

## *What's New in DistriView Version 8.5*

Please find enclosed the program CD for *ASPEN DistriView*<sup>™</sup> version 8.5. In this maintenance release we have fixed all the known bugs to date and added several enhancements.

You can use the enclosed CD to update an existing installation or to make a new installation.

Please write (support@aspeninc.com in English or scayres@aspeninc.com in Spanish or Portuguese) or call (650-347-3997) us if you have questions.

### **Bug fixes and Improvements in Version 8.5**

- **Enhancements in arc-flash calculator's protective-device selection:** We improved the 'auto selection' option's method for finding the upstream protective device that is most relevant to the location being studied. Additionally, when user selects the 'manual selection' option, the device list now has a 'More...' entry, which the user can click until the desired device is found.
- **Improved the placement of the checkmarks in the distance relay window** that highlights the tripping of relay zones.
- **Fixed several bugs in the arc-flash calculator command:** The program stopped working when the command is run in some networks. Also, the result for incidence energy at 85% fault current was not correct. (This problem has been fixed in *DistriView* V8.4 that was built after August 22, 2008.) If arc-clearing device is a recloser, the program now always calculates the timing using the recloser fast curve, if it is available.
- **Fixed a bug in the Add | Conductor Damage Curve dialog box in the OC Curves Window:** The circular-mils edit box and the wire-size combo box were out of synch by one entry.
- **Fixed a software memory allocation error** that led to random program crashes.
- **Fixed a programming error** that caused the program to stop working when an annotation is attached to a grounding transformer.
- **Fixed a programming error** that caused the program to report recloser operation time of slow curve using the minimum time dial instead of correct time dial of 1. This problem happened only when a curve with multiple time dials is selected for a recloser and the minimum time dial is not 1.0.
- **Fixed a programming error** that caused the program to stop working in the Add Relays in Vicinity command.

- **Fixed a bug in the View | Phases On 1-Line command** that crashes the program when there are one or more open switches in the feeder.
- **Fixed several programming errors in the S\_Ckt | Fault All Buses command's tree-walk logic.** The errors caused (1) opened switches to be included as part of a path, and (2) paths to be omitted when there are multiple branches connected to the substation bus.

#### **New Relay Curves Added Since DistriView V8.4**

- **ABB.RLY:** The PCD2000EI curve was built using correct factor of  $A=6.407$  instead of the incorrect value of 6.047. Added Westinghouse Amptector curves and MDAR relay curves
- **CUTLER\_HAMMER.RLY:** Added curves for DE-ION Circuit Breaker types EHD, FDB, FD. Added curves for CLE general-purpose current limiting fuses 15.5 kV Curve 30E, CLS5 motor start current limiting fuse, and Eaton CLE, HLE and HCL fuses.
- **FUJI.RLY (New):** Fuji overcurrent relay curves AI8R, CH1, CH2, CO3, DQA, FRA, and QH.
- **G&W\_ELECTRIC.RLY:** Curves for vacuum interrupter CENTERIOR.
- **HI\_TECH.RLY:** Curves for Trans-Guard OS Shorty fuses.
- **HITACHI.RLY (New):** Hitachi overcurrent relay curves IO and IOM.
- **HUBBELL.RLY:** Curves for Versa-Tech reclosers.
- **MISUBISHI.RLY (New):** Mitsubishi overcurrent relays CGP2-10-M3, CGP3-10-M3, CGP4-10-M3, CO, and MOC.
- **OMRON.RLY (New):** Omron (Tateishi) overcurrent relays COS, CO, K2CA, TO, IO, and IOM
- **S&C.RLY:** Updated fuse curve with S&C's latest TCC-165-10 and TCC-170-10 data.
- **SCHEIDER\_ELECTRIC.RLY:** Added Sepam Series 20 digital relay.
- **SEL.rly:** Reduced all SEL 3xx, 4xx, IEEE, IEC curves' maximum pickup multiple to 30 (from 50 and higher). This change affected relay curves: SEL351R-U1..5, SEL421-C1..5, SEL421-U1..5, SEL3xx/5xxMI.
- **SHAWMUT.RLY:** Added curves for Ferraz Shawmut AMP TRAP A480R medium voltage fuses.
- **SIEMENS.RLY:** Added curves for Centurion reclosers and breakers.
- **TOSHIBA.RLY (new):** Toshiba overcurrent relay curves DCO53H, ICO1D, ICO1E, ICO5G, IOD1, NCO11, NCO12, TCO21, and TCO22.