CPO Statement of Eurostep Group AB

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	Share-A-space
Product Version	**Version 7**
Contact	**Magnus Färneland**
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This CPO Statement was created and published by Eurostep Group AB in form of a self-assessment with regard to the CPO.

Publication Date of this CPO Statement: 22 May 2015

Content

1 Executive Summary

Eurostep is built on the concept of openness and open product data standards. From the day the company was registered in 1994, and through all the years since, Eurostep has been active in standardization networks, engaging with policy makers, user communities and IT industry. Eurostep is more dependent on the success of standards and their industrial adoption and usability than almost any other PLM vendor and so we welcome the initiative with the Codex of PLM Openness.

Share-A-space® is at its core designed using the standards specifications, so the commitment is to more than just using standards to define interfaces. Eurostep's PLM Software is open in architecture, application, components and infrastructure. This enables integration with other enterprise and legacy systems at any phase of a product's life cycle. Eurostep is pleased to participate in the Codex of PLM Openness. The product included in the CPO statement is Share-A-space®. Eurostep has fulfilled compliance with each CPO statement as described in the Basic Understanding of Openness and Associated Requirements, Version 1.3, 01.07.2014.

Company Name:	Eurostep Group AB	Contact Person:	Magnus Färneland
Product Name:	Share-A-space		

CPO Term	Fulfilled (100%)	Comments because of deviations
2.1 Interoperability	☒	Comments: Please provide your reasons for deviations Convergence Path: Please provide your plan for CPO convergence, if intended
2.2 Infrastructure	☒	Comments: Please provide your reasons for deviations Convergence Path: Please provide your plan for CPO convergence, if intended
2.3 Extensibility	☒	Comments: Please provide your reasons for deviations Convergence Path: Please provide your plan for CPO convergence, if intended
2.4 Interfaces	☒	Comments: Please provide your reasons for deviations Convergence Path: Please provide your plan for CPO convergence, if intended
2.5 Standards	☒	Comments: Please provide your reasons for deviations Convergence Path: Please provide your plan for CPO convergence, if intended
2.6 Architecture	☒	Comments: Please provide your reasons for deviations Convergence Path: Please provide your plan for CPO convergence, if intended
2.7 Partnership	☒	Comments: Please provide your reasons for deviations Convergence Path: Please provide your plan for CPO convergence, if intended

List of inherent supported neutral standards	API: ☐C/C++ / ☐Java / ☒.NET / ☒Web Services / Others: 3D: ☐IGES / ☐JT / ☐STL / ☐STEP / ☐VRML / Others: DX: ☐eCl@ss / ☐FMI / ☐IDX / ☒PDF / ☒ReqIF / ☒STEP / ☐VEC / Others: ISO

	10303 (AP239, AP214, AP203, AP242, AP233, PDM Schema), XML, OpenXML

Details of Self-Assessment
The following chapters summarize the results of the CPO-related self-assessment of Eurostep Group AB with regard to Share-A-space.

1.1 CPO Chapter 2.1: Interoperability

APIs have the following standard language bindings:

> The Share-A-space® software development kit (SDK) is based on C# and distributed as a set of Nuget (http://www.nuget.org/) packages. The extensible areas ranges from custom REST API services to data mapping and client development.

Remark: If detailed information with regard to bindings are not given (e.g. C++, instead of C++11 (ISO/IEC 14882:2011), maybe additional clarification efforts arise.

1.2 CPO Chapter 2.2: Infrastructure

Supported platforms (hardware and OS) are:

> Eurostep supports deployment of the core Share-A-space® components on the Microsoft operating system. Integrations to other legacy systems can be hosted or deployed on other platforms provided they communicate using the standardized Share-A-space® Interfaces.

> Share-A-space® is supported on all major versions of the Windows platform. Preferred versions are communicated in the HW/SW specifications provided with the software

Remark: If detailed information with regard to platforms are not given (e.g. OS Version and Service Pack), maybe additional clarification efforts arise.

1.3 CPO Chapter 2.5: Standards

Supported data exchange formats:

> ISO 10303-203

> ISO 10303-214

> PDM Schema

> ISO 10303-239 ed1 Product Life Cycle Support

>> OASIS PLCS "Product Life Cycle Support Version 1.0"

>> PLCS DEX1AD - Aerospace and Defense Product Breakdown for Support

>> PLCS DEX3AD - Aerospace and Defense Task Set

> ISO 10303-242 ed1 Business Object Model

> ISO 10303-233

> MIL-STD-1388-2B

Remark: If detailed information with regard to name and version (e.g. STEP AP 214 (ISO 10303-214:2010)), considered Implementation Guidelines (e.g. CAx-IF Recommended Practices) and potential participation in related Implementor Forums (e.g. CAx-IF) are not given, maybe additional clarification efforts arise.

1.4 CPO Chapter 2.6: Architecture

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

> Share-A-space® is built on modern technology and standards according to the thinking around cloud based architectures with independent roles that make up a complete system.

> Full Share-A-space® documentation including deployment architecture is available to partners and IT Customers with a signed license agreement.

> Share-A-space® has an n-tier architecture of independent components, where all components can be distributed to any number of machines in order to maximize flexibility and scalability of the

complete system.

1.5 CPO Chapter 2.7: Partnership

1.5.1 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 ☐

Share-A-space® is in its core based on an international information standard and is provided with standard interfaces. A list of supported standards are is provided as part of this CPO Statement.

1.5.2 Partnership Models

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

Eurostep has an extensive partner program that enable third-party companies to act as solution providers for a complete Share-A-space® system

1.5.3 Support of User and Innovation Groups

Supported groups are:

Please provide names and, if available, related URLs to the homepages of the groups

Eurostep support any initiatives around developing new applications on top of the Share-A-space® platform and run annual Share-A-space® Forums to promote these and share the latest information with Share-A-space® community.

Information on when and where the Share-A-space® Forums are run during 2015 can be found on www.eurostep.com.

1.6 Additional Information

Statements concerning CPO Chapter 2.3 "Extensibility" and Chapter 2.4 "Interfaces" can be noted here. For example, statements concerning "Development Environments", "Third-party Integration", "Version and Release Compatibility", possibilities for "Batch Processing" and "Cancellation".

2.3 Exensibility

The core philosophy with Share-A-space® is that it extends and leverages the complete PLM environment by consolidating the information from several best-of-breed systems. This approach means that you extend the platform with business processes, authoring tools and consumer applications on top of a consolidated standards based information set.

The core data model of Share-A-space® is based on a standard and cannot be altered. This is to ensure that data stored in Share-A-space® can always be communicated using the standard interfaces. However, on top of this standard model the IT Customer can build business object models using the building blocks of the standard model and tailor the processes and user interfaces of the OOTB Share-A-space®. All required tools, APIs and documentation for developing such customizations are provided using Nuget-packages, to simplify the process for IT Customers and third party providers.

IT Customers are free to choose who will provide their extensions to Share-A-space® as long as they have a signed license agreement with Eurostep. All IT Customers with a signed M&U agreement also have the right to post change requests as well as receive all new versions of the core software.

2.4 Interfaces

Interfacing to other IT systems and integrating the information found in those IT systems is a core feature of Share-A-space®. Hence Interfaces as such are a major part of the complete solution to the IT Customer. Share-A-space® is provided with standard interfaces and documented

accordingly, enabling the IT customers to standardize their communication with partners and suppliers.