



21ST CENTURY TECHNOLOGIES

Code of PLM Openness

Vendor statement

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CPO Statement of Glovius

Date: 1st Feb 2018

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

This CPO Statement refers to:

Product Name	Glovius
Product Version	4.4.0.537
Contact	Siddhartha Oza Siddhartha.oza@hcl.com

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

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1 Executive Summary

Glovius is committed to implement the requirements and criteria formulated in the Code of PLM Openness. CPO is an initiative of the ProSTEP iViP association for establishing a common understanding on openness of IT systems in the context of PLM. Glovius believes that open standards make life easier for users and developers alike, by promoting interoperability and efficiency.

Glovius has, since 2011, offered proven and certified software products in the area of CAD/CAM, PDM and PLM interoperability. The principals of the “Code of PLM Openness” play an important part in our software architecture and in the development of our software products.

2 Details of Self-Assessment

The following chapters summarize the results of the CPO-related self-assessment of HCL’s Geometric Tech with regard to Glovius.

Company : HCL Technologies Ltd.	Contact Person : Siddhartha Oza	
Product Name:	Glovius	
CPO Term	Fulfilled (100%)	Comments because of deviations
2.1 Interoperability	<input checked="" type="checkbox"/> Yes	
2.2 Infrastructure	<input checked="" type="checkbox"/> Yes	
2.3 Extensibility	<input checked="" type="checkbox"/> Yes	
2.4 Interfaces	<input checked="" type="checkbox"/> Yes	
2.5 Standards	<input checked="" type="checkbox"/> Yes	
2.6 Architecture	<input checked="" type="checkbox"/> Yes	
2.7 Partnership	<input checked="" type="checkbox"/> Yes	
List of inherent supported neutral standards	API: <input checked="" type="checkbox"/> C++ / <input checked="" type="checkbox"/> Web Services/ <input checked="" type="checkbox"/> OpenGL 2.0: 3D CAD File format: <input checked="" type="checkbox"/> CatiaV5 (*.catpart; *.CatProduct), <input checked="" type="checkbox"/> NX (*.prt), <input checked="" type="checkbox"/> Creo (*.prt;*.asm), <input checked="" type="checkbox"/> Inventor (*.ipt; *.iam), <input checked="" type="checkbox"/> SolidEdge (*.par;*.asm), <input checked="" type="checkbox"/> SolidWorks (*.sldprt;*.sldasm) 3D Neutral file format: <input checked="" type="checkbox"/> IGES / <input checked="" type="checkbox"/> JT / <input checked="" type="checkbox"/> STL / <input checked="" type="checkbox"/> STEP/ <input checked="" type="checkbox"/> cgr Proprietary file format: Glovius (*.glovius)	

2.1 CPO Chapter 2.1: Interoperability

Development interfaces use following standard language bindings.

- C++
- C++ standard template library
- OpenGL 2.0

2.2 CPO Chapter 2.2: Infrastructure

Supported platforms (hardware and OS) are:

- x86: Microsoft® Windows®7, Microsoft®Windows®8 , Microsoft®Windows®10
- x64: Microsoft® Windows®7, Microsoft®Windows®8 , Microsoft®Windows®10

Details of our Product offerings can be found at: <https://www.glovius.com/release-notes/>

2.3 CPO Chapter 2.5: Standards

Supported data exchange formats:

- Proprietary format: Glovius
- 3D CAD File format: CatiaV5 (*.catpart; *.CatProduct)/ NX (*.prt)/ Creo (*.prt;*.asm)/ Inventor (*.ipt; *.iam)/ SolidEdge (*.par;*.asm)/ SolidWorks (*.sldprt;*.sldasm)
- 3D Neutral file format: IGES / JT / STL / STEP/ cgr

Details of our Product offerings can be found at: <https://www.glovius.com/>

2.4 CPO Chapter 2.6 Architecture

Glovius has a documented and defined multi-layer architecture available as part of the custom development guide.

Glovius is based on the plugin architecture which makes managing the individual components easier and independent. Various components of Glovius interact with each other using well defined interfaces.

Help document for new extension development is documented in “Glovius SDK Document.pdf”

Help document for data model access is documented in “Glovius MVC Interfaces.pdf”

2.5 CPO Chapter 2.7 Partnership

2.5.1 Data Generated by User

Yes / No

Data generated by IT users with an IT system is and remains the intellectual property of these IT users, according CPO 2.7.4

2.5.2 Partnership Models

Yes / No

Partnership models are offered according CPO 2.7.7

GTS has various agreements in place with other IT vendors & customers to support extensibility and integration of Glovius with other systems. GTS is open to partnership & co-operation opportunities on Glovius.

2.5.3 Support of User and Innovation groups

- Glovius provide continues user support via email (support@Glovius.com) & GoToMeeting.
- Glovius provide the information about the latest development via release notes to customer.

2.6 Additional Information

Glovius provides all of the tools, libraries, and associated documentation necessary to configure and extend the Glovius data model, business logic, and user interface and to deploy such extensions.

C++ Interface are documented in the Glovius MVC Interfaces document respectively.

Customers may commission third parties to implement extensions and integrations as permitted within their respective licensing agreements.

Openness includes many different details and aspects in addition to the items listed in this statement, which represent the most common and relevant ones. In case of missing details, please ask support@glovius.com contact for more information.