



# Fact Sheet

SophisTex Developer Framework

## SAP Product Lifecycle Management Product Structure Management

Version 1.0

2014-10-08

# Document History

<b>Release Date</b>	<b>Comment</b>
<b>2014-10-08</b>	Released for Customer

# Glossary

<b>Abbreviation</b>	<b>Description</b>
<b>SAP PLM</b>	SAP Product Lifecycle Management
<b>SPI</b>	Service Provider Infrastructure
<b>SAP PSM</b>	SAP Product Structure Management

DOCUMENT HISTORY ..... 2

GLOSSARY..... 2

1. OVERVIEW ..... 4

1.1. Solution Purpose ..... 4

1.2. Solution Scope ..... 4

2. FUNCTIONALITY LIST ..... 5

3. SYSTEM ARCHITECTURE ..... 5

4. REQUIRED SOFTWARE COMPONENTS ..... 6

5. DELIVERABLES..... 6

# 1. Overview

## 1.1. Solution Purpose

The Developer Framework for SAP Product Lifecycle Management (PLM) Product Structure Management (PSM) enables developments using PSM specific functionality without taking care of the specific PLM 7.02 architecture and without calling Service-Provider-Infrastructure (SPI) functionality.

The framework ensures that all functionality provided is compliant to the SAP PLM 7.02 WebUI as a foundation for SAP PLM 7.

Compared to directly calling SAP PLM standard methods (Business Objects, SPI Metadata, SPI Service Provider, WebUI FPM Connector), the SAP PLM PSM Development Framework considerably reduces complexity and implementation effort.

## 1.2. Solution Scope

The Developer Framework offers possibility to create and maintain Product Structures and all included sub components such as Nodes, Variants, Relations and Alternatives.

Additionally, classification data (classes and characteristic values) and documents can be maintained for objects of the Product Structure.

Simplifications and additional functionality in PSM handling are delivered with the Developer Framework.

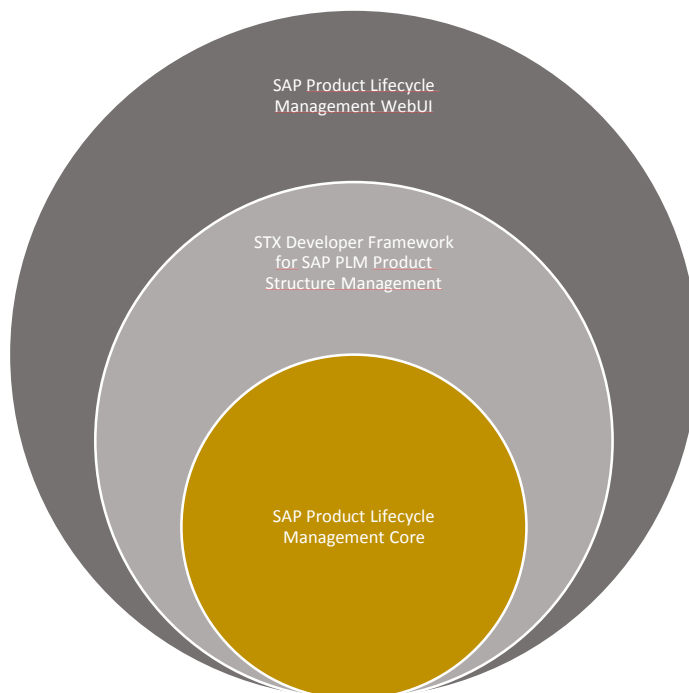
## 2. Functionality List

Functionality based on the SAP PLM Product Structure Management:

1. Supports the generic customizing driven approach of SAP Product Structure Management with all objects (Nodes, Variants, Relations, Alternatives)
2. Read basic data of PSM objects
3. Maintain basic data of PSM objects
4. Read and maintain Classification data (characteristics & classes)
5. Read and maintain Document links
6. Create Product Structures over all PSM object levels step by step based on rules and conditions. Acts as precondition for a lean product structure creation based on a UI Wizard (available with SophisTex PSM+ Functional solution)
7. Explode Product Structures in different flavours over all levels with simple conditions
8. Service functions working with Product Structures (e.g. filter explosion results)
9. Compare two Product Structures and retrieve similar and different items
10. Sophisticated buffer mechanism for best performance results

## 3. System Architecture

The developer framework for SAP PLM Product Structure Management uses SAP PLM standard functionality as well as enhanced functionality based on it. Developers are able to compose new functionality or simply use the provided functionality in the WebUI.



## 4. Required Software Components

Software Component	Release	Service Pack Level
EA-APPL	606	
PLMWUI	7.02	>= 05

## 5. Deliverables

The Developer Framework for SAP PLM Product Structure Management is delivered with a technical documentation about the included functionality. Developers who are new in SAP PLM topics can start quickly to develop and compose functionality within customer-specific projects.

Furthermore, examples and code-snippets are delivered to quickly start developing without experience in SAP PLM.

The complete implementation in the Development Framework for SAP PLM Product Structure Management is commented in detail in the coding.