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Glossary for the Joint use of SAP S/4HANA and Siemens Teamcenter

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This glossary provides definitions for terms related to PLM system integration for SAP S/4HANA and Siemens Teamcenter.

Note

You can find a comprehensive glossary for Siemens Teamcenter on the [Siemens Support Center](#) website: Search for your version of Siemens Teamcenter: ► [Teamcenter](#) ► [Teamcenter Glossary](#) . Also, several technical guides provided by Siemens include a glossary section, for example:

- Teamcenter Gateway for PLM system integration by SAP - Active Workspace Add-ons Installation and Setup Guide
- Teamcenter Gateway for PLM system integration by SAP - Installation Guide
- Teamcenter Gateway for PLM system integration by SAP - Basic Configuration Guide

Term Mapping SAP System to SAP Teamcenter by Siemens

SAP Term	SAP Definition	References in Siemens Teamcenter System
aligned attribute	A defined set of attributes that are common between the SAP and the external PLM system for a certain business entity and independent of system, domain, and process.	-
bill of material (BOM)	A complete, structured list of the components that make up an object. The list contains the description, the quantity, and unit of measure. The components are referred to as items.	bill of material (BOM)
routing	A list of the operations and steps in a manufacturing process along with all their instructions, for example, consumed materials, resources, workplaces, and machines.	bill of process (BOP)
CAD indicator	An indicator that shows that an object (for example, a document) was created or changed in a CAD system.	-

SAP Term	SAP Definition	References in Siemens Teamcenter System
change notice/change order (represented as change master or change record in the SAP system)	An object containing a number of instructions to make changes to objects from the areas of engineering or production. It defines the conditions for the change and specifies the status.	change notice
change number (ChangeNumber)	A number that is assigned to a business entity that tracks the status and maturity of a change process	
change object (ChangeObject)	A business entity of the Meta Domain Model that represents a version of a change entity	-
component ID	Identifier that controls the update logic within the target system, for example, for a structure version.	-
configuration scenario	Set of business configurations for PLM system integration, that are used for different integration scenarios, for example, different source systems or releases	-
consistency check	A subobject that is used to identify environment errors that occur during data transfer.	-
content type	A type of content, examples include component specification, assembly specification, general drawing, work instruction, and so on	-
customer order item (CustomerOrderItem)	A business entity of the Meta Domain Model that represents an item in a customer order. In the SAP system, a customer order item (COI) is mapped to a sales order item.	order line item
customer order item product structure (CustomerOrderItemProductStructure)	A business entity of the Meta Domain Model that represents a product structure which contains one or more customer order items. In the SAP system, a customer order item product structure (COIPS) is mapped to a sales order BOM.	product structure of order line item
data federation	A functionality that enables an external PLM system to show data of the integrated SAP system for certain business objects, in order to access business-critical data in the context of a leading object.	data federation
document version (DocumentVersion)	A business entity of the Meta Domain Model that represents an SAP document info record version.	Example: document revision

SAP Term	SAP Definition	References in Siemens Teamcenter System
effectivity	Date (valid from) or unit (serial number, solution) effectivity to define the precise conditions under which a business entity is valid	-
engineering bill of materials (EBOM)	Defines how the product is designed. It reflects the engineering view of a bill of material.	engineering bill of materials (EBOM)
engineering change number (ECN)	A number that uniquely identifies a change master record. All changes made with reference to a change number are controlled and logged by the change master record.	engineering change number
engineering change order	A set of instructions to make changes to a number of engineering objects. It defines the conditions under which these changes become effective and specifies the release status of these.	engineering change order
engineering change request (ECR)	Initiates proposals that recommend changes and capture business decisions associated with the change	engineering change request (ECR)
extension field	A field that allows the exchange of additional information from one domain to another and supports exchanging additional sets of information	-
logical instance	An ID that identifies an instance in the external system or the SAP system in a unique way across the system landscape.	logical instance
manufacturing reference structure (MRS)	A separate hierarchy of information that can be linked to the BOM hierarchy to provide additional contextual information for BOM components during production processes.	view structure version (VSV)
maturity	Describes a specific phase, milestone, or stage within a product/assembly/component lifecycle	-
Meta Domain Model	The data model of PLM system integration. It helps to reduce the level of complexity when integrating an SAP system with an external PLM system and translates and standardizes the integration between the two systems.	-



SAP Term	SAP Definition	References in Siemens Teamcenter System
model unit effectivity (MUE) or unitized parameter effectivity	A unique method that is applied to control the effectivity of structure version components or POL operations. It is used in complex assemblies in order to provide specific variations for a limited number of end items. MUE is a special form of the more generic parameter effectivity.	unit (number) effectivity
production operation list (ProductionOperationList)	A list of steps required to produce a component or assemble a product. The list includes operations, machines and tools that are required to produce a product or product version. The POL is used to create a routing in the ERP system.	for example, process revision
product version (ProductVersion)	A business entity of the Meta Domain Model that represents a version of a product/material	for example, item/part revision
scenario version	Dataset that outlines evolutionary increments of a scenario. There are no dependencies between the different scenario versions.	-
status	Describes the state of a business entity. The status controls if a business entity is released, in work, obsolete.	-
structure version (StructureVersion)	A business entity of the Meta Domain Model that represents a version of a structure	for example, BVR revision

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