

# DASSAULT SYSTEMES

## LICENSED PROGRAM SPECIFICATIONS (LPS) FOR CST Studio Suite Release 2022

Terms that are initially capitalized are defined in the Glossary - Release 5, available at [www.3ds.com/terms/glossary](http://www.3ds.com/terms/glossary).

### 1. LIST OF LICENSED PROGRAMS

The list of the [Licensed Programs](#) to which this LPS applies is in the [Product Portfolio](#) available at <http://www.3ds.com/terms/product-portfolio/licensed-programs>.

References in this LPS to Dassault Systèmes [Products](#), Licensed Programs and/or Program Services ([Support Services](#)) do not imply that DS intends to make these available in all countries in which DS operates.

Any other documentation with respect to these Licensed Programs, excluding any documentation referenced herein, is provided for reference purposes only and does not extend or modify these specifications.

### 2. HARDWARE AND SOFTWARE REQUIREMENTS

The DS hardware certification program is available at <http://www.3ds.com/support/certified-hardware/>.

Hardware and software information for most of the CST Studio Suite Release 2022 Licensed Programs are as follows:

#### 2.1 HARDWARE REQUIREMENTS

CST Studio Suite	Opera
IBM PC compatible CPU (Intel Xeon processor strongly recommended)	
16 GB RAM minimum	At least 4 GB of memory, though more is recommended for larger models
30 GB free disk space (60 GB recommended)	5-10 GB of free disk space
OpenGL compatible graphics hardware	OpenGL 2.0, or above, compatible dedicated graphics card, with hardware acceleration to enhance performance: Successfully tested with NVIDIA® Quadro® graphics cards
	A suitable PDF reader to be able to view and print the PDF documentation

#### 2.2 SOFTWARE REQUIREMENTS

CST Studio Suite	Opera
The software runs under Windows 7 (SP 1 or later), Windows 2008 Server R2 (SP 1 or later), Windows 8.1, Windows 2012 Server R2, Windows 10, Windows Server 2016 and Windows Server 2019	The following Windows 64-bit operating systems are supported: Windows 10, Windows Server 2019, Windows Server 2016 and Windows Server 2012 R2
On a Linux PC, the software runs under Red Hat® Enterprise Linux® 7.4 and above, Red Hat® Enterprise Linux® 8.x as well as SUSE® Linux Enterprise Server version 12. Parts of the software using the MATLAB® Runtime (IdEM and some functionality of FEST3D®) require a minimum of SP2 for SUSE® Linux Enterprise Server	The following Linux 64-bit operating systems are supported: Red Hat Enterprise Linux 8 and Red Hat Enterprise Linux 7 (only the current minor version) and is expected to work on other recent 64-bit Linux distributions

### 3. LICENSED PROGRAM MATERIALS AVAILABILITY

Restricted materials - No.

This Licensed Program is available without [Source Code](#) materials. It is available in [Object Code](#) only.

## 4. SUPPLEMENTAL TERMS

### 4.1 GENERAL RULES

The licenses for the Licensed Programs to which this LPS applies are granted pursuant to the [Agreement](#), and according to one of the following licensing schemes (specifying the authorized use and end-users), as specified in the [Product Portfolio](#) if available, and as determined in the applicable [Quote](#):

- [Concurrent \(or floating\) Based](#)
- [Machine \(or node-lock\) Based](#)
- [Token Based](#)

Licenses for the Licensed Programs to which this LPS applies are granted for use on [Machines](#) by the [Users](#) (and [Extended Enterprise Users](#), as applicable) only at the Site(s) in the country as identified in the Agreement and for which the licenses are ordered. However, (i) Users, whose usual workplace is located in the same country as the country where such use of the Licensed Programs has been authorized, may use the Licensed Programs in any other country (subject inter alia to the export and re-export laws and regulations provisions of the Agreement) for purposes of a business trip of a maximum of thirty (30) consecutive days and (ii) DS may authorize, on a case-by-case basis, the use of certain Licensed Programs by the Users (and Extended Enterprise Users, as applicable) on a Remote Access mode.

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- shall solely be used together and as part of such Licensed Program and
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### 4.2 SPECIFIC PROVISIONS FOR CERTAIN LICENSED PROGRAMS

#### **CST Studio Suite Package 5CB-S2K (Concurrent Based):**

The *CST Studio Suite Package (5CB-S2K)* Licensed Program is composed of the *Solver Process (5CT-S2P)* Licensed Program which is a solver compute service made of several specific solvers, and of the user interface *CST Studio Suite Frontend (5CP-S2F)* Licensed Program. Any *CST Studio Suite Frontend* User can access and use any Licensee's *Solver Process* Licensed Programs. The number of concurrent simulation jobs used at a given time cannot exceed the total number of *Solver Process* Licensed Programs.

#### **CST Studio Suite Package 5MB-S2K-N (Machine Based):**

The *CST Studio Suite Package (Nodelock) (5MB-S2K-N)* Licensed Program is composed of the *Solver Process (Nodelock) (5MP-S2P-N)* Licensed Program which is a solver compute service made of several specific solvers, and the user interface *CST Studio Suite Frontend (Nodelock) (5MP-S2F-N)* Licensed Program. A *CST Studio Suite Frontend (Nodelock)* Licensed Program can only be used from the Machine on which it is installed and cannot be used from a remote desktop connection session. A *CST Studio Suite Frontend (Nodelock)* User can access the solver capability of any *Solver Process (Nodelock)* Licensed Programs installed on the same Machine. The number of concurrent simulation jobs used at a given time cannot exceed the total number of *Solver Process (Nodelock)* Licensed Programs.

#### **CST Studio Suite Frontend 5MP-S2F-N (Nodelock):**

A *CST Studio Suite Frontend (Nodelock)* Licensed Program can only be used from the Machine on which it is installed and cannot be used from a remote desktop connection session.

#### **CST Studio Suite Opera 2D 5MP-OP2-N (Nodelock):**

A *CST Studio Suite Opera 2D (Nodelock)* Licensed Program can only be used from the Machine on which it is installed and cannot be used from a remote desktop connection session.

#### **Computation job for SIMULIA Opera Concurrent Based:**

Any Concurrent Based SIMULIA Opera solver listed in the table below grants the right to execute one (1) simultaneous simulation job. Any SIMULIA Opera User can execute several simultaneous simulation jobs by accessing several SIMULIA Opera solvers. The number of a given type of simulation jobs executed simultaneously cannot exceed the total number of SIMULIA Opera solver licenses required to execute such a job.

Product Number	Licensed Program Name
<b>Opera solvers</b>	
5CP-O2A	<i>Opera 2D Stress Analysis solver</i>
5CP-O2B	<i>Opera 2D Demagnetization solver</i>
5CP-O2C	<i>Opera 2D Space Charge solver</i>
5CP-O2H	<i>Opera 2D Thermal Analysis solver</i>
5CP-O2N	<i>Opera 2D Linear Motion solver</i>
5CP-O2R	<i>Opera 2D Rotating Machine solver</i>
5CP-O2X	<i>Opera 2D Statics solver</i>
5CP-O2Y	<i>Opera 2D Dynamics solver</i>
5CP-O3A	<i>Opera 3D Stress Analysis solver</i>
5CP-O3B	<i>Opera 3D Demagnetization solver</i>
5CP-O3C	<i>Opera 3D Space Charge solver</i>
5CP-O3H	<i>Opera 3D Thermal Analysis solver</i>
5CP-O3I	<i>Opera 3D High Frequency solver</i>
5CP-O3N	<i>Opera 3D Linear Motion solver</i>
5CP-O3Q	<i>Opera 3D Quench solver</i>
5CP-O3R	<i>Opera 3D Rotating Machines solver</i>
5CP-O3X	<i>Opera 3D Statics solver</i>
5CP-O3Y	<i>Opera 3D Dynamics solver</i>
<b>Opera solver options</b>	
5CP-O2L	<i>Opera 2D Lossy Dielectric</i>
5CP-O3J	<i>Opera 3D Space Charge Plasma for Magnetrons</i>
5CP-O3L	<i>Opera 3D Lossy Dielectrics</i>
5CP-O3V	<i>Opera 3D Space Charge Volume Emission</i>

**Machine Based Computation for SIMULIA Opera:**

Any Machine Based SIMULIA Opera solver listed in the table below grants the right to execute one (1) simultaneous simulation job. Any SIMULIA Opera User can access the solver capability of any SIMULIA Opera solver installed on the same Machine. The number of a given type of simulation jobs executed simultaneously cannot exceed the total number of SIMULIA Opera solver licenses required to execute such a job.

Product Number	Licensed Program Name
<b>Opera solvers</b>	
5MP-O2A-N	<i>Opera 2D Stress Analysis solver (Nodelock)</i>
5MP-O2B-N	<i>Opera 2D Demagnetization solver (Nodelock)</i>
5MP-O2C-N	<i>Opera 2D Space Charge solver (Nodelock)</i>
5MP-O2H-N	<i>Opera 2D Thermal Analysis solver (Nodelock)</i>
5MP-O2N-N	<i>Opera 2D Linear Motion solver (Nodelock)</i>
5MP-O2R-N	<i>Opera 2D Rotating Machine solver (Nodelock)</i>
5MP-O2X-N	<i>Opera 2D Statics solver (Nodelock)</i>
5MP-O2Y-N	<i>Opera 2D Dynamics solver (Nodelock)</i>
5MP-O3A-N	<i>Opera 3D Stress Analysis solver (Nodelock)</i>
5MP-O3B-N	<i>Opera 3D Demagnetization solver (Nodelock)</i>
5MP-O3C-N	<i>Opera 3D Space Charge solver (Nodelock)</i>
5MP-O3H-N	<i>Opera 3D Thermal Analysis solver (Nodelock)</i>
5MP-O3I-N	<i>Opera 3D High Frequency solver (Nodelock)</i>
5MP-O3N-N	<i>Opera 3D Linear Motion solver (Nodelock)</i>
5MP-O3Q-N	<i>Opera 3D Quench solver (Nodelock)</i>
5MP-O3R-N	<i>Opera 3D Rotating Machines solver (Nodelock)</i>
5MP-O3X-N	<i>Opera 3D Statics solver (Nodelock)</i>
5MP-O3Y-N	<i>Opera 3D Dynamics solver (Nodelock)</i>
<b>Opera solver options</b>	
5MP-O2L-N	<i>Opera 2D Lossy Dielectric (Nodelock)</i>
5MP-O3J-N	<i>Opera 3D Space Charge Plasma for Magnetrons (Nodelock)</i>
5MP-O3L-N	<i>Opera 3D Lossy Dielectrics (Nodelock)</i>
5MP-O3V-N	<i>Opera 3D Space Charge Volume Emission (Nodelock)</i>

**Wildcard use for SIMULIA Opera:**

Opera 3D Wildcard (5CP-O3W or 5MP-O3W-N) or Opera 2D Wildcard (5CP-O2W or 5MP-O2W-N) Licensed Programs can be used to run an additional copy of any SIMULIA Opera solver listed in the tables above for which Licensee has a license under the same conditions as the given SIMULIA Opera solver.

## 5. OTHER PERMITTED USES FOR LICENSED PROGRAMS

### **USE FOR CERTAIN SERVICES**

Except for [Development Tool Kit](#), Licensee is authorized to use the Licensed Programs for added-value engineering or implementation services. Added-value engineering or implementation services are services to deliver to a third party end user any deliverable generated specifically for said third party end user from use by Licensee of the Licensed Programs. In any event, Licensee may not (1) use the Licensed Programs to develop software code for (i) general distribution by any means, and whether alone or bundled or delivered with any product, data, information, software, or other element, or (ii) any services that do not add value attributable to the intervention of specific human skills, such as, without limitation, in a data services operation or as an application service provider, or (2) install and/or operate and/or give access to the Licensed Programs on any hardware and/or software environment owned by or under control of any third party unless otherwise expressly authorized in the Agreement, or (3) represent or imply to any party that it is an authorized or certified provider of services for DS. Licensee shall indemnify and defend DS against any claim, expense, judgment, damage or loss (including reasonable attorneys' fees) which arises out of or in any way relates to Licensee's use of the Licensed Programs with third party end users.

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VISA libraries are not provided as part of CST Studio Suite.

The use of VISA libraries in conjunction with CST Studio Suite is subject to the acceptance by the Licensee of the IVI Foundation license agreement.

The aforementioned IVI Foundation license agreement can be obtained from the IVI Foundation and shall only bind Licensee and the IVI Foundation.

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- Licensee is prohibited from making copies of the MCR Libraries accessible to any third party.
- Licensee may not modify or remove any license agreement file (Mathworks or third-party) that is included with the MCR Libraries

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### 7.1 TYPE/DURATION OF PROGRAM SERVICES (also referred to as "SUPPORT SERVICES")

Support Services means the maintenance, enhancement and other support services related to a Licensed Program as described at <http://www.3ds.com/terms/support-policies>

### 7.2 DESIGNATED MACHINE IDENTIFICATION

No

### 7.3 TEST PERIOD

No

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Following the discontinuance of all Program Services (Support Services), this Licensed Program will be provided "As Is" as specified in the Agreement.

## 11. ADDITIONAL DEFINITIONS

The following definitions supplement those of the Glossary - Release 5, available at [www.3ds.com/terms/glossary](http://www.3ds.com/terms/glossary).

**Site** means a single building or group of buildings that constitutes a consistent business unit located at the same address belonging to a Licensee and under its sole control or supervision. The Site(s) are identified in the Agreement.

## 12. TRADEMARKS

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