

CPO Statement of enso managers gmbh

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	ReqIF Server
Product Version	0.91
Contact	Dr. Oskar v. Dungern od@enso-managers.com

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

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1 Executive Summary

Company Name:	Enso managers gmbh	Contact Person:	Oskar von Dungern
Product Name:	ReqIF Server		
CPO Term	Fulfilled (100%)	Comments because of deviations	
2.1 Interoperability	<input checked="" type="checkbox"/>	Full access to user data is given	
2.2 Infrastructure	<input checked="" type="checkbox"/>	Standard and widely used infrastructure	
2.3 Extensibility	<input checked="" type="checkbox"/>	There are various possibilities to extend the product	
2.4 Interfaces	<input checked="" type="checkbox"/>	Interfaces are documented; tutorials and examples are detailed and improved over time.	
2.5 Standards	<input checked="" type="checkbox"/>	Relevant standards and industry best-practices are respected.	
2.6 Architecture	<input checked="" type="checkbox"/>	The product has a standard 3-tier architecture for standard infrastructures.	
2.7 Partnership	<input checked="" type="checkbox"/>	Partnerships are welcome – and are already in place in several cases.	
List of inherent supported neutral standards	API: <input type="checkbox"/> C/C++ / <input type="checkbox"/> Java / <input type="checkbox"/> .NET / <input checked="" type="checkbox"/> Web Services / Others: Please provide, if desired 3D: <input type="checkbox"/> IGES / <input type="checkbox"/> JT / <input type="checkbox"/> STL / <input type="checkbox"/> STEP / <input type="checkbox"/> VRML / Others: Please provide, if desired DX: <input type="checkbox"/> eCl@ss / <input type="checkbox"/> FMI / <input type="checkbox"/> IDX / <input type="checkbox"/> PDF / <input checked="" type="checkbox"/> ReqIF / <input type="checkbox"/> STEP / <input type="checkbox"/> VEC For details, see		

2 Details of Self-Assessment

The following chapters summarize the results of the CPO-related self-assessment of enso managers gmbh with regard to ReqIF Server.

2.1 CPO Chapter 2.1: Interoperability

APIs have the following standard language bindings:

Full access to user data is given via standard ReqIF files or web-services. Interfaces are available and documented.

Standard language bindings for accessing REST web-services can be used. Thus, any language can be used to interface or extend the product; there is no need for any special bindings.

Nevertheless, simplifying web-service access libraries for Java and Javascript are available from enso managers or our partners.

The architecture follows the principles of a [‘Service oriented Architecture’](#).

2.2 CPO Chapter 2.2: Infrastructure

Supported platforms (hardware and OS) are:

The product has been engineered for standard and widely used infrastructure (operating system, database and web application server).

Please consult the [data-sheet](#).

2.3 CPO Chapter 2.5: Standards

Supported data exchange formats:

RIF 1.1a, RIF 1.2 and OMG ReqIF in all revisions are supported for import and export.

Relevant standards and industry best-practices are respected, in particular web-standards from W3C and OMG.

Please consult the product’s [data-sheet](#).

2.4 CPO Chapter 2.6: Architecture

The IT system’s architecture is conforming CPO 2.6 Yes / No

The product has a standard 3-tier architecture. All tiers can be installed on different servers and under control of different administration teams. Customers can develop their own user interfaces (GUI) using a technology of their choice using the product’s REST web-services API.

Main concepts from user perspective can be found at:

- [Technical Aspects](#)
- [Service Oriented Architecture](#)

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

‘Product Partners’ develop and market their own products based on the ReqIF Server and with our

support.

'Service Partners' help customers to install solutions including the ReqIF Server and to introduce it in the customer's organization.

2.5.3 Support of User and Innovation Groups

Supported groups are:

No user groups have been established, yet. Individual contact is maintained with prospects and customers. An online system to submit enhancement requests and bugs is in place.

2.6 Additional Information

2.3 Extensibility: There are various possibilities to extend the product's function without changing the product itself. Buildtime environment and tools for extending the product are available on request, if so desired. A change-request system is in place for customers.

2.4 Interfaces: Interfaces are documented; tutorials and examples are detailed and improved over time. The '[semantic versioning scheme](#)' is being used to signify compatibility issues. Between major versions, any change to the interfaces are designed such that compatibility of existing clients is respected.

More detailed information is given in the original [CPO Fulfillment Report for the ReqIF Server Product](#).