

Teamcenter for Content Management

Managing the definition and publication of technical product documentation in a common, open environment

fact sheet

Siemens PLM Software

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► Summary

Teamcenter® Content Management software capabilities provide a dynamic solution for automating the activities associated with assembling and publishing of product and/or service information in multiple languages and delivery formats. By combining Content Management with SGML/XML capabilities, you can leverage Teamcenter – the world's leading digital lifecycle management software solution and de facto standard for deploying product lifecycle management (PLM) initiatives – to manage your product definitions and create/publish highly accurate, customer-friendly support documents through a smarter and faster publication process.

Benefits

Improves productivity making use of SGML/XML to rapidly publish multiple product variant documents through configuration, revision, and option control.

Improves product launch success through a single source of product information supporting concurrent engineering and documentation development processes and communication to keep launch efforts in sync.

Reduces translation costs for global publications by allowing document/publication component re-use and tracking translations work and content to minimize errors and delays.

Reduces documentation costs by supporting reuse and management of content components at an efficient level as well as supporting different delivery formats for the same content.

Teamcenter's Content Management solution enables product makers to streamline the technical publication process by providing a foundation for dynamic publishing. You can combine Content Management with SGML/XML applications to automate the processes associated with authoring, assembling and publishing product- and service-related documents in multiple languages and output formats.

In an ideal world, you should be able to develop your technical documents in concert with your product development process. Unfortunately, all too often, technical publishing groups are unable to produce a document's copy and graphics until the product is almost complete and, in some cases, not until after release.

This serial process can cause companies to release their products to market without proper documentation or, as is more often the case, delay the product launch all together.

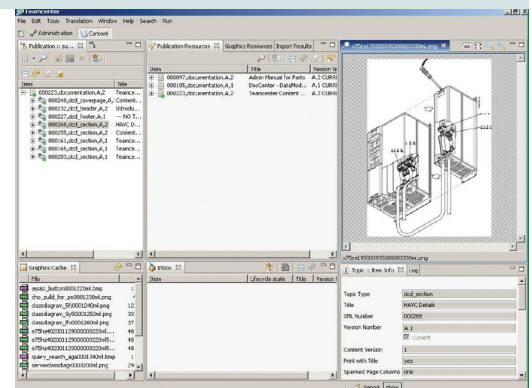
Facilitating seamless product and publication definition

Teamcenter-based Content Management addresses issues traditionally associated with the technical publications process, including concerns that the process:

- Takes too much time to generate documents
- Has difficulty incorporating engineering changes
- Does not enable effective re-use of content in multiple documents

In today's knowledge-based economy, companies are driven to meet customer demands for product and service information that is highly accurate, relevant and consistently up-to-date.

Content Management eliminates the repetitive, error-prone processes normally associated with developing technical publications. It is adept at enabling product teams to create, manage and publish vast amounts of technical systems information in sync.



Features

Managing document content

- Document components at appropriate level of granularity for management and re-use
- Document structures similar to Bill of Material can be linked to BOM

Copy and clone capability

- Clone or reference existing topics to build document trees
- Clone or reference within authoring tool
- Clone or reference topics or structures

Search capability

- Where-used
- Full metadata and full text search of content or graphics
- Saved and ad hoc queries

Change management

- Version (document release)
- Sequence (interim edits)
- Content-level (relation or source to translated content)

Translation

- Management of content for all languages
- Translation matrix to track translation task status and content
- Translation orders and workflows to manage internal or external translation work assignments at any document level
- Receive and import translations automatically
- No limit on number of languages
- Publish content into required languages

Editing

- View XML tag attributes anywhere
- Easily search and add graphics
- Configurable lifecycle states to control release at different stages of document development

Graphics

- Manages multiple formats and languages to support target output (web, PDF, etc.)

When it is time to publish a document, you can use Content Management to facilitate dynamic publishing by populating the stylesheet with content based on configuration, revision or effectivity considerations. Because the document's content is separated from the format defined by the stylesheet, you can easily "render" the same document for print, web or interactive electronic technical manuals (IETMs).

Content Management also makes it easier to publish these documents in multiple languages for each required output format. You can use Content Management to author and publish:

Product manuals

- User and owner manuals
- Parts and product catalogs

Work instructions

- Manufacturing process sheets
- Assembly/disassembly instructions
- MRO logistics support documents
- Service and repair manuals

General documents

- Resource descriptions
- Costing and estimating documents
- Product labels

Underlying concepts

Teamcenter's Content Management allows you to manage your product development processes and publication support processes in the same, single environment with common product knowledge available to the entire team.

The Content Management solution creates a close connection between source content and the resulting documentation. This associativity enables Teamcenter to manage the relationship between a part or assembly definition (e.g., CAD data) and associated illustrations that appear in technical documents.

Content Management will provide the means to maintain the "recipe" (visibility, orientation and explode distances) used to create these illustrations. As a result, if a definition change occurs, Teamcenter will update the illustration (with little or no human intervention) and identify where the illustration is used. Subsequently, authorized users can evaluate the impact of that change and accept or reject it as appropriate.

Content Management is an open solution that supports any SGML/XML authoring system. It also supports industry leading publishing engines to facilitate publishing in multiple output formats.

Use cases

By splitting documents into reusable components that are big enough to justify their continued management (yet small enough to be reused in multiple instances), teams can establish a single source of information that they can use to update multiple documents. Multiple authors is the other key driver of the level of component management.

In this scenario, you can access the single source to make a change to a single component that subsequently can be applied to multiple documents all at once. This practice is especially valuable for ensuring information integrity and accuracy. The single source reduces translation cost by enabling you to limit translation requests only to those components that have changed – and then reusing these translated components in multiple documents.

Automating key documentation processes. Teamcenter's workflow capabilities enable document teams to speed their review/approval processes, optimize their change processes and trigger audience-specific publication processes. Teamcenter-driven workflows enable companies to publish and deliver the right information to the right audience at the right stage in the product lifecycle.

Features continued*Ease of use*

- Drag and drop topics to build documents
- Real-time access to topic metadata
- Built-in graphics viewer
- Built-in preview and publish preview
- Document structure navigation at single or multiple levels with simple click
- Drag-and-drop relating between stylesheets and DTDs simplifies setup and registration of document types
- Graphic workflow development and viewing

Document teams can leverage Teamcenter's change management capabilities to ensure that product changes are executed through standardized best practices. In addition, Teamcenter-driven workflows can automatically initiate processes that deliver audience-specific publications in their appropriate formats.

Integrated total product development

Teamcenter's source of product knowledge brings product engineering and documentation teams together in an environment where change can be captured and communicated to all stakeholders of a product launch. Engineering changes can be identified immediately and some content such as graphics can be generated and incorporated into publications automatically.

Please contact your Siemens PLM Software representative for more information on how Teamcenter Content Management can increase re-use, reduce errors and substantially increase productivity in your document publishing process.

**Contact**

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