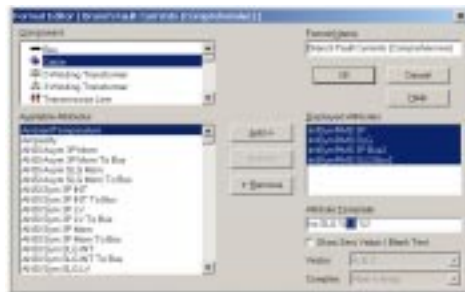


Multiple selection in Datablock Attributes

You can change multiple attribute fields simultaneously by selecting multiple attribute fields and changing the attribute template. For example, you can change the number of decimal places displayed for all of the selected attribute fields.



To select multiple attribute fields, select the top attribute field, hold your shift key and click on the bottom attribute field. Any changes made to the attribute template will apply to all of the selected fields. To select multiple attribute fields that aren't in order, hold the Ctrl key while selecting the individual attribute fields.

Save Time with Template Files

Another time saving concept is to use template projects rather than a blank project when creating a new project. A template project contains groups of components and data that are typical for new projects you will likely work on.

For more detailed information, check it out through the On-line Tutorial Section on your PTW CD.

... and the winner is

When you subscribe on-line at www.skm.com to receive the PTW Newsletter you are automatically entered in our drawing for a free copy of PTW-LT!

We are pleased to announce that


Dominic R. Martinez
Sage Engineering & Consulting

has won a complimentary PTW-LT license!

New Arc Flash Evaluation in PTW Version 4.5



The optional Arc Flash Evaluation program released in 2001 calculates the incident energy and arc flash boundary for each bus in the system. Trip times are automatically determined from the protective device settings and arcing fault current values. Incident energy and arc flash boundaries are calculated based on accumulated fault values. Clothing requirements are specified from a user-defined clothing library. Clearing times can be reduced based on current-limiting capabilities. Complies with OSHA, NFPA 70E, NEC 110.16, and IEEE 1584 requirements.

 WARNING	
Arc Flash and Shock Hazard Appropriate PPE Required	
86 inch	Flash Hazard Boundary
15.5	cal/cm ² Flash Hazard at 18 inches
Class 3	Cotton Underwear + FR Shirt & Pant + FR Coverall
480 VAC	Shock Hazard when cover is removed
42 inch	Limited Approach
12 inch	Restricted Approach
1 inch	Prohibited Approach
Bus Name: 027-DSB 3, Prot Device: F TX G SEC	

Some new features include:

- Follows IEEE 1584 Standard.
- Option to display Metric Units.
- Intelligent Defaults and global change for working distance, gap and earth return.
- Option to decay motor contributions.
- Accumulates energy from multiple contributions.
- Identifies equipment type from library reference.
- Identifies current-limiting fuses from library reference.
- Unlink bus from study to allow manual entry of fault current and trip time.
- Label output to several standard label sheets.

Please email your comments and feedback to SKM Systems Analysis, Inc.
pwrtools@skm.com
We look forward to hearing from you.

I have used the other power system analysis programs through the years, but no one sells a seamless, integrated engineering tool that works as well as SKM's Power Tools. The program is very simplistic and intuitive, and yet can handle projects of any size and complexity, while conforming to all relevant standards. Data input using the one line diagram is quick and easy and done in a way that avoids mistakes and ensures accuracy.

The project database is shared by all software modules. For example, when I update device settings in CAPTOR for coordination purposes, the same device is updated in every module. I now spend a lot less time entering and checking data, and more time doing the actual engineering analysis, which I enjoy.

SKM's technical support department is outstanding. A lot of companies, promise technical support, but you end up talking to voice mail or sending emails. When you do finally contact a real person, they often do not have the technical background or experience to help. This is not the case with SKM's technical support. Their support engineers are almost always available and have worked for the company for many years, so they know their product well.

*Since switching to SKM Power*Tools, fees from power system analysis studies have become 25% of our electrical department's income. Thanks to everyone at SKM for such a great product!*

David W. Simes, P.E.
Simes & Rosch Engineering
Jacksonville, FL

Our company recently decided to evaluate and purchase a new software package to assist us in our short circuit and coordination studies. After our software evaluation we settled on SKM's software. This software has been used extensively over the past couple of months and we are very satisfied with the results. We have encountered only minor problems during start-up, which were quickly handled by SKM's tech support staff. In addition, there have been a few curves that were needed that were not included with the library provided. Again SKM's support staff assisted in creating and sending us the missing curves electronically.

We are pleased with our results to date and we are optimistic that the software will serve us well in the future.

David L. Bradt, P.E.
vanZelm Heywood & Shadford
West Hartford, CT

As a regular user of the SKM software I have found the continuous improvements (new releases) welcome and helpful. An already excellent software for power systems studies is becoming even better. There have been numerous occasions when I required assistance and received prompt and friendly guidance. I have been treated professionally and courteously by everyone with whom I have dealt with at SKM. I appreciate the patience and willingness of the technical staff to steer me in the right direction and to help me achieve success on my projects. Without the after sales service and support that I have been receiving, the tasks necessary to realize the potential of this software would not be possible.

Sincerely,
Herb Putz
Stantec Consulting

Power*Tools for Windows Software 3 Days

Training Course Dates - Redondo Beach, CA
Monday, February 10 - Wednesday, February 12, 2003
Monday, May 19 - Wednesday, May 21, 2003
Monday, August 4 - Wednesday, August 6, 2003
Monday, October 20 - Wednesday, October 22, 2003

Course Registration Fee - \$800

- Technical Training Includes**
- Hands-On PTW Training in Lab Environment
 - Program Operation and Capabilities
 - Running Studies
 - Discussion of Industry Applications
 - Explanation of the Technical Data Used by the Program
 - Question & Answer Sessions and Interpreting Reports

DAPPER, CAPTOR, TMS, A_FAULT, Equipment Evaluation, and Arc Flash. With an optional overview session of other PTW software.

Please visit www.skm.com / Training for additional information and registration for all three training courses in 2003.

Power Systems Design & Analysis 4 1/2 Days
using PTW Software

Training Course Dates and Locations
February 24 - 28, 2003 Houston, TX
April 28 - May 2, 2003 Allentown, PA
June 23 - 27, 2003 Redondo Beach, CA
August 11 - 15, 2003 Denver, CO
October 6 - 10, 2003 Orlando, FL

Course Registration Fee - \$1500

- Technical Training Includes**
- Short circuit, load flow, motor starting and arc flash calculation procedures.
 - Protective device overcurrent setting methods.
 - To develop a working knowledge of the Power*Tools for Windows DAPPER, CAPTOR, A_FAULT, TMS, Equipment Evaluation and Arc Flash software study modules.

Overcurrent Coordination 4 1/2 Days
using PTW Software

Training Course Dates and Locations
May 19 - 23, 2003 Houston, TX

Course Registration Fee - \$1500

- Technical Training Includes**
- Protective device overcurrent setting methods.
 - Electrical Distribution Equipment from HV circuit breakers to LV panels.
 - Review of protective device phase and GF time-overcurrent curves.
 - Damage curves and protection methods for cables, transformers, motors, and generators.

*Here's what's new with SKM Power*Tools for Windows Software.*

PTW 4.5 Released!

New Arc Flash with IEEE 1584

New IEC_FAULT 363

New DC Analysis

plus New CABLE-3D

Training courses expanded to include Arc Flash Evaluation, plus overview of other study modules

New Overcurrent Coordination Course



Systems Analysis, Inc.
www.skm.com
pwrtools@skm.com
Phone: 310-698-4700
Fax: 310-698-4708

PTW V 4.5 Released!

PTW IEC_FAULT 363

The IEC_61363 Short Circuit Study models the current that flows in the power system under abnormal conditions. These currents must be calculated in order to adequately specify electrical apparatus withstand and interrupting ratings. The study results are also used to selectively coordinate time current characteristics of electrical protective devices. IEC Standard 61363 provides a detailed method for calculating three-phase short circuit duties for marine or offshore installations.



PTW DC Analysis
Battery Sizing, Load Flow, and Short Circuit

DC power system design and analysis is required for reliable operation of power supplies used in data processing and communication facilities, generating stations, and many light rail transit systems.

DC components include Battery, Rectifier, Bus, Cable, Load, Motor, Train, Generator, Inverter/UPS, DC-DC Converter and DC Capacitor. Study results are displayed graphically using the PTW study/case manager.

NEW CABLE-3D
Cable Pulling Analysis

CABLE quickly solves complex 3-D cable pulling tension and sidewall pressure calculations, allowing you to make rapid and accurate design decisions.

Some benefits include:

- Eliminate costly cable damage.
- Save time with graphical entry and display.
- Communicate designs more easily with professional reports and graphs.
- Evaluate alternatives quickly and easily to establish an optimal design.
- CABLE is an important tool every power system engineer, designer and contractor should have.

