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Upcoming Events

OneLiner training class in San Francisco on February 26-28, 2008. This class is almost full at the time of this writing. The next class will be an Advanced Class to be held in Albany, New York, in late September this year.

DistriView training class in San Francisco on March 12-13, 2008. Class schedule and on-line sign-up sheet are available on our web site www.aspeninc.com/site_events.htm

New Users Since November 2005

OneLiner

Ampla Energia e Servicos S.A.,
Niteroi, RJ, Brazil

Aquila, Pueblo, CO

OneLiner and Relay Database Data Integration

In 2004 we implemented a feature in OneLiner™ that allowed users to acquire relay data from the ASPEN Relay Database™ (RDB). This feature was made possible by linking relays in OneLiner to relay records in the RDB, and by translating the data through scripting. In an upcoming release of OneLiner (V10.11) and RDB (V9.7) we have made the data transfer between the two programs bi-directional for the first time.

The transfer of relay parameters from OneLiner to RDB is the new direction. When a OneLiner user performs such as transfer, the relay parameters are deposited verbatim in special "requests" (our terminology for relay-setting records) the templates of which are designed to hold relay parameters from OneLiner. A relay object in RDB V9.7 can therefore have two types of requests: Requests that hold physical setting data, and requests that hold OneLiner parameters.

A new command in RDB V9.7 allows users to translate the contents of a OneLiner-parameter request to physical-setting parameters. The results are stored in a physical-setting-data request of the same relay. The translation is done through scripting and is user modifiable.

Three data-transfer paths, labeled '1', '2' and '3' are shown in Figure 1. Here is an example on how a user makes use of them:

1. A OneLiner user opens an OLR file and then executes a command to retrieve relay setting from Relay DB requests with the "Pending" status. These are requests that were copied from relays to the database using the RDB's import-setting command. Upon seeing that there are several relays that fit this description, he directs OneLiner to download the data for devices that are in his area of responsibility. All these steps are carried out through a easy-to-use interface without any need to search for the RDB requests manually.

2. The user checks relay coordination in OneLiner and decides to modify some of the relay parameters. After his changes are approved, he executes a command in OneLiner to transfer the revised OneLiner relay parameters back to the RDB.

3. Within the RDB's client program, he executes a command to

BEW Engineering, San Ramon, CA

Breton, Banville and Associates,
Mont-Saint-Hilaire, QC, Canada

Consultoria de Ingenieria Electrica,
Buenos Aires, Argentina

Crescere Carhe Ltd., Porto Alegre,
RS, Brazil

City of Lake Worth, FL

City of Westerville, OH

Dessau Soprin, Inc.,
Laval, QC, Canada

EPRI Solutions, Knoxville, TN

Electrical Engineering Professional
Services, Metairie, LA

FAVE, Col. La Conchita, Mexico

FUPAI, Itajuba, MG, Brazil

High Time Industries Ltd.,
Calgary, AB, Canada

Highline Electric Association,
Holyoke, CO

Intekia, Ingenieria de Sistemas, S.L.,
Zamudio, Spain

Iraq Ministry of Electricity,
Baghdad, Iraq

K.R. Saline and Associates,
PLC, Mesa, AZ

KEMA TDC, Raleigh, NC

Kansas City Power and Light, Kansas
City, MO

L&M Engineering Consulting, LLC,
Albany, NY

Lee County Electric Coop.,
North Ft. Meyers, FL

MRLA, Inc., Stilwell, KS

Navopache Electric Coop.,
Lakeside, AZ

translate the updated OneLiner parameters to physical setting data for the affected relays. He checks the results, has them approved, and sends them on to the relay technicians to implement the changes.

The integration of data in OneLiner and RDB is now complete. We are confident that his integrated process will save time and eliminate typing and copying mistake in setting relays. It will also help maintain a clear and consistent record of all relay data flows within the organization.

We plan to release ASPEN OneLiner V10.11 and Relay Database V9.7 in February 2008.

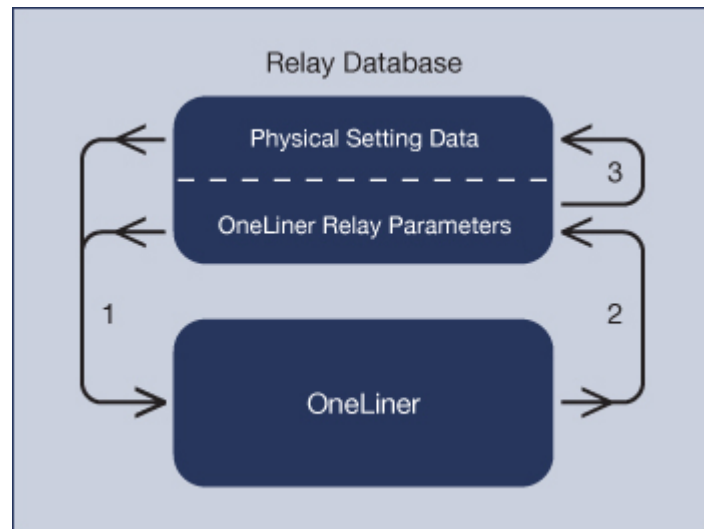


Fig. 1: Data transfer paths between OneLiner and Relay Database.

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Arch Flash Analysis in OneLiner and DistriView

ASPEN OneLiner V10.11 and DistriView™ V8.4 come with a new arc flash calculator. Arc-flash calculation is a natural add-on to OneLiner and DistriView because both programs are already capable of computing fault currents and relay operating time. The new arc flash calculator conforms to the IEEE 1584 standard.

The arc flash calculation is carried out for one equipment location at a time. The user selects the location interactively by highlight a bus on one-line diagram. The program will then solicit additional inputs about equipment category and arcing conditions at the site. See Figure 2.

Old Dominion Electric Coop.,
Glen Allen, VA

Orion Technical Services, LLC,
Reading, PA

Orlando Utilities Commission,
Orlando, FL

PDS Consulting, PLC, Tempe, AZ

PowerGem, Niskayuna, NY

Proteccion, Control y Medicion,
Mixco, Guatemala

PwrSolutions, Inc., Dallas, TX

Quanta Technology, Raleigh, NC

Quark Up Ltd., Barranquilla, Colombia

RLC Engineering, Augusta, ME

Relay Engineering Services,
Jackson, MI

Rising Edge Engineering Ltd.,
Calgary, AB

Shaw Energy Delivery Services,
Charlotte, NC

Siemens PTI, Schnectady

Siemens Power T&D High Voltage
Systems, Wendell, NC

Southwest Power Pool, Inc.,
Little Rock, AR

Stacom Engineering Co.,
N. Chittenden, VT

Substation Engineering Co.,
Lenexa, KS

Turlock Irrigation District, CA

UGI Utilities, Inc., Wilkes Barre, PA

Union Fenosa Distribucion, S.A.,
Madrid, Spain

Vertex Engineering & Utility Services,
St. Joseph, MO

Visayan Electric Co., Cebu City,

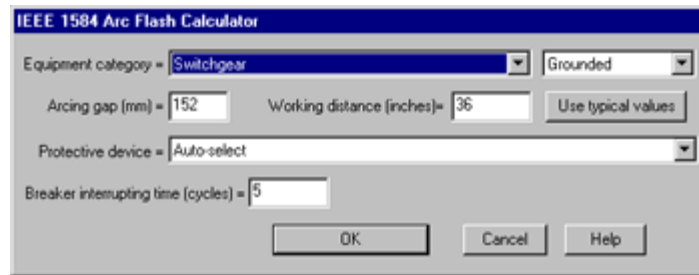


Fig. 2: Dialog box for arc flash calculator.

Users have the option to enter the arcing-gap and working-distance parameters by hand or use typical values based on the equipment type and kV level. The program automatically carries out fault simulations to determine the bolted fault current level. For the clearing time, users have the option to use the fastest response time of devices in the vicinity of the fault or select the operating time of a specific protective device. The program then calculates the arcing current and the incident energy level using IEEE 1584 equations at 100% and 85% of the fault current level. The calculation result, including flash hazard boundary are recorded in programs' TTY window. See Figure 3.

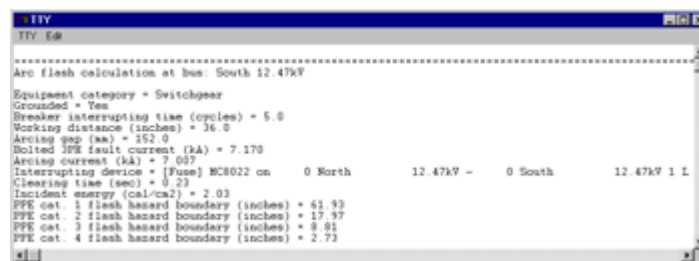


Fig. 3: Results from arc flash calculation.

There are no additional charges for the arc-flash feature. ASPEN OneLiner V10.11 and DistriView V8.4 are scheduled to be released in February and March 2008, respectively.

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Price Increase

Effective February 1, 2009, the license fee and maintenance fee for all ASPEN programs will go up by 5%. The lease fees will remain unchanged. You can save money on license fees and maintenance fees (including those for future years) by placing your order before February 2009.

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The Philippines

WorleyParsons Group, Inc.,
Reading, PA

ZE Power Engineering, Inc.,
Richmond, BC, Canada

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Power Flow

ATCO I-Tek Ltd., Edmonton,
AB, Canada

Black & Veatch, Overland Park, KS

CELESC Distribuicao S.A.,
Florianopolis, SC, Brazil

Consultoria de Ingenieria Electrica,
Buenos Aires, Argentina

City of Westerville, OH

Dessau Soprin, Inc.,
Laval, QC, Canada

High Time Industries Ltd.,
Calgary, AB, Canada

Hydro One Networks, Inc.,
Thunder Bay, ON, Canada

Iberdrola Electropaz, La Paz, Bolivia

Intekia, Ingenieria de Sistemas, S.L.,
Zamudio, Spain

Lee County Electric Coop.,
North Ft. Meyers, FL

National Transmission Corp., Quezon
City, The Philippine

Navopache Electric Coop.,

Lakeside, AZ

POWER Engineers, Inc., Boise, ID

Proteccion, Control y Medicion,
Mixco, Guatemala

R.W. Beck, Goodlettsville, TN

Schweitzer Engineering Lab.,
Pullman, WA

Siemens Power T&D High Voltage
Systems, Wendell, NC

Substation Engineering Co.,
Lenexa, KS

Transener, S.A., Buenos Aires,
Argentina

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DistriView

Alaska Electric Light & Power,
Juneau, AK

CAESS, S. A. de C.V., El Salvador

California Dept. of Water Resources,
Sacramento, CA

City of Glendale, CA

Distributed Utility Associates,
Livermore, CA

Elcon Associates, Inc.,
Portland, OR

EnerNex, Corp., Knoxville, TN

Relay Application Innovation,
Pullman, WA

Trinidad and Tobago Electricity
Commission

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Relay Database

Al Ain Distribution Company,
Al Ain, U.A.E.

Aquila, Pueblo, CO

CELESC Distribuicao S.A.,
Florianopolis, SC, Brazil

California Dept. of Water Resources,
Sacramento, CA

City of Tallahassee, FL

Furnas Centrais Eletricas S.A.,
Rio de Janeiro, RJ, Brazil

Grand River Dam Authority,
Vinita, OK

Green Mountain Power Corp.,
Colchester, VT

Imperial Irrigation District,
Imperial, CA

Iraq Ministry of Electricity,
Baghdad, Iraq

Lee County Electric Coop.,
North Ft. Meyers, FL

New York Power Authority,
White Plains, NY

Newfoundland & Labrador Hydro,
St. Johns, NL, Canada

Vectren Corporation, Evansville, IN

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Line Constants Program

ATCO I-Tek Ltd., Edmonton,
AB, Canada

Black & Veatch, Overland Park, KS

CELESC Distribuicao S.A.,
Florianopolis, SC, Brazil

CFE, Mexico

CRE, Santa Cruz de la Sierra, Bolivia

City of Anaheim, CA

City of Westerville, OH

Dessau Soprin, Inc.,
Laval, QC, Canada

Edler Power Services, Sullivan, IL

Electric Power Systems, Inc. - AK

Electromontaj S.A. Abu Dhabi Branch,
U.A.E.

EnerNex Corp., Knoxville, TN

EnergyAustralia, Wallsend,
NSW, Australia

Hatch, Oakville, ON, Canada

KEMA TDC, Raleigh, NC

Lincoln Electric System, Lincoln, NE

NEI Electric Power Engineering, Inc.,
Wheat Ridge, CO

Nashville Electric Service,
Nashville, TN

Orlando Utilities Commission,
Orlando, FL

Relay Engineering Services,
Jackson, MI

Springfield Utility Board,
Springfield, OR

Substation Engineering Co.,
Reading, PA

TXU Electric Delivery,
Fort Worth, TX

TriAxis Engineering,
Vancouver, WA

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ASPEN Inc., 34 N. San Mateo Drive, San Mateo, CA 94401 USA | 650-347-3997
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