

Database to OneLiner Link

The mechanism to transfer data from the ASPEN Relay Database[™] to OneLiner[™] has been working since the beginning of this year. The current implementation allows each relay in OneLiner to be associated with a single relay record in the Database, and each relay record with multiple relays in OneLiner. You can, in addition, establish a link between each relay parameter in OneLiner and a field in the Database. OneLiner stores this linkage information in the binary data file as part of the relay data.

A push of the "Database" button in the relay dialog box is all it takes to start the data transfer process. The linkage dialog box is shown on this page. Each row in the grid is for a relay parameter required by OneLiner. The name and value of the **OneLiner** parameters are shown on the second and rightmost column of the grid. You can specify, using the drop-down list box in the first column, the corresponding datum in the Relay Database. In this example, the CT-ratio and time-dial parameters of the OneLiner relay are linked to the "CT ratio" and the "Time lever" field of the Database, respectively. The other relay parameters have no links; therefore the data transfer will not affect them.

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34 North San Mateo Dr., San Mateo, CA 94401 Phone: (650)347-3997 FAX: (650)347-0233 schan@aspeninc.com www.aspeninc.com If there are several setting requests associated with the relay in the *Database* you can select the one to use in the transfer by highlighting it in the top grid. When you press the "RDB->OneLiner" button, the data with links are moved from the *Relay Database* into the third column of the grid. You can edit the values in this column, as needed, before closing the linkage dialog box and finalizing the data

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transfer. The relay dialog box will appear next. The data in the dialog box will have values that you just transferred. *OneLiner* will validate the new data when you press OK to close this dialog box.

The mechanism we implemented is only the first step in linking *OneLiner* to the *Relay Database*. The following improvements are planned for the next release of *OneLiner*:

• Users will be able to link each relay in *OneLiner* with multiple relays in the *Database*. You can associate a 3-zone KD relay in *OneLiner*, for example, with three separate KD relays and two timers in the *Database*. We will add a "Browse" button to the relay dialog box to help you select the linked relays in the *Database*. Specifically, the Browse button will bring up a list of relays in the *Database*, sorted by location. You can select the linked relays by simply clicking on them.

 As an alternative to the simple linking mechanism of V2000D, users will be able to specify a Data Transfer Script as a transfer agent. A Data Transfer Script is a program written in BASIC with which you can implement complex data transfer logic. For example, you can call on the script for KD relays to compute the zone reach (in ohms) as a function of the physical parameters 'S', 'T', 'M', 'R' and 'L'. The use of the Data Transfer Script for transferring relay data makes the elusive goal of linking physical relay data to electrical relay data a reality. We anticipate that many script files will be needed for different relay makes. We plan to distribute a small set of sample scripts at the outset.

We believe this enhanced mechanism of translating the relay's physical parameters to electrical parameters represents the state of the art in managing relay data.

Tech Support in Portuguese

Because of the growing number of ASPEN users in Brazil, we decided to

established a new tech-support center to assist users whose native language is Portuguese. The person in charge of Portuguese tech support is Sylvio Cayres.



You can reach him at scayres@aspeninc.com.

Sylvio graduated from the Federal University of Rio de Janeiro in Brazil in 1979 with a BSEE degree. From 1978 to 1986, he worked for FURNAS Centrais Elétricas as a power system engineer and, from 1987 to 1990, for ITAIPU Binacional, as a protection and planning engineer. He completed his MSEE at Itajubá Federal Engineering School in 1989. In 1990, Sylvio founded CP Marketing Ltd. Sylvio's work includes sales, training and tech support.

Sylvio is an ASPEN Certified Trainer. To earn this title, Sylvio comes to ASPEN for special training on a yearly basis. In additions to his tech-support duties, Sylvio is also qualified to teach training classes on ASPEN software at your office. Please eMail him directly if you interested in on-site training.

Upcoming Events

- OneLiner Training Class, Sept. 12-14, Denver, CO.
- OneLiner Users Group Meeting, Oct. 22, Spokane, WA
- ASPEN Booth at the IEEE T&D Show, Oct. 29-Nov. 2, Atlanta, GA

New Users

- Breaker Rating ModuleTM
- ABB Electric Systems Tech Inst., Raleigh, NC
- BC Hydro, Burnaby, BC, Canada
- Companhia Estadual de Energia Eletrica (CEEE), Porto Alegre, RS, Brazil
- Duke Energy, Charlotte, NC
- GE Power System Energy Consulting, Schenectady, NY
- Lower Colorado River Authority, Austin, TX
- New York State Electric & Gas, Binghamton, NY
- Northeast Utilities, Berlin, CT
- Oklahoma Gas & Electric Co., Oklahoma City, OK
- PECO Energy, Berwin, PA
- Puerto Rico Electric Power, Marginal San Rafael, PR
- Puget Sound Energy, Seattle, WA

- Sacramento Municipal Utility District, CA
- Sierra Pacific Resources, Las Vegas, NV
- South MS Electric Power Assn., Hattiesberg, MS

DistriViewTM

- ELEKTRO Electricidade e Servicos S/A, Sao Paulo, Brazil
- Florida Power & Light Co., Juno Beach, FL
- Kinectrics Inc., Toronto, ON, Canada
- MERALCO, Manila, The Philippines
- Virginia Electric & Power Co., Richmond, VA

Line Constants ProgramTM

- American Transmission Co., LLC, Waukesha, WI
- Clark Public Utilities, Vancouver, WA
- Colorado Springs Utilities, CO
- Consulting Engineers Group, Inc, Plymouth, MA
- Enron Wind, Tehachapi, CA
- Montana Power Co., Butte, MT
- National Grid Co, plc., Coventry, United Kingdom
- NorControl, Madrid, Spain
- Puerto Rico Electric Power, Marginal San Rafael, PR

OneLinerTM

- AES Sul Distribuidora Gaucha de Energia, Porto Alegre, RS, Brazil
- American Transmission Co., LLC, Waukesha, WI
- City of Farmington, NM
- City of Roseville, CA
- Consulting Engineers Group, Inc., Plymouth, MA
- EPRO, LLC, Augusta, ME
- Electrical Power System Protection, Inc., Marietta, Georgia
- Enron Wind, Tehachapi, CA
- FURNAS Centrais Eletricas SA, Rio de Janeiro, RJ, Brazil
- GE Power System Energy Consulting, Schenectady, NY

- Iberdrola Electropaz, Bilbao, Bolivia
- Kinectrics Inc., Toronto, ON, Canada
- Leonhardt Consulting, Alpheretta, GA
- Magic Valley Electric Coop., Inc., Mercedes, TX
- Mercados Energeticos S.A., Buenos Aires, Argentina
- New York ISO, Schenectady, NY
- Power & Control Systems, Inc., Baton Rouge, LA
- Power Engineers, Inc., Hailey, ID
- Power Line Models, Inc., Hopkinton, MA
- Puerto Rico Electric Power, Marginal San Rafael, PR
- Relay Application Innovation, Pullman, WA
- SGS Witter, Albuquerque, NM
- URS Corp., New Orleans, LA
- W.S. Nelson and Co., New Orleans, LA

Power FlowTM

- City of Roseville, CA
- Consulting Engineers Group, Inc., Plymouth, MA
- Enron Wind, Tehachapi, CA
- Iberdrola Ingenieria Y Consultoria, S.A., Madrid, Spain
- Kinectrics Inc., Toronto, ON, Canada
- Power Engineers, Inc., Hailey, ID

Relay Database C/S™

- Alabama Electric Cooperative, Inc., Andalusia, AL
- Carolina Power & Light Co., Raleigh, NC

Relay Database[™]

- City of Vineland, Vineland, NJ
- City of Roseville, CA
- Luz del Sur, Lima, Peru
- Sunflower Electric Power Corp., Garden City, KS
- U.S. Bureau of Reclamation, Denver, CO

