



Licensed Program Specifications (LPS)

Complementary Product for CATIA® V5-6R2012 Highway for CATIA® and CADD5 (CCWAY) Release V2.22

Highway for CATIA® and CADD5 (CCWAY Release V2.22) offers a bi-directional interfacing environment between Dassault Systèmes CATIA V5-6R2012 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 V5-6R2012 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 V5-6R2012 CAT Product 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

CADDS graphics file or create CGR files for each object in the graphics file. CCWAY extends the CATIA V5-6R2012 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 V5-6R2012 workbench that can be added to the CATIA Start menu, offering a user interface consistent with the interactive CATIA software 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® 32-bit and 64-bit platforms.

Hardware Requirements in a Windows Environment

Any configuration certified with CATIA Version 5-6R2012 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 5-6R2012 Service Pack 1 software 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 SP3
Windows Vista Enterprise / Business Edition x86 SP1

Microsoft Windows 64-bit Environment:

Windows XP Professional x64 edition SP2
Windows Vista Enterprise / Business Edition x64 SP1 & SP2
Windows 7 Enterprise Edition/Professional Edition x64 RTM & SP1

All Environments

CATIA Version 5-6R2012 Service Pack 1

One of the following License Key Managers:

1. Dassault Systèmes License Server
 - Starting with Release 22, CCWAY is enabled using the Dassault Systèmes License Server (DSLS). CCWAY's DSLS license keys can be either Nodelock or Server License keys. Instructions for installing DSLS license keys are in the Licensing subsection of the Prerequisites section in the CATIA V5 Program Directory.
2. Dassault Systèmes License Use Management (LUM)
 - If CCWAY's LUM compound license keys are used, then License Use Management (LUM) Application Runtime Kit (ARK) Version 4.6.6, on 32-bit Windows, or Version 4.6.8 on 64-bit Windows is required on each workstation CCWAY is installed on. Customers with CCWAY LUM license keys from previous CCWAY installations can still use the LUM license keys by setting the environment variable CCWLICENSING=LEGACY. Customers are recommended to migrate to DSLS as LUM support will eventually be removed from CCWAY.

Licensed Program Materials Availability

- Restricted materials - No. This licensed program is available without source licensed program materials. It is available in object code only.
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Terms that are initially capitalized below are defined in the Glossary - Release 1, available at www.3ds.com/terms/glossary.

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- in [Concurrent Based](#) mode

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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

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