

## COLLABORATION

ENOVIA Collaboration for STEP



ENOVIA® Collaboration for STEP imports Standard Exchange for Product Model (STEP) data geometry files to leverage expertise throughout the extended enterprise. After it is imported to the DS CGR format, STEP data can be managed with lifecycle controls and accessed by stakeholders with ENOVIA® Live Collaboration or ENOVIA® 3DLive™.

### Key Benefits

- Collaborate with partners using STEP – a standard and open format
- Make partner contributions available across the company for global business processes
- Foster design in context creation and design reviews for better product quality and reactivity

## Product Overview

STEP is an international product data standard (ISO 10303) that provides a computer-interpretable definition of the physical and functional characteristics of a product throughout its lifecycle. The STEP format is a standard in the aerospace industry and used often in the automotive industry. STEP is a valuable data exchange solution for a variety of business processes, including configuration control of three-dimensional mechanical design.

ENOVIA Collaboration for STEP speeds innovation and improves quality by enabling users to share STEP files. For example, a supplier may receive a design in a STEP file and want to share the file with stakeholders. One person can store the STEP document and its generated CGR files in ENOVIA® DESIGNER Central and share its content with anyone who also has ENOVIA® 3DLive™, ENOVIA® Designer Central™, and ENOVIA® Live Collaboration products. Designers now can design in context and use the STEP content for mechanical engineering applications, and a manager can set up design review meetings, including the latest supplier data.

## Product Highlights

ENOVIA Collaboration for STEP capabilities and features include:

### Import and Manage STEP Files

ENOVIA Collaboration for STEP functionality supports STEP external references. Files are stored in the database recursively and relations are maintained between them, showing positioning matrices. All the STEP files for an assembly will be imported when the assembly's root file is selected. ENOVIA Collaboration for STEP stores all the assembly relations and positioning matrices so the assembly structure is properly maintained.

### Navigate and Reuse STEP Files

When the STEP files get imported into ENOVIA Designer Central, they are converted into the DS CGR format. This enables the data to be used by a broad range of users. Designers can include the converted STEP data in their ENOVIA Designer Central session. Managers and collaborators can review the converted STEP data with either ENOVIA 3DLive or the ENOVIA Examine available with ENOVIA® Live Collaboration.

### STEP Version Support

ENOVIA Collaboration for STEP supports STEP application protocols (AP): AP 203 and AP 214. STEP application protocols address product identification, composition, and information related to bills-of-material (BOMs) and parts lists. AP 203 and AP 214 are very popular within the Aerospace industry.

### The Role of ENOVIA V6 and PLM 2.0

ENOVIA Collaboration for STEP supports PLM 2.0, product lifecycle management online for everyone, and the ENOVIA V6 values, which are:

- Global collaborative innovation
- Single PLM platform for intellectual property (IP) management
- Online creation and collaboration
- Ready to use PLM business processes
- Lower cost of ownership.



## Delivering Best-in-Class Products



Virtual Product



Information Intelligence



3D Design



Virtual Planet



Realistic Simulation



Dashboard Intelligence



Digital Manufacturing



Social Innovation



Collaborative Innovation



3D Communication

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