



ENOVIA Materials Compliance Supplier Portal

Product Objective

ENOVIA® Materials Compliance Supplier Portal™ allows a company's suppliers to submit materials declarations. It comes with a simple Web user interface for suppliers to view their assigned material declaration requests, review the customer's reporting deadlines and upload completed material declarations. It also includes the "Compliance Connect" spreadsheet, which is an industry standard tool for data collection and certification of material composition of supplier parts.

Product Overview

A critical aspect of determining product compliance is gathering material declarations from the supply chain for outsourced parts in products. ENOVIA Materials Compliance Supplier Portal provides tools for compliance engineers to determine which outsourced parts are unreported, generate material declaration requests for these parts, and import material declarations once suppliers provide them.

ENOVIA Materials Compliance Supplier Portal is a standalone web application that facilitates the data collection process by providing a web site for suppliers to:

- Log in and view their material declaration requests
- Download parts in an industry-standard data collection format such as IPC-1752 (provided by the Institute for Interconnecting and Packaging Electronic Circuits) or the "Compliance Connect" spreadsheet
- Upload completed material declarations.

As a standalone web application, ENOVIA Materials Compliance Supplier Portal is installable on its own application server outside the firewall. ENOVIA Materials Compliance Supplier Portal communicates with ENOVIA® Materials Compliance Central™ through a secure Web Service interface. It can even be configured to automate the import of uploaded material declarations into ENOVIA Materials Compliance Central and also show suppliers whether their uploaded material declarations have been accepted or rejected by the Compliance Engineers of the host company once they have been reviewed.

The "Compliance Connect" spreadsheet consists of intelligent fields that allow suppliers to define a complete BOM hierarchy for supplier parts including sub-parts, materials, and substances. At each level, the spreadsheet validates that all compliance data is specified completely and correctly. At the end of the process the supplier is required to certify that the information they have entered is correct. The spreadsheet consists of worksheets that can be used to define the product BOM, materials, and substances. Three separate versions of the spreadsheet are provided:

- RoHS – collects data for the Hi-Tech industry (RoHS, Reduction of Hazardous Substances)
- ELV – collects data for the Automotive industry (ELV, End-of-Life Vehicle)
- ELV+RoHS – collects data for the Automotive (ELV) and Hi-Tech (RoHS) industries

At each BOM level, the supplier is prompted to provide important compliance data including part manufacturing process information, material recycled content, and RoHS or ELV compliance data including exemptions taken for specific RoHS or ELV substances in materials. The RoHS and ELV+RoHS versions of the spreadsheet will automatically determine whether reported parts are RoHS compliant, and in the cases where they are not, the supplier will be prompted to enter further information regarding how a compliant version of the part will be provided in the future.

Key Customer Benefits

- Put the responsibility for supplier compliance reporting directly into the hands of your suppliers
- Provide a secure environment for your suppliers to view parts that need to be reported without exposing proprietary product information
- Allow your suppliers to directly upload completed material declarations and, if desired, automatically import them directly into ENOVIA
- Insure that your suppliers use industry-standard formats such as ENOVIA Materials Compliance Connect and/or IPC-1752 for material declaration reporting
- Communicate important information to your suppliers including reporting due dates, acceptance or rejection of material submissions, and reporting instructions
- Distribute "Compliance Connect" spreadsheets to your suppliers as an intelligent self validating material declaration data collection tool



The worksheets are self-validating to insure that all required fields are filled out correctly and that the part trees and material content provided by suppliers are well-defined. As a final step in the material declaration process, the supplier is prompted to certify that the information entered into the “Compliance Connect” spreadsheet is accurate prior to generating the output file.

Once the output file is returned to the host company (for example, by uploading it through the ENOVIA Materials Compliance Supplier Portal), it can be directly imported into ENOVIA Materials Compliance Central to create reported Material Declarations. Compliance Engineers can then review and accept these Material Declarations to make them effective or can reject them and provide information to the supplier as to why they are being rejected.

Product Highlights **Isolated Web Application**

ENOVIA Materials Compliance Supplier Portal is an isolated web application that can be installed on its own application server outside the firewall or in a network “demilitarized zone” (DMZ). It communicates to ENOVIA Materials Compliance Central via a Web Service interface.

Secure Environment

When a user logs into ENOVIA Materials Compliance Supplier Portal, it communicates with ENOVIA Materials Compliance Central to authenticate the user as a valid supplier. ENOVIA Materials Compliance Supplier Portal then displays a list of parts for which material declarations have been requested. The supplier can only view the manufacturer’s equivalent parts that they have been asked to report, thus insuring that no proprietary enterprise product information is exposed.

Download of Requested Material Declarations in Industry Standard Formats

Suppliers can download their material declaration requests in either the ENOVIA Materials Compliance Connect format or IPC-1752 format. Once downloaded, the supplier can then proceed to fill out the missing material declaration information for their parts.

Upload of Material Declarations

Once the supplier has completed a material declaration for a requested part, the file can be uploaded to a secure location at the host company. Optionally, ENOVIA Materials Compliance Supplier Portal can be configured to then route uploaded material declarations automatically to the ENOVIA Materials Compliance Central importer.

Material Declaration Approval

Once a material declaration is imported, the supplier can use the ENOVIA Materials Compliance Supplier Portal to view whether the material declaration was accepted or rejected by the host company Compliance Engineer. The Compliance Engineer can provide specific instructions can to the supplier when a material declaration is rejected.

Material Declaration Data Collection Tool

“Compliance Connect” is an intelligent Microsoft Excel spreadsheet that can be used by suppliers to provide material declarations for their parts. The highlights of this tool are:

- Suppliers can provide a complete BOM hierarchy for their parts. Once this hierarchy has been defined, materials are associated with the leaf parts in the BOM and substances are associated with the materials.
- The spreadsheet is self validating. Pick lists are presented for fields that have a fixed range of choices, part tree structures are validated to be defined completely and correctly, and materials are validated to have substances 100% specified. In most cases, errors are immediately detected and highlighted on the screen for the user to fix. A final validation of all worksheets is performed as part of the certification process to catch additional errors.
- The RoHS and ELV+RoHS versions of “Compliance Connect” will automatically determine the RoHS compliance of supplied parts from underlying material content, taking RoHS substance thresholds and exemptions into account. For non-compliant parts, suppliers will be prompted for additional information including the date that a compliant part will be provided and the new part number (if applicable) for the compliant part.
- “Compliance Connect” is compatible with industry standards including IPC 1752, JGPSSI, and IMDS. The RoHS and ELV+RoHS versions include JGPSSI Substance Applications and IPC 1752 Version 2 Material Classifications. The ELV and ELV+RoHS versions include required IMDS attributes such as Polymeric Marking of parts, Material Symbol, and IMDS Substance Applications. This compatibility allows material data from “Compliance Connect” to be imported into ENOVIA Materials Compliance Central and subsequently exported to these industry reporting standards.
- “Compliance Connect” can be customized by the host company to add or remove fields on worksheets. The host company can also extend any pick list to include or remove items. For example, additional substances can be added to the substance pick list. It is even possible for the spreadsheets to be pre-configured with a set of standard materials to be used by suppliers.
- Suppliers are required to provide an electronic signature to certify the information they have entered is correct. Only then will the worksheets be saved in a format that can be returned to the host company.
- “Compliance Connect” can be uploaded and imported in ENOVIA Materials Compliance Central using the ENOVIA Materials Compliance Supplier Portal web application.

The Role of ENOVIA V6 and PLM 2.0

ENOVIA Materials Compliance Supplier Portal 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.



For additional information, contact us at:
Dassault Systèmes Enovia Corp., 900 Chelmsford Street, Lowell, Massachusetts 01851
978 442 2500 • ENOVIA.com • 3DS.com