



## **Dassault Systèmes Supports Industry Commitment to Code of PLM Openness (CPO)**

***Dassault Systèmes (3DS)***

***CPO Statement for  
CATIA V6 and ENOVIA V6***

The content of this document is based on the Codex of PLM Openness V1.2 documents  
as published on 26.11.2013 on <http://www.prostep.org/de/cpo.html>

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## 1. 3DS POSITION

Dassault Systèmes (“3DS”) has always been committed to serving its customers’ needs, and views openness as a means to fulfill this commitment.

We consider the Code of PLM Openness (“CPO”) as an opportunity to:

- Communicate our interoperability policy to customers, developers, competitors, and other 3rd parties
- Promote a common understanding of PLM openness and interoperability, and
- Discuss and resolve future issues

We believe the CPO will help provide a continuing framework for discussion with a broad range of stakeholders to ensure that a consistent vision of interoperability is shared throughout the entire PLM sector.

3DS has actively participated in the CPO initiative since mid-2011. In April 2012, Dominique Florack, 3DS Senior Executive Vice President, Products, Research and Development, signed the CPO on behalf of 3DS.

3DS has designed and built its V6 based **3DEXPERIENCE** Platform to take full advantage of its many years of research and development in infrastructure protocols and interoperability. As documented in this statement, the V6 architecture supporting the **3DEXPERIENCE** Platform supports IT standards, such as Web Services, and multiple exchange standards, such as STEP, IGES, FMI, AUTOSAR and JT. The **3DEXPERIENCE** Platform supports openness by making thousands of APIs available for use by customers and software developer partners through 3DS’s open, comprehensive development environment.

3DS endorses and supports the CPO in its present and updated form and is looking forward to continuing to participate in its further development, including its adaptation to online services.

## 2. CPO COMPLIANCE STATEMENT TABLE

Company	Dassault Systemes		Contact Person: Volker Klare	
Subjected Products	3D Experience Solutions on the V6 Platform			
CPO-Terms	Related products: CATIA V6, ENOVIA V6	Fulfilled	Not/partially fulfilled	Comments
	2.1 Interoperability	Fulfilled		Interfaces may be provided by software development partners in certain cases
	2.2 Infrastructure	Fulfilled		
	2.3 Extensibility	Fulfilled	2.3.3 partially fulfilled	2.3.3 Change request system is in place - Feedback is provided according to customer agreement
	2.4 Interfaces	Fulfilled		
	2.5 Standards	Fulfilled		2.5.4: When interfaces are provided by software development partners, such partners are the participants in the related Implementor Forums
	2.6 Architecture	Fulfilled		
	2.7 Partnership	Fulfilled		2.7.5: Provided upon IT customers' request
List of supported Standards	See attachment			

### 3- INTERFACE AND PROGRAMMING STANDARDS
















#### INTERFACE STANDARDS

The provided list of supported standards is not exhaustive. Most of the standards listed for V6 are supported under V5 as well. Please contact a 3DS representative for additional details.

Format	Standard type	V6 Import/Export
STEP	ISO	<b>Supported in V6</b> - For std. Data exchange and long term archiving - Support of AP203Ed1, AP203Ed2, AP214 up to Ed3, AP242 participation
IGES	ISO	<b>Supported in V6</b>
VRML	ISO	<b>Supported in V6</b>
STL	Industry standard	<b>Supported in V6:</b> Import/export as STL from Digitized Shape Editor workbench. Used for stereo lithography.
DXF/DWG	Proprietary Autodesk	<b>Supported in V6:</b> for 2D drawings
IDF	Industry standard	<b>Supported in V6:</b> for exchange of PCB designs. PCB license CATIA Circuit Board Design or Flexible Circuit Board workbenches
ELOG (Electrical Logical Systems)	ProSTEP/VDA	<b>Supported in V6:</b> CATIA V6 ELS license
KBL (Electrical Harness)	ProSTEP/VDA	<b>Supported in V6:</b> (Export only): CATIA V6 EFB license (LA V6R2011 and GA V6R2012x)
JT*	ISO PAS 9.5	<b>Supported in V6:</b> for visualization (conversion with 3rd party to/from tessellated V6 format) as part of vertical integration infrastructure, exact geometry as service project
Modelica	Modelica.org	<b>Supported in V6:</b> for System Logical modeling
FMI (Functional Mockup Interface)	Modelica.org	<b>Supported in V6:</b> for System Model exchange, in plan for Co-Simulation
ReqIF	omg.org/spec/ReqIF	<b>Supported in V6:</b> for requirements via Reqtify
ISO	ISO	<b>Supported in V6:</b> ISO 129-1 2004, ISO 406 1987, ISO 286-1 1988, ISO 286-2 1988, ISO 1101 2004, ISO 1302 2002, ISO 1660 1987, ISO 2692 2006, ISO 2768-1 1989, ISO 5458 1998, ISO 5459 1981, ISO 8015 1985, ISO 10578 1992, ISO 10579 1993, ISO 14660-1 1999, ISO 14660-2 1999, ISO/TS 17450-1 2005, ISO/TS 17450-2 2002, ISO/TR 16570 2004, ISO 16792 2006
JIS	National Standard	<b>Supported in V6:</b> for 2D drawings and 3D annotations
ANSI	National Standard	<b>Supported in V6:</b> ANSI B4.2-1978
ASME	National Standard	<b>Supported in V6:</b> ASME Y14.5-2009, ASME Y14.41M-2003

\*= As of January 2014 we are providing a solution that will allow JT, including the support of Parasolid XT B-rep, to be converted into CATIA format, in both directions. We are relying on our partner's network to deliver a commercial solution available for the entire global market.

## PROGRAMMING STANDARDS

User Experience	HTML5, CSS , UWA, JavaScript
Application Servers	 Tomcat  IBM  WebSphere.  ORACLE
Real Time Collaboration	MS Office Live Communication  Office XMPP
IP	3DXML, STEP, Collada
Security	LDAP, Digital Certificates, SSL, HTTPS, OWASP
Databases	 ORACLE  Microsoft Microsoft SQL Server  IBM DB2.
Services	SOAP (WSDL, WS-BasicProfile), REST, JSON
Languages	Java, C/C++, C#, VB.NET, VBA, JavaScript, Modelica
Browsers/Clients	 Internet Explorer  Firefox  Safari  Chrome
Operating Systems	 iOS  MacOS  Windows Linux AIX
Processors	x86 32-64, ARM