIA V5 workbench that can be added to the CATIA Start menu, offering a user interface consistent with the interactive CATIA product. The batch interface allows direct access to the CCWAY translators using a shell or batch script.

The CCWAY CATIA workbench allows the user to perform an interactive analysis of CADDs parts while running in a CATIA interactive environment. It is possible to analyze the CADDs part and display the CADDs geometrical data. For example, the user can analyze the control points of a CADDs curve for comparison with the resulting CATIA curve. CCWAY allows the user to check the quality of the converted data interactively.

---

## **Hardware Requirements**

CCWAY is offered on Windows® XP for 32-bit and 64-bit platforms, the AIX® operating system for the RS/6000® family of products and the Solaris operating system for the SUN™ platform.

### **Hardware Requirements in a Windows Environment**

Any configuration certified with CATIA Version 5 R20 SP3 at General Availability dates and the following components which are required for program installation:

- CD-ROM drive
- Minimum of 25MB disk space

### **Hardware Requirements in an AIX Environment**

Any configuration certified with CATIA Version 5 R20 SP3 at General Availability dates and the following components which are required for program installation:

- CD-ROM drive
- Minimum of 25MB disk space

## **Hardware Requirements in an SUN Environment**

Any configuration certified with CATIA Version 5 R20 SP3 at General Availability dates and the following components which are required for program installation:

CD-ROM drive  
Minimum of 25MB disk space

---

# **Software Requirements/Prerequisites**

## **Common Software Requirements**

CCWAY is designed to operate with CATIA Version 5, Release 20 Service Pack 3 in the respective environments and requires the same level of Operating System software and patches that this level of CATIA requires.

Minimum programming configurations are stated below for each platform.

### **Microsoft Windows 32-bit Environment:**

Windows XP Professional SP2

### **Microsoft Windows 64-bit Environment:**

Windows XP Professional x64 edition

### **AIX 32-bit Environment:**

AIX 6.1 Technical Level 02 (using 64-bit kernel) with the following components:

- XL C/C++ V10.1.0.0 Run-time Environment (part of AIX 6.1 TL02)
- XL Fortran V12.1.0.0 Run-Time Environment (part of AIX 6.1 TL02)
- OpenGL 1.3 as delivered on AIX CDs

### **SUN Environment:**

Solaris 10 H/W 03/05 (SPARC) with the following patch applied:

- 199280-06 CD# 1.6

Solaris 10 05/08 (SPARC)

## **All Environments**

CATIA Version 5, Release 20 Service Pack 3

Dassault Systemes License Use Management (LUM)

- o If CCWAY's LUM compound licenses are used, then License Use Management (LUM) Application Runtime Kit (ARK) Version 4.6.6 or later on Solaris, or 32-bit Windows, or Version 4.6.8 or later on AIX or 64-bit Windows is required on each workstation CCWAY is installed on.

---

## **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 Systèmes website :

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

---

## **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. <sup>1</sup>

---

## **Warranty**

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

---

**Footnotes:**

1

**Trademarks**

CATIA and the 3DS logo are registered trademarks of Dassault Systèmes or its subsidiaries, in the US and/or other countries.

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



References in this publication to Dassault Systèmes products, programs or services do not imply that Dassault Systèmes intends to make these available in all countries in which Dassault Systèmes operates.

Any other documentation with respect to this licensed program, including any documentation referenced herein, is provided for reference purposes only and does not extend or modify these specifications.

February 2011