

## ETAP FAQ # 20

### Converting PowerPlot Projects to ETAP Star

**Description:** How to convert Time Current Curves (TCC) in existing PowerPlot projects to ETAP Star

**Version:** 5.0

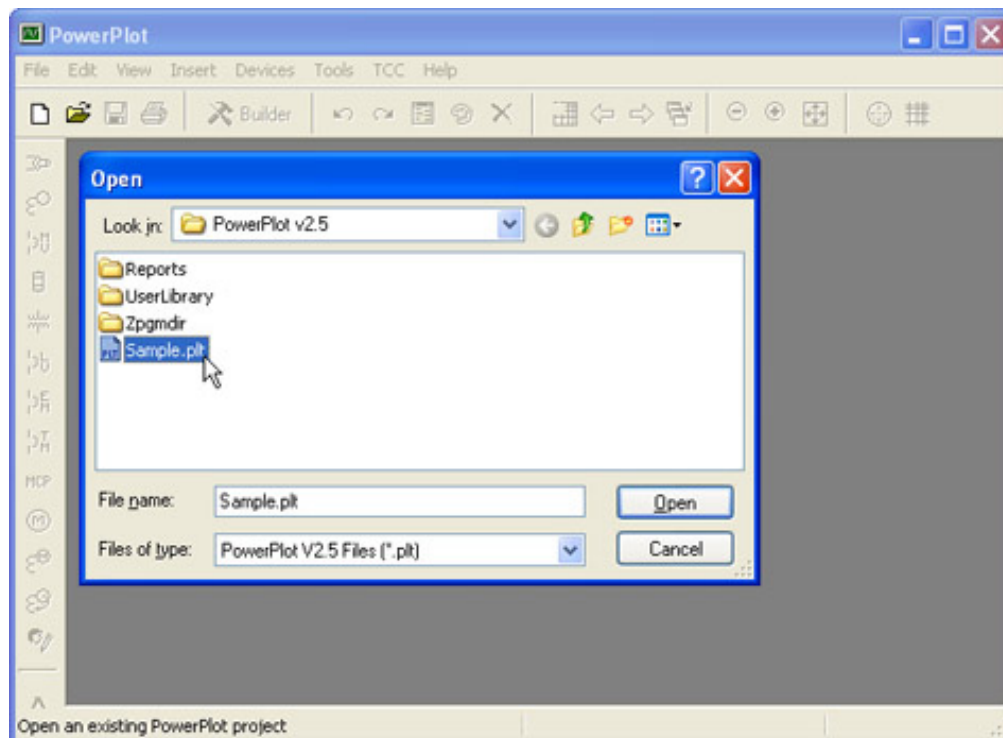
**Published:** May 3, 2005

#### Introduction

ETAP 5.x features a fully integrated and completely redesigned device coordination/selectivity package called ETAP Star. Star is an advanced concept in performing steady-state and dynamic coordination, utilizing intelligent one-line diagrams, comprehensive device libraries, and an integrated three-dimensional database. ETAP 5.x provides a tool to import and convert the Time Current Curves (TCC) from an existing PowerPlot project to Star. The example below shows step-by-step procedure of converting a PowerPlot project to Star.

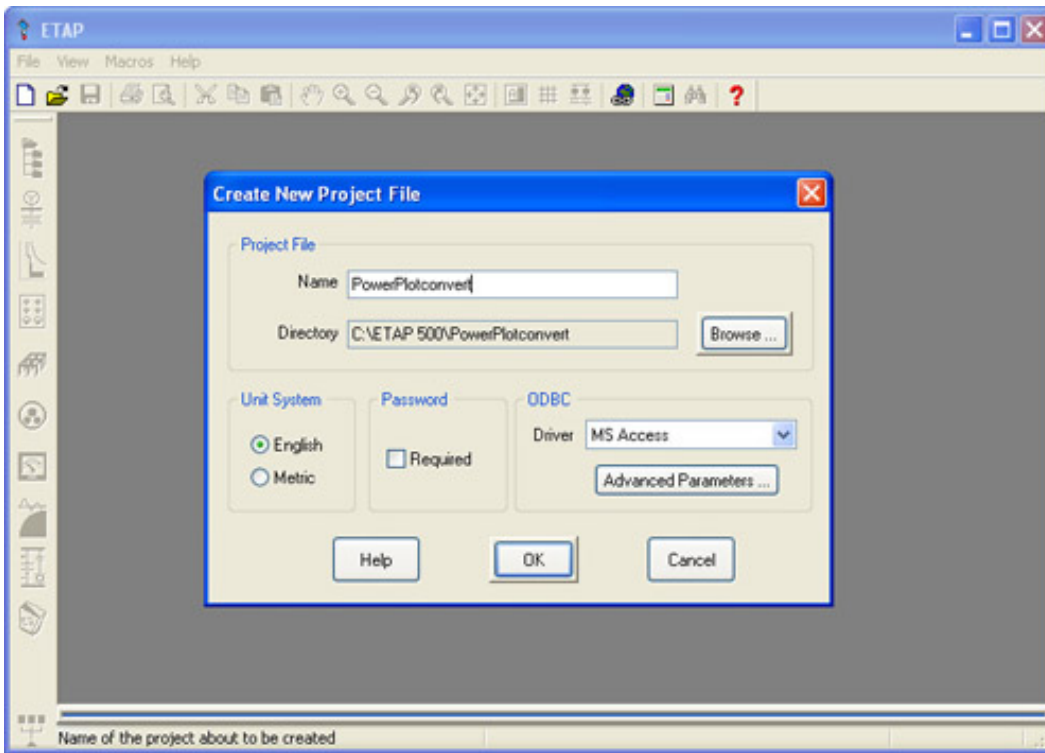
#### Example: Convert PowerPlot 'Sample' Project to ETAP Star

1. Launch PowerPlot and from the File menu, select Open Project. Browse to the PowerPlot installation path and select the Sample project 'Sample.plt', and then click Open.

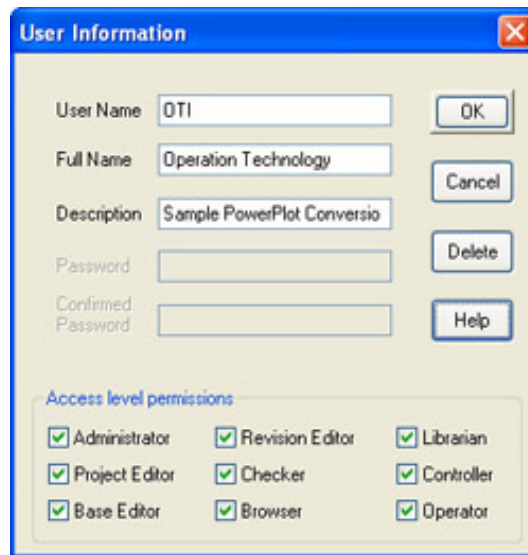


2. The Sample project in the PowerPlot window appears as shown below.

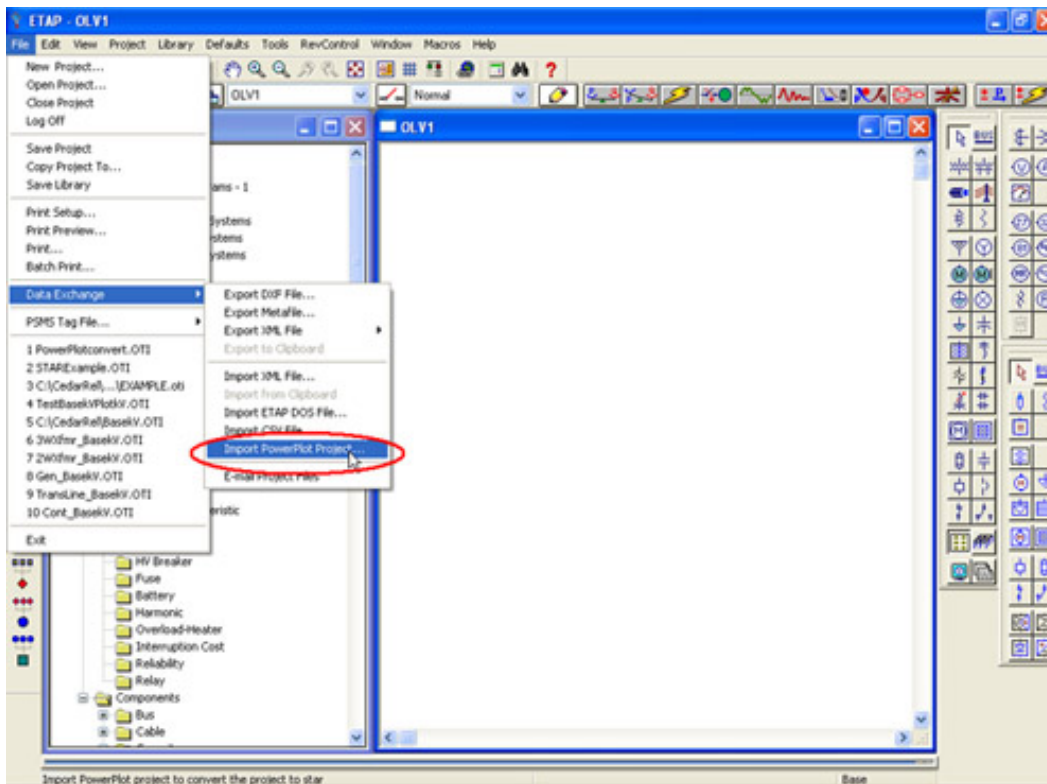




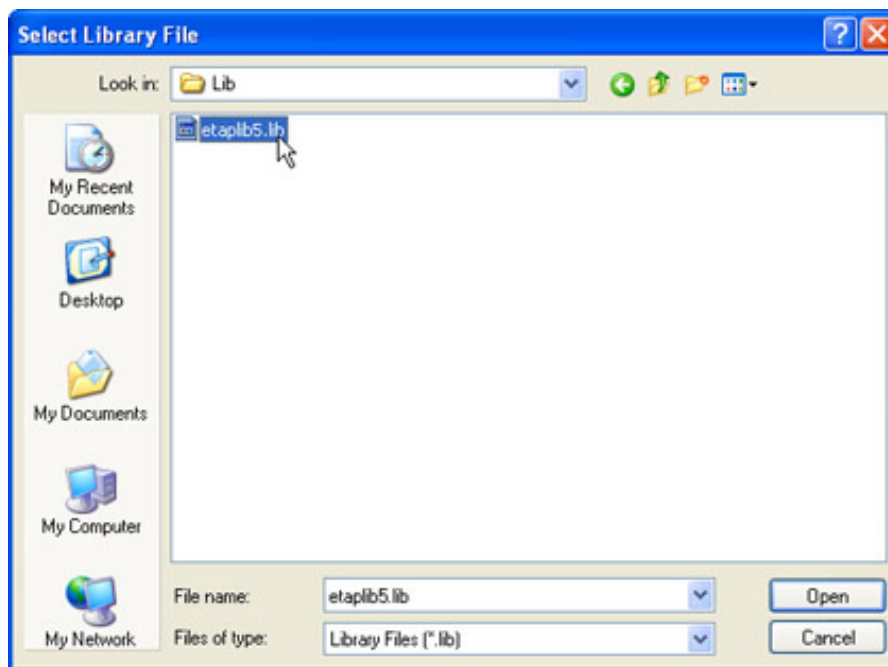
5. ETAP will prompt you for your user information. Enter the user name and access level information (if required) and click OK to continue. To learn more about setting up user accounts and access levels, refer to the User Access Management chapter of the User Guide or click the Help button.



6. The one-line diagram view will open in ETAP. From the ETAP File menu, select Data Exchange, and then select Import PowerPlot Project.

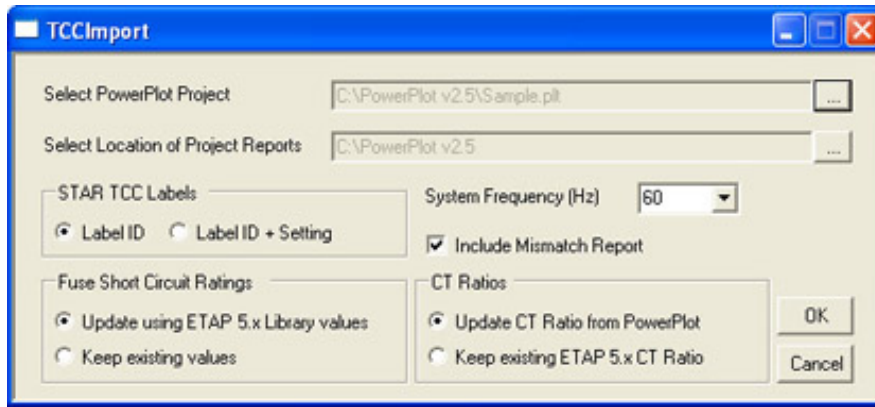


7. If a library file is not associated with the ETAP project prior to using the Import PowerPlot Project command, ETAP will ask you to select a library file. Browse to the location of the library file, select it and click Open.



*Note that the Import PowerPlot Project program requires an ETAP 5.x library file that has information related to time current characteristics of protective devices. Lower versions of ETAP library files do not have this information.*

8. Once the library file is selected, ETAP will launch the PowerPlot project Import program as shown below.



9. The various fields available in the PowerPlot Import program are briefly described below.

#### **Select PowerPlot Project**

Select the PowerPlot project file, which has the Time Current Curves (TCCs) to be imported into the ETAP project. PowerPlot project files have the extension .PLT.

#### **Select Location of Project Reports**

Select the location of PowerPlot project reports. PowerPlot project report files have the extension .CSV.

#### **Star TCC Labels - Label ID / Label ID + Setting**

Select this option to show only the ID or the ID and settings of different devices in ETAP Star TCC View.

#### **System Frequency**

Select the system frequency to be used in the ETAP project. This is used to convert seconds to cycles for time delays.

#### **Include Mismatch Report**

This option is applicable when PowerPlot projects are imported into an existing ETAP project. Check this box to append a mismatch report to the conversion log that shows fuses and breakers of identical ID, but with different data/settings in ETAP and PowerPlot.

#### **Fuse Short Circuit Ratings**

##### **Update using ETAP 5.x Library values / Keep existing values**

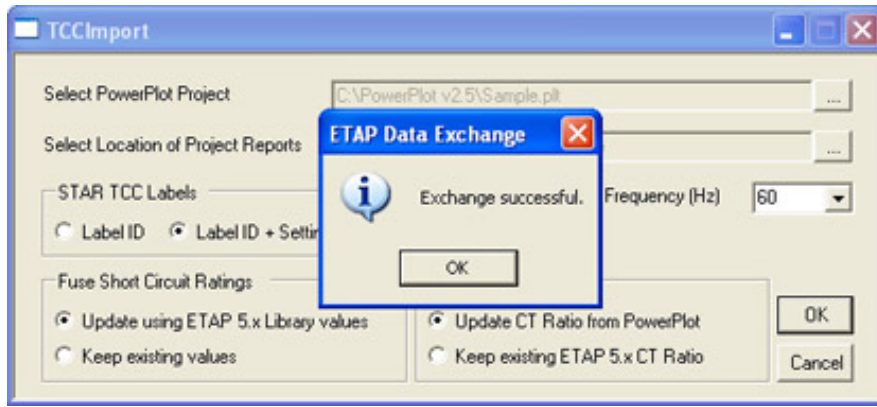
This option is applicable when PowerPlot projects are imported into an existing ETAP project. Selecting the 'Update using ETAP 5.x Library values' option will overwrite the existing Fuse Short Circuit ratings with values from ETAP 5.x library. Selecting the 'Keep existing values' option will preserve the existing Fuse Short Circuit ratings in ETAP project.

#### **CT Ratios**

##### **Update CT Ratios from PowerPlot / Keep Existing ETAP 5.x CT Ratio**

This option is applicable when PowerPlot projects are imported into an existing ETAP project. Selecting the 'Update CT Ratio from PowerPlot' option will update the ratios of current transformers connected to relays with the ratio specified on the relay / motor relay editor in PowerPlot. Selecting the 'Keep Existing ETAP 5.x CT Ratio' option will preserve the existing CT ratios in the ETAP project.

10. Select the different options as desired and click OK to import and convert the PowerPlot project. Note that the importing time depends on the number of TCCs and devices in the PowerPlot project.



11. Once the conversion is complete, ETAP generates a composite network containing the devices in the selected PowerPlot project.

