

## New Relay Curve Selector

The new Curve Selector in *OneLiner V10*<sup>TM</sup> puts the 3000-plus curves in the Overcurrent Relay Library at your disposal. You no longer have to hunt for a curve and then copy it from one RLY file to another.

In the dialog box for overcurrent relays, the drop-down list of curve names has been replaced by a read-only edit box with a button labeled "..." next to it. The Curve Selector appears when you press this button. See Fig. 1. The curves are organized in a

BASLER RLY BOCKWITH.RLY BOCKWITH.RLY DOANCE RLY COOPER.RLY HOUTLER_HAMMER.RLY HOUTLER_HAMMER.RLY GOW_ELECTRIC.RLY	Curve: DOP VI from Library: GE RLY Curve: to organ: 15 in: 30 from pickup Time-641 anger: 05 to 10 GE DOP relay, very inverse curves: Similar to IPC 53 Library path: C:\ASPEN1L_LIB\	×
GE RLY DOP-E1 DOP1 DOP1 DOP4 DOP	I Show devices with multiple curves only	r F
Find Find rest Collapse a	Select this curve No curve required Cancel	Help

"tree list" on the left side of the Curve Selector dialog box. To select a curve, you first click on the manufacturer name (e.g. GE) to expose a list of curve names. Then you click on a curve name (e.g., DLP-VI) to highlight it. The Curve Selector will show you, on the right-hand pane, a detailed description of the curve as well as its pickup and time-dial ranges.

A "Find" button at the lower left corner helps you search for specific keywords in the name or description of the curves. For example, a search for the word "liquid" in a fuse dialog box turns up an S&C Liquid Power Fuse. The "No curve required" button at the bottom is for instantaneous and definite-time relays—which is another new feature of version 10.

We have also changed the way the relay library files are stored. Specifically, *OneLiner V10* assumes that all the library files are within a dedicated directory called the Overcurrent Relay Library Directory. When *OneLiner* begins execution, it scans this directory and compiles a list of curves that are available. During the *OneLiner* session, the Curve Selector makes these curves available to you. This new approach of storing relay curves has two advantages over previous practices. The first is that the library directory path is not version specific. Hence you can uninstall a previous version of *OneLiner* without disturbing the library files. The second is that you can make your own curves available in *OneLiner* by simply copying your custom RLY files to the Overcurrent Relay Library Directory. You no longer need the Overcurrent Relay Editor for managing your curve library.

You should have received your copy of *OneLiner V10* by the time you read this

article. We plan to implement the Curve Selector in *DistriView*<sup>™</sup> version 8, to be released in the last quarter of 2005.

# On Site Training

We have setup a Certified Trainer program to provide on-site training of ASPEN software. So far we have certified three individuals: Larry Gross

in Washington, Carl Jayko in Massachusetts, and Sylvio Cayres in Brazil. Each of these trainers is:

- An engineer with many years of experience in the electric utility industry.
- A long-time user of ASPEN software.
- A good teacher and a good listener, capable of explaining complex concepts to other engineers.

ASPEN requires the trainers to take refresher courses regularly to keep up with the latest software updates. We review their certification annually. For more information on on-site training, please point your Internet browser to the Community | On-Site Training page of our web site.

# Free-Form Layout in Relay Database

Getting the relay technicians to use the *Relay Database*<sup>™</sup> is no easy matter, we are told. Some technicians refuse to use the database unless the data-entry forms and reports look exactly like the old paper

forms. We rose to the challenge by making it possible for *Relay Database* users to create data-entry forms and reports with free-form layout. We knew we were on the right track when we successfully duplicated several complicated paper test data-entry forms. One of these is shown in Fig. 2.

A graphical form editor in the ASPEN *Relay Database Administration Program* V8<sup>™</sup> (to be released this summer) lets you create these free-form layouts in two easy steps. First, you place on the form all the desired text labels and controls (i.e., edit boxes, radio buttons, and dropdown lists) through a drag-and-drop interface. The second step is to assign a test-template data field to each control. For the final touch, you can add graphic elements, such as lines, boxes and your company logo, to the form design.

Your Database Administrator can associate a specific form layout with each test template. As an example, the Administrator can create a test form just for GCX relays and associate it with the GCX test template. When a user opens the test form for a GCX relay, the customized layout for GCX relays will appear. Test templates with no form-layout assignment will appear with the traditional data-grid design.

Everything we just described for test forms and templates is also true for setting forms and setting templates in *Relay Database* V8.

To print the form, you can choose the "Print This Form" feature that prints the customized form exactly as it appears on

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the screen without any predefined form design. The Web Interface also has been updated to show the free-form layout.

#### **Upcoming Events**

- OneLiner class in Florianopolis, SC, Brazil, from August 23-25. This class will be taught in Portuguese.
- *DistriView* class in San Francisco, California, from September 13-14.
- OneLiner class in Albany, New York, from September 20-22.
- Booth at the IEEE T&D Show, New Orleans, Louisiana, from October 10-12.
- OneLiner Users Group Meeting in Spokane, Washington, on October 24, one day before the Western Protective Conference
- Relay Database seminar in Spokane, Washington, on October 24.
- Hospitality Suite at the Western Protective Conference, October 24-26.

The schedule and signup sheets for the classes are available on our web site.

# New Users

## OneLiner

- BOSLAN, Madrid, Spain
- British Columbia Transmission Corp., Vancouver, BC, Canada
- CELESC, Florianopolis, SC, Brazil
- CHESF, Recife, PE, Brazil
- Cegertec, Chicoutimi, QC, Canada
- Commonwealth Associates, Inc., Jackson, MI
- Corn Belt Power Coop., Humboldt, IA
- EPRI Solutions, Knoxville, TN
- EPRO, Llc., Augusta, ME
- EnerNex, Knoxville, TN
- Exponential Engineering Co., Fort Collins, CO
- High Time Industries Ltd., Calgary, AB, Canada

- ITAIPU, Curitiba, Brazil
- K.R. Saline and Associates, PLC, Mesa, AZ
- Lafayette City Utilities, Lafayette, LA
- Navigant Consulting, Inc., Rancho Cordova, CA
- Phasor Engineering, Inc., Calgary, AB, Canada
- PROTASIS SA, Athens, Greece
- Qatar General Electricity & Water Corp., Doha, Qatar
- Siemens PTI, Schnectady, NY
- Soudi Consultants, San Ramon, CA
- Teshmont Consultants LP, Winnipeg, MB, Canada
- US Power Services, Alpharetta, GA
- United Illuminating Co., Shelton, CT
- Power Flow
- BOSLAN, Madrid, Spain
- Exponential Engineering Co., Fort Collins, CO
- High Time Industries Ltd., Calgary, AB, Canada
- Autoridad del Canal de Panama, Balboa, Panama
- DistriView
- Hill Michael & Associates Consulting, Brisbane, Qld, Australia
- MWH, Chicago, IL
- MicroAID, Yeronga,, Qld, Australia
- Peabody Municipal Light Plant, Peabody, MA
- PowerWave Engineering, Battle Ground, WA
- **Relay Database**
- Electric Power Systems, Inc., Anchorage, AK
- NorthWestern Energy, Butte, MT
- United Illuminating Co., Shelton, CT

Line Constants Program

- EPRO, Llc., Augusta, ME
- United Illuminating Co., Shelton, CT



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