

DASSAULT SYSTEMES

LICENSED PROGRAM SPECIFICATIONS (LPS) FOR CST Studio Suite Release 2021

Terms that are initially capitalized are defined in the Glossary - Release 4, available at 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>.

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 2021 Licensed Programs are as follows:

2.1 HARDWARE REQUIREMENTS

CST Studio Suite	Opera
IBM PC compatible CPU (Intel Xeon processor strongly recommended)	
4 GB RAM (8 GB recommended)	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 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.

It is agreed that, notwithstanding anything to the contrary provided in the [Documentation](#), software components packaged and delivered by DS as part of a given Licensed Program:

- shall solely be used together and as part of such Licensed Program and
- shall not be used standalone and/or for other purposes than the ones for which such Licensed Program has been marketed and granted to [Licensee](#) by DS.

If a patent invention is implemented in the Licensed Programs for which a right to use is granted pursuant to the Agreement, DS hereby grants Licensee a non-exclusive license on the applicable patent limited to the use of such Licensed Program.

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
Opera solvers	
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>
Opera solver options	
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
Opera solvers	
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>
Opera solver options	
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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In addition to all terms and conditions of the Agreement and all other provisions of this LPS, Licensee agrees that it is responsible for ensuring that any use of the Licensed Programs by all Users, and, if applicable all Named Users and/or Extended Enterprise Users, shall at all times be in compliance with the terms and conditions of the Agreement, and any breach by Extended Enterprise Users (if applicable) of the terms of this Agreement shall also be deemed a breach by Licensee.

EDUCATIONAL ALLOWANCE AVAILABILITY

The standard educational allowance does not apply to the Licensed Programs to which this LPS applies.

6. SPECIFIC TERMS FOR THIRD PARTY COMPONENTS

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6.2 ADDITIONAL THIRD PARTY TERMS

The following terms apply in addition to the Agreement:

➤ Würth Elektronik for CST Studio Suite

1. The Würth Elektronik for CST Studio Suite library is being provided solely for informational purposes. Please refer to the product specifications in order to gain detailed characteristics of such products.
2. In no event shall Würth Elektronik eiSos GmbH & Co. KG be liable for any loss or damage arising, directly or indirectly, from the use of any information contained in the Würth Elektronik for CST Studio Suite library models, including, but not limited to loss or damages arising from any inaccuracies, omissions or errors in connection with such information.
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1. This Coilcraft Inductor library/ These Coilcraft Inductor models is / are being provided solely for informational purposes. Please refer to the product specifications in order to gain detailed characteristics of such products.
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VISA libraries

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.

➤ Matlab Compiler Runtime Libraries

Licensee acknowledges that the Licensed Program has been created with MATLAB®, The MathWorks, Inc. (release indicated in IdEM's About box) and relies on the Matlab Compiler Runtime (MCR) environment. The Mathworks Incorporated owns the copyright in the MCR libraries. Installation and use of the Licensed Program is subject to Customer's acceptance of the terms of The Mathworks Inc. Software License Agreement, available in the MCR libraries installation directory (MCR Install Directory\version_number\MCR_license.txt or MCR Install Directory\MCR_license.txt). In particular:

- Licensee may use the MCR Libraries for the sole purpose of running the Licensed Program.
- 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

➤ Oracle Java Runtime Environment (JRE)

Use of the Commercial Features for any commercial or production purpose requires a separate license from Oracle. "Commercial Features" means those features that are identified as such in the Licensing Information User Manual – Oracle Java SE and Oracle Java Embedded Products Document, accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>, under the "Description of Product Editions and Permitted Features" section.

6.3 EXCLUSIONS

The warranty and indemnification provided by DS under the Agreement are not applicable to the software components listed hereunder:

- Oracle Java Runtime Environment (JRE)

7. SPECIFICITIES

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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The Licensed Programs are warranted as specified in the Agreement.

These 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 (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 4, available at 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

CST, CST STUDIO SUITE, CST MICROWAVE STUDIO, CST EM STUDIO, CST PARTICLE STUDIO, CABLE STUDIO, PCB STUDIO, MPHYSICS, MICROWAVE STUDIO, CST EMC STUDIO, EM STUDIO, EMC STUDIO, CST BOARDCHECK, PARTICLE STUDIO, STUDIO SUITE, PERFECT BOUNDARY APPROXIMATION (PBA), the CST logo, ANTENNA MAGUS, the FEST3D logo, the SPARK3D logo, 3DEXPERIENCE, the Compass icon and the 3DS logo, CATIA, BIOVIA, GEOVIA, SOLIDWORKS, 3DVIA, ENOVIA, EXALEAD, NETVIBES, MEDIDATA, CENTRIC PLM, 3DEXCITE, SIMULIA, DELMIA and IFWE are commercial trademarks or registered trademarks of Dassault Systèmes, a French “société européenne” (Versailles Commercial Register # B 322 306 440), or its subsidiaries in the U.S. and/or other countries. All other trademarks are owned by their respective owners. Use of any Dassault Systèmes or its subsidiaries trademarks is subject to their express written approval.

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