



ENOVIA X-BOM Component Reuse

Product Objective

ENOVIA® X-BOM Component Reuse enables companies to eliminate the barriers between component management and product engineering by providing seamless access to the rich information managed in the ENOVIA® Collaborative Enterprise Sourcing V5 (CES) component library or ENOVIA® Component Central™ V6 while defining the engineering bill-of-material (EBOM).

Product Overview

With ENOVIA X-BOM Component Reuse, “design anywhere, build anywhere” business challenges are addressed with improved collaboration between component management and product development teams. While building product bills-of-material (BOMs), engineers ensure that the parts chosen are right the first time by accessing the approved, qualified and preferred components based on location, plant, product, and/or program. In addition, engineering can improve part re-use by promoting the custom parts it has designed to the centralized component database to allow other product programs access to these parts.

Product Highlights

Powerful Search Capabilities

ENOVIA X-BOM Component Reuse provides powerful context sensitive search capabilities for designers and engineers. Users can easily navigate the classification tree to select the right category to search in, select a form that contains the right set of attributes specific to that category and view the results. Users can enter search criteria quickly and error-free by choosing predefined enumerated values or range values rather than manually typing. The search results show a fully cross-referenced view of parts including manufacturer and supplier information.

Evaluate Components for the EBOM

ENOVIA X-BOM Component Reuse enables users to quickly locate components they intend to use in their design by optionally organizing search results based on classification categories. This simplifies the component selection process. Users can further evaluate components and make more informed decisions by accessing detailed manufacturer, supplier, and sourcing attributes (e.g. lead-time, minimum order quantity, and packaging), accessories (e.g. connectors for a PCB, belts for a motor), and alternate parts and preferences. Pricing information to locate the lowest price for a supplier/manufacturer item is also available. Users can then select a component from the search results and add it into the EBOM.

Generate AVL Report

Users can generate an approved vendor list (AVL) report that shows the fully cross referenced view of components in ENOVIA CES V5 or ENOVIA Component Central V6 including manufacturer and supplier info.

Key Customer Benefits

- Build products right the first time by using qualified, approved and preferred components
- Reduce standard part proliferation by leveraging a centralized component management system
- Improve part re-use across product programs by adding custom parts to the component library



New Component Introduction

ENOVIA X-BOM Component Reuse provides the ability to easily share components with other product programs in the company. Through a "New Component Introduction" wizard, custom parts can be easily introduced from ENOVIA® Engineering Central™ into ENOVIA® CES V5 or ENOVIA® Component Central™ V6 or vice versa enabling extensive reuse of components. Since project information is retained through the introduction process, components can be easily located for future reuse.

Role Based Access to Item Information

Access to categories displayed in the item details page can be controlled through the sourcing administrator setting access to certain categories based on the user role and access privileges. For example, an administrator can restrict any design engineer from having access to pricing information or alternate parts.

Map Data with ENOVIA Engineering Central

Manufacturer Items (MI) in ENOVIA CES V5 or ENOVIA Component Central V6 are mapped with the Manufacturer Equivalent Part (MEP) in ENOVIA Engineering Central V6. With this capability, users can take advantage of the component catalog provided by ENOVIA CES V5 or ENOVIA Component Central V6, while maintaining the qualification of parts in the engineering system. This also enables other ENOVIA applications such as ENOVIA® X-BOM Manufacturing or ENOVIA® Materials Compliance Central™ to use the MEPs created as part of mapping.

The Role of ENOVIA V6 and PLM 2.0

ENOVIA X-BOM Component Reuse supports PLM 2.0, product lifecycle management online for everyone, and the ENOVIA V6 values: global collaborative 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 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.

About Dassault Systèmes

As world leader in 3D and Product Lifecycle Management (PLM) solutions, the Dassault Systèmes group brings value to more than 90,000 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 life cycle of products from conception to maintenance. Our offering includes integrated PLM solutions for product development (CATIA®, DELMIA®, ENOVIA®, SMARTEAM®), mainstream product 3D design tools (SolidWorks®), 3D components (Spatial/ACIS®) and SIMULIA®, DS' open scientific platform for realistic simulation. Dassault Systèmes is listed on the Euronext Paris (#13065, DSY.PA) stock exchange. For more information, visit 3ds.com.



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