SIEMENS

Siemens PLM Software

CPO Statement for NX software

White Paper

Following the prerequisites of ProSTEP iViP's Code of PLM Openness (CPO) IT vendors shall determine and provide a list of their relevant products and the degree of fulfillment as a "CPO Statement" (cf. CPO Chapter 2.8).

This CPO Statement refers to:

Product name	**NX**
Product version	10
Contact	cpo.contact.plm@siemens.com

This CPO Statement was created and published by Siemens PLM Software in form of a self-assessment with regard to the CPO.

Publication Date of this CPO Statement: 22 May 2015

www.siemens.com/plm

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1. Executive summary

Siemens PLM Software is pleased to participate in the Code of PLM Openness. Openness must be ingrained in a company's culture. Siemens PLM Software has maintained openness as a core value throughout its history. Open companies are approachable and engage with customers and partners as a standard way of doing business. They have an open business model at the foundation of their open strategy because even open technology is not effective if it is locked behind restrictive legal agreements and business practices. A company must be approachable and engaging with both customers and competitors to truly be considered open. Siemens PLM Software has led the industry with its open strategy and actively delivers open tools and technologies.

Siemens PLM Software provides products that are open in architecture, application, components and infrastructure. Our Open architecture enables integration with other enterprise and legacy systems.

More on facts and philosophies from Siemens PLM software on open PLM can be found at www.siemens.com/plm/openplm.

Company name:	Siemens PLM Software	Contact person: Jonathon Rimmer
Product name:	NX	
CPO term	Fulfilled (100%)	Comments because of deviations
2.1 Interoperability	☒	See relevant section for detailed information
2.2 Infrastructure	☒	See relevant section for detailed information
2.3 Extensibility	☒	See relevant section for detailed information
2.4 Interfaces	☒	See relevant section for detailed information
2.5 Standards	☒	See relevant section for detailed information
2.6 Architecture	☒	See relevant section for detailed information
2.7 Partnership	☒	See relevant section for detailed information

List of inherent supported neutral standards	API: ☒C/C++ / ☒Java / ☒.NET / ☐Web Services / Others: Please provide, if desired 3D: ☒IGES / ☒JT / ☒STL / ☒STEP / ☐VRML / Others: Please provide, if desired DX: ☐eCl@ss / ☐FMI / ☐IDX / ☐PDF / ☐ReqIF / ☐STEP / ☐VEC See relevant sections for further details and additional supported standards.

2. Details of self-assessment

The following chapters summarize the results of the CPO-related self-assessment of Siemens PLM Software with regard to NX™ software.

2.1 CPO Chapter 2.1: Interoperability

APIs have the following standard language bindings:

- C/C++
- Visual Basic
- C#
- Java
- Python

2.2 CPO Chapter 2.2: Infrastructure

Supported platforms (hardware and OS) are:

Minimum Certified Operating Systems:

- Microsoft Windows (64-bit)
  - Microsoft Windows 7 Pro and Enterprise Editions, Windows 8 and 8.1
- Linux (64-bit)
  - SuSE Linux Enterprise Server/Desktop 11 SP1
  - Red Hat Enterprise Linux Server/Desktop 6.0
- Mac OS X
  - Version 10.8.5 or later

For detailed information about certified versions of Runtime/Buildtime OS, etc. that can be used with NX, please visit http://www.plm.automation.siemens.com/en_us/support/gtac/certifications.shtml

2.3 CPO Chapter 2.5: Standards

Supported data exchange formats:

Data exchange
- JT
- IGES
- STL
- STEP AP203, STEP AP214
- DXF/DWG (R12, R13, R14, 2000, 2004–2013)

Drafting and geometric tolerance
- ANSI Y14.5M – 1982, ANSI B4.1, ANSI B4.2
- ASME Y14.36M-1996
- ISO 1101: 1983, ISO 268-1 and ISO 268-2, ISO 1992 and 2002
- DIN 1992 and 2002
- ESKD
- GB
- JIS

2.4 CPO Chapter 2.6: Architecture

The IT system's architecture is conforming CPO 2.6
Yes ☒ / No ☐

2.5 CPO Chapter 2.7: Partnership

2.5.1 Data Generated by Users

Data generated by IT users with an IT system is and remains the intellectual property of these IT users, according CPO 2.7.4
Yes ☒ / No ☐

2.5.2 Partnership Models

Partnership models are offered according CPO 2.7.7
Yes ☒ / No ☐

The Siemens PLM Solution Partner Program provides global customers with a variety of high-quality products, services and solutions relating to NX. For further information, please visit: http://www.plm.automation.siemens.com/en_us/partners/index.shtml

2.5.3 Support of User and Innovation Groups

Supported groups are:

Siemens PLM Community
Discussion forums, knowledge bases and blogs that enable users to learn how to get the most out of their experience with NX, including:

- **NX Customization and Programming**
- NX Manufacturing Forum
- NX Design Forum
- NX Simulation Forum

Website: http://community.plm.automation.siemens.com/

PLM World
PLM World® is an independent, not-for-profit organization whose mission is to be the Voice of the User in providing an open forum for the exchange of ideas within the Siemens Product Lifecycle Management (PLM) Software product environment. Website: http://www.plmworld.org

Steering groups
Siemens PLM Software participates in various steering groups to discuss and address industry challenges relating to NX, including Automotive Steering Group, AIAG, JAMA and JT Open.

2.6 Additional Information

NX gives you a wide range of programming and customization tools to help you extend and tailor NX software capabilities to your specific needs. With simple, rapid automation capabilities and expert programming utilities, these NX customization tools can be employed by product development personnel as well as application developers.

Website: http://www.plm.automation.siemens.com/en_us/products/nx/for-design/productivity-tools/customization-programming.shtml

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About Siemens PLM Software

Siemens PLM Software, a business unit of the Siemens Digital Factory Division, is a leading global provider of product lifecycle management (PLM) and manufacturing operations management (MOM) software, systems and services with over nine million licensed seats and more than 77,000 customers worldwide. Headquartered in Plano, Texas, Siemens PLM Software works collaboratively with its customers to provide industry software solutions that help companies everywhere achieve a sustainable competitive advantage by making real the innovations that matter. For more information on Siemens PLM Software products and services, visit www.siemens.com/plm.

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