



ENOVIA X-BOM Materials Compliance™

ENOVIA X-BOM Materials Compliance is an eco-design (Design for the Environment) solution that allows product engineers to view environmental compliance of products, components, and supplied parts. Designers can quickly determine if components meet all the compliance standards and substance thresholds necessary for making changes early in the design process. The net result is delivering innovative and environmentally compliant products that meet global market demands.

ENOVIA X-BOM Materials Compliance exposes compliance information directly in ENOVIA Engineering Central so product engineers can create environmentally friendly products. Reports are available to compare the compliance of manufacturing equivalents, list recyclable content, or evaluate best and worst case manufacturing location scenarios. This provides critical information to product engineers when making choices based on the customer and/or market requirements that new products must meet. Product engineers can:

- Immediately execute a roll up of design changes to determine the impact on the overall product compliance.
- Selectively exclude components such as packaging and process-related parts that do not impact the overall product compliance.
- Create reports that summarize compliance information such as unreported parts, compliance to various industry directives, best/worst case analysis, and recycled content.

Product Highlights

Compliance Display in the Bill-of-Materials

As product engineers use ENOVIA Engineering Central to navigate the bill of materials and build product designs, calculated compliance values are exposed. Compliance information is accessible in part search results, engineering bill of materials reports, alternative parts listings, and manufacturer equivalent part summaries.

Enable/Disable Components for Materials Compliance

Product engineers can selectively enable or disable component parts for materials compliance. When enabled, the component's compliance values are calculated and rolled up in the engineering bill of materials (EBOM) to compute product compliance. Engineers can disable component parts that are exempt for product compliance such as packaging and process-related parts so that they are not included in the calculations and do not influence the overall product compliance.

Customer Benefits

With ENOVIA X-BOM Materials Compliance, you can:

- Analyze a product's compliance throughout the product development process
- Maximize the reuse of compliant components
- Create eco-friendly designs
- Immediately determine the impact of a design change on overall product compliance
- Make outsourcing decisions based on supplier part compliance
- Capture and execute ad-hoc project risks



Product Highlights (continued)

Roll Up

Product level compliance is marked out of date as design changes are made or component parts are enabled and disabled. Product engineers can recalculate compliance by rolling up the compliance of component parts in the EBOM to the product level.

Name	State	RoHS	JIG A	JIG B	Qty	U of M	Enable Materials Comp
GPS-MCC-75623							
BTN-200256	Release	Compliant	Compliant	Out of Date	1.0	EA (each)	Enabled
BTN-20057	Release	Compliant	Compliant	Out of Date	1.0	EA (each)	Enabled
BTN-20058	Release	Compliant	Compliant	Out of Date	1.0	EA (each)	Enabled
CP-30567	Release	Compliant	Compliant	Compliant	1.0	EA (each)	Enabled
CN-000100	Release	Compliant	Compliant	Compliant	1.0	EA (each)	Enabled
CN-000400	Release	Compliant	Compliant	Compliant	1.0	EA (each)	Enabled
HA-750356	Release	Compliant	Compliant	Compliant	1.0	EA (each)	Enabled
SCR-20021	Release	Compliant	Compliant	Compliant	1.0	EA (each)	Enabled
PCB-20756	Release	Out of Date	Out of Date	Out of Date	1.0	EA (each)	Enabled
SW-112233	Release	Out of Date	Out of Date	Out of Date	1.0	EA (each)	Enabled

Reports

Product engineers can invoke the following reports:

- Compliance – Displays a table of compliance to industry directives for every part in a product’s EBOM.
- Recycled Content – Summarizes the post-industrial and post-consumer recycled content in a product’s EBOM.

- Unreported Part – Displays the component and manufacturer equivalent parts that do not have reported compliance data.

- Best/Worst Case Analysis – Allows design engineers to view the compliance of the various manufacturer equivalent parts for components of a product’s EBOM.

The Role of ENOVIA V6 and PLM 2.0

ENOVIA X-BOM Materials Compliance 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.

Name	Rev	Type	Description	State	Enable Materials Compliance	RoHS	JIG A	JIG B
A-9000109-S1	1	Part		Preliminary	Enabled	Compliant	Compliant	Out of Date
A-9000101-S1	1	Part	text	Preliminary	Enabled	Compliant	Compliant	Out of Date
Class_P_EP1	1	Part	Class_P_EP1	Preliminary	Enabled	Compliant	Compliant	Out of Date
ECL_P1	Rev1	Part	ECL_P1	Preliminary		Compliant	Compliant	Out of Date
ECL_P2	Rev1	Part	ECL_P2	Preliminary		Compliant	Compliant	Out of Date
ECL_P3	Rev1	Part	ECL_P3	Preliminary		Compliant	Compliant	Out of Date
ECL_Part	C-10	Part	ECL_Part C-10	Preliminary		Compliant	Compliant	Out of Date
ECL_Part	C-3	Part	ECL_Part C-3	Preliminary		Compliant	Compliant	Out of Date
ECL_Part	C-2A	Part	ECL_Part C-2A	Preliminary		Compliant	Compliant	Out of Date
ECL_Part1	Rev1	Part	ECL_Part1	Preliminary		Compliant	Compliant	Out of Date
ECL_Part2	Rev1	Part	ECL_Part2	Preliminary		Compliant	Compliant	Out of Date
ECL_Part3	Rev1	Part	ECL_Part3	Preliminary		Compliant	Compliant	Out of Date

The RoHS and JIG table columns will have one of the following values:
 • Part is compliant to this compliance definition
 • Part is compliant with exemptions
 • Part is not compliant to this compliance definition
 • Part is unreported or contains unreported parts
 • Part's compliance is out of date and a roll up needs to be performed to bring it up to date
 NA - For "disabled" or "inert" parts (see Enable Compliance Listbox)

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

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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