



ENOVIA CPG Accelerator **for Global Specification Management**

Product Overview

With ENOVIA® CPG Accelerator™ for Global Specification Management, research and development (R&D) can define any kind of CPG product specification and bill-of-specification (BOS) including, but not limited to, formula, raw material, packaging components and work instructions. Its specification development and change management processes have been specifically designed to ensure all impacted stakeholders throughout even the most complex of CPG organizations are kept informed and given an opportunity to review the specification before its release. As a result, CPG companies are able to bring products to market faster while maximizing reuse of common specifications to reduce costs.

Many global companies face the basic problem of enabling their employees to locate the master definition of a product – or a “single version of the truth.” This is due to the deployment of multiple systems that manage the product specification needs of various regions or markets even if they are selling the same types of products. These multiple systems result in duplicate work by design teams creating new products with slightly different, but similar ingredients, instead of leveraging work previously done. Consequently, companies miss opportunities for large volume discounts on purchased raw materials, which result in higher development costs. ENOVIA CPG Accelerator for Global Specification Management provides the ability for companies to manage product specifications as structured documents. Specification templates define the specification’s content, formatting and access rights. Templates can be global, regional or local. Regional and local templates can be spawned from this global definition. These child templates inherit parameters from their global definition including some attributes with preset values to ensure consistency.

ENOVIA Specification Central has helped global CPG companies reduce costs substantially by enabling economies of scale through specification and supplier rationalization. By consolidating specification and supplier data into a “single version of the truth,” companies are able to quickly identify procurement redundancies and leverage their supply chain.

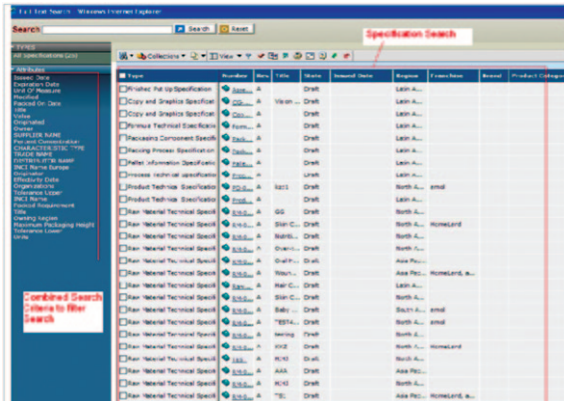
Key Customer Benefits

- **Deliver Market-Leading Products**
Remove isolated documents/data systems used for product development with a single, global, and validated process-driven system of record
- **Lower Raw Material Costs**
Push global material specifications and standards across Brands, Regions and Categories to create economies of scale that drive costs down and margins up
- **Reduce Cycle Time**
Focus early in the product development processes to positively impact downstream decisions and performance related to product development calendars, material trends, cost, and quality decisions
- **Increase Quality of Product**
Improve first-time quality and reduce the likelihood of product recalls.
- **Enable Collaboration with Extended Supply Chain**
Eliminate costly errors resulting from miscommunication with suppliers, reduce re-work and drive specification standards in early materials design process
- **Keep the Global Organization Informed**
Proactively inform users of changes to specifications through content subscriptions
- **Enforce Regulatory Compliance**
Ensure that due diligence is performed on all specification development and modification initiatives with electronic routing and signature capture
- **Standardize Specification Data and Work Processes**
Drive consistency of process and provide relevant metrics to measure the effectiveness of work processes over time with specification and workflow templates

Product Highlights

Specification Templates

Templates drive standards throughout the enterprise by driving the format and definition of all new product specifications. Specification Templates enable companies to set attributes at a global, regional or local level; define attributes and/or sections as “mandatory” versus “optional,” and specify whether rendered PDFs from the template can be viewed internally and/or externally. Specification Templates are also under change control. The change process allows the enterprise to notify all derived product specifications of the change, allowing the product specification owners to make informed decisions.



Structured Specifications

Each specification consists of individual data attributes. This structure enables companies to standardize product data across their enterprise and enables specification data to be transferred to other systems without re-entry — eliminating costly errors. Other data-rich relationships supported include characteristics, ingredients, packaging assemblies and formula assemblies. Specification characteristics provide detailed product data and units of measure. Users can associate to product specifications relevant compliance documents, such as test methods, material safety data sheets for raw materials, and manufacturing instructions for process specifications.

Specification Change Process

A streamlined specification change order (SCO) process ensures that all necessary reviews and approvals (with complete histories) expedite specification changes quickly and efficiently. As part of the formal SCO approval review process, approver lists are available to every organization. Additionally, SCOs can be sent for an optional peer review, which allows co-workers to comment on the specifications. Once issued, specifications are automatically distributed to all users that need to be updated.

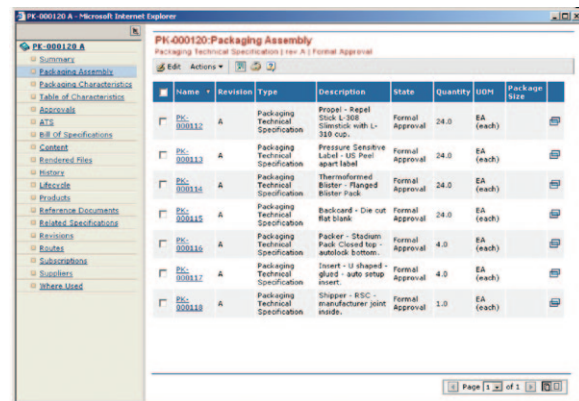
Search, View, Print and Subscribe

Users can search for issued specifications by number or attributes through a powerful full-text search of a specification’s metadata and/or file. Several specifications can be compared at once with differences highlighted on the screen. The comparison traverses the characteristic structures of each specification to highlight even the most granular of differences. Viewer integrations enable the nondestructive view and mark-up of native documents, providing on-line collaboration capabilities with real-time synchronization.

To track certain specifications, users can subscribe for automatic notification of any changes. All specifications are presented on-line to the user as compound documents. This virtual document, or SpecView, shows all information defined in the specification, including attributes, characteristic tables, approvals, revision history, related specifications and file content for legacy document support. Finally, the specification can be rendered into a PDF for both external and/or internal users.

Support Organizational and Regional Differences

Companies can manage product specifications globally or according to business unit and region, which allows companies to include global teams in the review and approval process. This review and approval process includes electronic signatures that comply with United States FDA (Food and Drug Administration) Part 11 guidelines for audit trails and authentication. Efficient global, regional and local product specification distribution is also a key benefit.



Dynamic Approval Matrix

CPG companies have complex organizational charts focused on their worldwide brands. A dynamic approval matrix is used to ensure that all necessary approvals throughout the CPG organization are obtained as part of a specification’s release process. Approval matrix templates can be pre-configured for each specification type and the approvals that are required from the roles and responsible organizations. The approver list is dynamically generated for a specification and routed for approval. The approval matrix templates are configured by compliance/regulatory business users.

Dynamic Notification List

Specification subscriptions allow users to be notified of specification changes. Subscriptions can be made for individual specifications or for all specifications from the responsible organization. Email notifications are sent when specifications are at the Approval stage in order to prepare users throughout the organization of the upcoming changes. This gives complete visibility to key stakeholders at a business unit level so that they understand the impacts of change to complete products or production lines. This results in more effective planning and reduction of downtime when changing materials or components.

Supplier Management and External Supplier

ENOVIA CPG Accelerator for Global Specification Management can be used to manage data from the CPG supply chain such as Trade Name, Distributors and Manufacturing Locations on raw material and packaging specifications. Search capabilities can locate specifications by Supplier and/or Trade Name information. In addition, CPG companies can collaborate with the responsible supplier during the specification creation and review process.

Ingredient Management

Ingredient information (along with CAS, Chemical Abstracts Service, and EINECS, European Inventory of Existing Chemical Substances, information) propagates from raw material to formula specifications and ingredient decomposition in the product specifications. Users are able to search for specifications by ingredient information.

Date Management

Ensuring that outdated specifications are not used during CPG product development is essential for complying with government regulations. ENOVIA CPG Accelerator for Global Specification Management has comprehensive date management capabilities to manage specification expiration based on the specification category – permanent or experimental. In addition, companies can choose to enforce periodic reviews of certain specification

types in order to ensure that the most up to date information is included. Each specification has an effectivity, expiration and review date that allows oversight of potential business and compliance implications.

Bill of Specifications (BOS)

The BOS relationship connectivity rules enable product change management impact and specification dependencies. These rules enforce mandatory linkage of SOP (Standard Operating Procedure) or dependent specifications for regulatory purposes. Configurable business rules are defined to maintain a standard and consistent BOS hierarchy between parent and child specifications. In addition, configurable business rules control copying specification between BOS hierarchies. Related organizations are inherited by child specifications upon approval and changed when modified in the structure.

The role of ENOVIA V6 and PLM 2.0

ENOVIA CPG Accelerator for Global Specification Management supports PLM 2.0, product lifecycle management online for everyone, and the ENOVIA V6 values: global collaboration innovation, single PLM platform for intellectual property (IP) management, online creation and collaboration, ready to use PLM business processes, and lower cost of ownership.



About Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 115,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance to recycling. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product — SolidWorks for 3D mechanical design — DELMIA for virtual production — SIMULIA for virtual testing — ENOVIA for global collaborative lifecycle management, and 3DVIA for online 3D lifelike experiences. Dassault Systèmes' shares are listed on Euronext Paris (#13065, DSY.PA) and Dassault Systèmes' ADRs may be traded on the US Over-The-Counter (OTC) market (DASTY). For more information, visit 3ds.com.

About ENOVIA

ENOVIA is the recognized leader in delivering collaborative PLM solutions. We enable companies from a broad range of industries to dramatically accelerate innovation, time-to-market and revenue generation by collaboratively developing, building and managing products. Our solutions facilitate the sharing of concepts, content and context across product lifecycles and throughout value chains of employees, customers, suppliers and partners.

ENOVIA collaborative PLM solutions help global enterprises bring together people, processes, content and systems to achieve a compelling competitive advantage. Our interoperable solutions unify and streamline processes across the product lifecycle, enabling companies to easily and cost-effectively work on projects within and outside of their enterprises. Our adaptable, scalable technology is built to accommodate the ever-changing marketplace. For more information, visit enovia.com.



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