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## Licensed Program Specifications

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# Abaqus Unified FEA Product Suite 6.10

The Abaqus Unified FEA product suite offers powerful and complete solutions for both routine and sophisticated engineering problems covering a vast spectrum of industrial applications. In the automotive industry, engineering work groups are able to consider full vehicle loads, dynamic vibration, multibody systems, impact/crash, nonlinear static, thermal coupling, and acoustic-structural coupling using a common model data structure and integrated technology. Best-in-class companies are taking advantage of Abaqus Unified FEA to consolidate their processes and tools, reduce costs and inefficiencies, and gain a competitive edge.

The Abaqus product suite consists of four software products.

Abaqus/CAE

Abaqus/Standard

Abaqus/Explicit

Abaqus/CFD

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## Hardware Requirements

Windows x86-32 bit

Windows x86-64 bit

Linux x86-64 bit

Linux Itanium (Abaqus/Standard and Abaqus/Explicit only)

HP-UX Itanium (Abaqus/Standard and Abaqus/Explicit only)

AIX/Power (Abaqus Standard, Abaqus/Explicit, and Abaqus/CFD only)

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## **Software Requirements/Prerequisites**

Windows XP, Windows Server 2003, Windows Vista, and Windows 7 on x86-32 bit

Windows XP, Windows Server 2003, Windows Server 2008, Windows HPC Server 2008, Windows Vista, and Windows 7 on x86-64 bit

SUSE Linux Enterprise 10, SUSE Linux Enterprise 11, Red Hat Enterprise Linux 5 on x86-64 bit

SUSE Linux Enterprise 10, and Red Hat Enterprise Linux 5 on Itanium

HP-UX 11.23 and HP-UX 11.31 on Itanium

AIX 5.3 and AIX 6.1 on Power

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## **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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## **Supplemental Terms**

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### **Type/Duration of Program Services( also referred to as “Support Services”)**

Support is provided through the SIMULIA Online Support System (SOSS) website:

<http://simulia.custhelp.com/cgi-bin/abaqus.cfg/php/enduser/home.php>

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### **The License Management Model**

The Abaqus products rely on a floating pool of concurrent network licenses known as “tokens”. Abaqus/Standard, Abaqus/Explicit, and Abaqus/CFD share the same token type

while Abaqus/CAE has a different token type. The software may check out additional tokens to run on additional compute core's or when running in parallel. This allows cost effective token scaling while increasing performance. The tokens are normally restricted to a single customer site (LAN). Customers with sites that span geographic locations can share tokens across the sites for an additional fee (WAN-licensing).

## **Separately Licensed Code**

The Abaqus Unified FEA product contains the following components:

Fox Toolkit

ML

which are Separately Licensed Code, and licensed under the terms of the GNU Lesser General Public License set forth below:

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as the successor of the GNU Library Public License, version 2, hence

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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## **Designated Machine Identification**

No

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## **Test Period**

No

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## **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.

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