CATIA V4, Pro/E, STEP Build 821 Importers Release Notes

June 11, 2004

Importers Released

- CATIA 4 (Export: from v3.2.5 to v4.x.x; Model: from v4.1.1 to v4.x.x)
- Pro/E (Parts and assemblies from rel.18 through Wildfire)
- STEP (AP203, AP214)

New Configuration Filter Options

We have added several new filter options available in the Importer Configuration Options settings.

These filter options apply to **CATIA 4, Pro/E, STEP**:

- **Import 3D Text**—Imports the 3D notes and 3D text.

- **Import Hidden Entities**—Import all hidden entities.

- **Import Hidden Layers**—Imports all hidden layers.
Note: If "Import Hidden Entities" is selected and "Import Hidden Layers" is not selected, then only hidden entities not belonging to any layer will be imported.

- **Import Points**—Imports all points.

- **Import Wire Frame Entities**—Imports all wire frame entities, such as lines, polylines, circles, arcs.

- **Import All Models in File**—This option imports all the models that are present in the file. Many CAD systems can save more than one model in a file. If this option is checked, then all the models in the file will be imported, otherwise, only the first one is read in.

This filter option applies to **CATIA V4**:

- **Import 2D Drawings**

Improvements/Bug Fixes

- **All Importers:** Previously, with TTF-based importers, if the original model used a unit of measurement other than millimeters, then the parts would appear dark when the .3D file was viewed in SpinFire Pro or SpinFire Reader. Installing any Build 821 importer will fix this problem by updating the SG2.dll in the SpinFire Pro kernel folder. (See "Known Issues" below for details on fixing this problem for users who do not install a Build 821 importer.)

- **CATIA 4, Pro/E, STEP:** Tessellation quality has been improved. Gaps no longer appear between surfaces and the circles are more refined. (See "Known Issues" below.)

• **CATIA 4, Pro/E, STEP:** Selecting the "Import Entities in Different Parts" option sometimes caused parts in an assembly to be positioned incorrectly. Now parts in an assembly are positioned correctly when this option is selected.

• **Pro/E:** All Pro/E Wildfire files are read correctly.

• **Pro/E:** Selecting the "Import Layers in different parts" processing option may result in incorrectly positioned parts.

• **STEP assembly:** STEP assembly files now import correct transformation matrices, resulting in correct position for parts composing an assembly.

Known Issues

• **All Importers:** Parts may appear dark if the original model used a unit of measurement other than millimeters and if the user has not upgraded the SG2.dll file. This can be fixed by updating the SG2.dll file in the SpinFire Professional kernel folder (default location: C:\Program Files\Actify\Kernel). There are two methods for updating the SG2.dll: Install any Build 821 importer, or install SpinFire Reader Build 821 or later. SpinFire Professional users who are out of maintenance will need to upgrade SpinFire Reader.

• **CATIA V4, Pro/E, STEP:** The improvements in tessellation result in longer importing time and a larger .3D file. The "Low Precision" option can be selected to increase importing speed and reduce file size.

• **CATIA V4:** If importing a CATIA V4 file with no layers, the "None" processing option must be selected.

• **CATIA V4 2D:** The importer does not always read all the drawings in a file.

• **Pro/E, STEP:** Installing Build 711 or Build 730 of Pro/E may replace the current version of STEP.