What's New

This page describes recent changes in Electrical Manufacturing Preparation.

R2022x FD04 (FP.2232)

Improvement in the Equipment Type Assembly Drawing

Along with shapes, you can now also project parts and products in the drawing of equipment type assembly.

Benefits: The projection of parts and products in the drawing of equipment assembly is now supported.

For more information, see Generating and Updating the Front View.

R2022x FD03 (FP.2223)

Various Improvements in GVS

Following improvements are done in generative view style:

- **NoProjection** option is introduced
- Customization of **SupportLines**
- Protection filling with color of choice
- Optimized positioning of text templates for connectors
- Customization of **DisplayOfCutSupport** in case of **Segment Arrangement view** command

Benefits: The generative view style is now more efficient.

For more information, see *3D Modeling* | *Mechanical Systems* | *Drafting* | *Administration* | *Setting App-Specific Generative View Style Parameters* | *Electrical Manufacturing Preparation Parameters*, *3D Modeling* | *Mechanical Systems* | *Drafting* | *Administration* | *Setting App-Specific Generative View Style Parameters* | *Equipment And Systems Parameters*, Color Filling Business Rule (EHFDrawing_ComputationProtectionFillingColor), Administration: About Data

Setup for Electrical Manufacturing Preparation, and Generating and Updating the Front View.

R2022x FD02 (FP.2214)

Additional Rounding Up Options for Dimensions in Harness Documentation

While generating harness documentation, you now have the following six options for rounding up the dimensions: 0, 0.01, 0.1, 1, 5, and 10.

To specify this option, select **Me > Preferences > App Preferences > 3D Modeling > Electrical and Electronic Systems > Electrical Manufacturing Preparation > Dimension > Rounding Up Dimension Value**.

Benefits: You can now select more accurate dimension value.

For more information, see Documentation.

Using Splices as Measurement Points

A new preference, **Position point**, now lets you create dimensions using splices as measurement points.

To specify this option, select **Me > Preferences > App Preferences > 3D Modeling > Electrical and Electronic Systems > Electrical Manufacturing Preparation > Dimension > Splice**.

Benefits: More accurate dimensions can be generated by considering splices as measure points.

For more information, see Documentation.

R2022x FD01 (FP.2205)

Using Libraries in Drawing Generation Process

You can now use libraries in the drawing generation process, for storing 2D details and text templates.

Similar to catalogs, you can set the libraries and classes in Data Setup. When both catalog and library resources are set in Data Setup, the library resources are given a preference.

For more information, see Available Resources.

Managing 3D Parts with Junction Points

Electrical 3D parts with newly introduced junction points are now managed properly in various Electrical Manufacturing Preparation processes and commands.

The processes and commands include:

- Formboard generation process
- Documentation generation process
- Synchronization process
- Live manipulation actions such as rotating, rolling, etc.
- BOM comparison
- Cross highlight
- Network assistant command
- Link review command
- Dimension commands

Benefits: The app is more efficient.

R2022x GA

Validating Junctions

A new command, **Junction Validation**  , lets you validate the junction arrangement of the flatten data against the harness data.

Benefits: You can compare the flatten data and the harness data for their relative compatibility and the compatibility with the manufacturing process.

For more information, see Validating Junctions.

Mirroring the Flatten Element

You can now mirror the selected flatten element and its impacted network.

Benefits: You can correctly orient the flattened network at junction.

For more information, see Mirroring Branches.

Formboard Process Improvement

The formboard generation process now generates a more reliable flattened layout.

It is now enhanced in the following aspects:

- The user interface while flattening the harness data is improved
- The junction orientation is improved.
- The validation checks are improved.
- You can manually specify the backbone.
- You can analyze all the junctions on the backbone for the optimized orientation of their segments.
- You can now generate the full proof flattened layout.

Benefits: You can generate the optimum flattened layout.

For more information, see Generating a Flattened Layout.

3DEXPERIENCE Native Apps Content Reference Guide

To help you find the reference information you need to use the content delivered along with your app, you can consult the *3DEXPERIENCE* | *3DEXPERIENCE Native Apps Content* User's Guide.

Benefits: You can now find the reference in the *3DEXPERIENCE* | *3DEXPERIENCE Native Apps Content*.

For more information, see 3DEXPERIENCE Native Apps Content.

Optional Installation of Content

The app content is no longer automatically installed along with the code. You need to install it yourself, or contact your administrator.

You can also see *Installation and Setup* | *3DEXPERIENCE Platform* | *3DEXPERIENCE Platform Installation* | *Installing 3DEXPERIENCE Platform Services for the First Time* | *Installing Services One-by-One* | *Native Apps* | *Installing Native Apps*

Benefits: You can now install the app content manually.

For more information, see Install Additional Resources and Install Optional Content.