ASPEN LEAFLET

Volume 17, Number 1 Winter 2003

Web Interface for Relay Database

The 2002 year-end marks the debut of the *ASPEN Relay Database*™ web interface. This interface is designed to allow a utility to publish the contents of its relay database over an intranet. Employees of the utility can use this interface see the latest on relay setting, relay testing, and related information. The web interface is read-only; users can see the data but cannot change them.

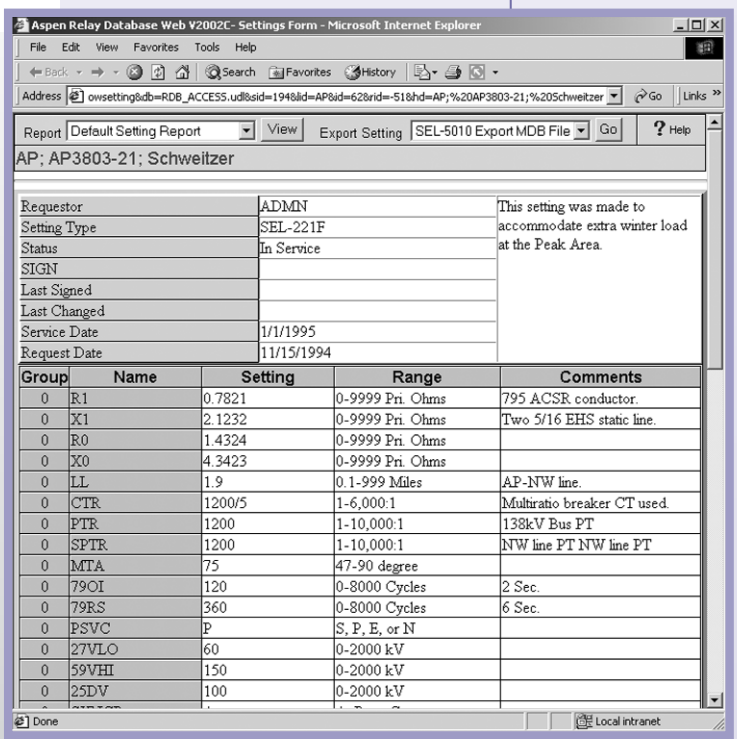

Figure 1

There are only a few requirements to login and view the data: a web browser, a connection to the company's intranet, an http address of the web-interface software, and an account name and password. The web-based interface works on a PC without any installation of ASPEN software or third-party database client.

The web-interface software is in the form of an executable file that your network administrator can install on a Windows-based intranet server. The web interface works with both the Unlimited and the Client/Server version of the *Relay Database*. The operations of the web interface do not interfere with the normal workings of the existing read/write interface.

To make the web interface easy to use, we have created web-based forms that look as closely as possible to those in the regular read/write interface. Figure 1 shows a web browser with a relay setting form in its client area. Users of the *Relay Database* will instantly recognize this form. We have also made it possible for web-interface users to print reports and to export relay data to SEL-5010 and other formats.

In December 2002, we have distributed the web interface software to users of *Relay Database*, along with the V2002C maintenance update. The web-interface software will become a standard part of the *Relay Database* software from now on.

You can try out the web interface by visiting the Demo page of our web site. The data you see there is from a fictitious, sample relay database. Our server utilizes the Microsoft IIS software and runs under the Windows 2000 Server operating system.

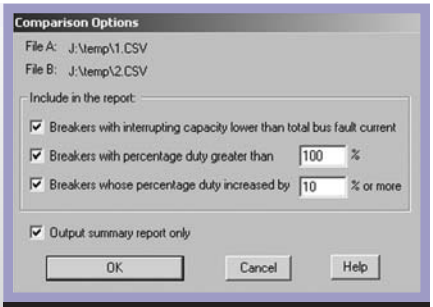

Figure 2

Breaker Rating Comparison Program

The Breaker Rating Comparison program is designed to compare the results of two breaker-rating cases and report on their differences. The cases being compared can be any two breaker-rating reports in the form of CSV files, but most commonly, the inputs to the comparison program are the "with" and "without" cases involving the addition of generators to a power system.

The user can instruct the program to look for breakers that meet certain criteria. (See Figure 2.) For instance, the user can limit the output to only those breakers whose duty increased by 3% or more, plus breakers whose ratings were exceeded as a result of the network

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changes. The comparison program can sift through pages and pages of breaker-rating results and give the answer almost instantly. This program is big time saver, especially when there are large number of breakers in the network.

The Breaking Rating Comparison Program was shipped in early December 2002 with the V2001F update of the *Breaker Rating Module*™.

Improvements in Relay Database V2002C

When exporting relay settings to an SEL-5010 file, the user can now enter a SEL relay name and limit the parameters exported to one or more groups.

Since V2001, the database administrator can specify a list of reports available in each data form. You see this list when you click on the down arrow next to the print icon. V2002C shows an additional entry for the build-in, default report. By selecting the default report you will get a formatted printout of the labels and parameters that are being shown on the data form. The default report is generated by program logic and requires no report (.qr2) file. It is a quick and simple alternative to customized report files. You can change various page options for the default reports, such as the orientation and paper size, in the Tools | Option screen.

Version 2002C was shipped to all the *Relay Database* users in December 2002.

Relay Database Workshop

We plan to hold a workshop on the usage and administration of the *ASPEN Relay Database* at the Georgia Tech and Spokane relay conferences, following the Users Group Meeting. Details on the workshops will be posted in Events page of our web site.

Relay Database Price Increase

Effective April 1, 2003, the license fee of the Unlimited Version of the *Relay Database* will go up to $12,000, from $8,500. The annual maintenance fee will go up by the same percentage. The license fee for the Client/Server version will remain unchanged at $24,000.

For those users who already own the *Unlimited Relay Database*, this actually represents a price *decrease*. The reason is that the cost of upgrading to the Client/Server version will go down to $12,000, from $15,500.

Upcoming Events

The upcoming *OneLiner*™ training class will be in Baltimore, Maryland, from Feb. 12-14, 2003. The schedule and sign-up sheets are on the Events page of our web site.

We are planning a OneLiner training class in a European city, in May 2003, and in San Francisco, in September 2003. The arrangements are not yet final, but, when they are, we will post the information on the Events page of our web site.

New Users

Breaker Rating Module

- Bonneville Power Admin., Vancouver, WA
- Baltimore Gas & Electric, Maryland
- ConEd, New York, NY
- Entergy Corp., New Orleans, LA
- Keyspan Energy, Hicksville, NY
- National Grid USA, Northborough, MA
- Public Service Electric & Gas, Newark, NJ

Line Constants Program™

- K.R. Saline & Associates, Mesa, AZ
- National Contracting Co.,, Al-Khobar, Saudi Arabia
- R.W. Beck, Scottsdale, AZ
- Soluciones de Proteccion, Jalisco, Mexico
- S. Texas Electric Coop., Nursery, TX

OneLiner

- Associated Electric Coop., Springfield, MO
- Central Electric Power Coop., Jefferson City, MO
- KAMO Electric Power Coop., Vinita, OK
- M&A Electric Power Coop., Poplar Bluff, MO
- N.E. Missouri Electric Power Coop., Palmyra, MO
- N.W. Electric Power Coop., Cameron, MO
- S. Texas Electric Coop., Nursery, TX
- TRANSCO, Abu Dhabi, UAE
- Soluciones de Proteccion, Jalisco, Mexico
- Utility System Efficiencies, Inc.
- ConEd, New York, NY
- Electro-Test, Inc., Baton Rouge, LA
- GP Technologies, Ltd., Edmonton, Canada
- Navigant Consulting, Inc., Rancho Cordova, CA

Power Flow™

- Clark Public Utilities, Vancouver, WA
- ESCOM, Blantyre, Malawi
- Soluciones de Proteccion, Jalisco, Mexico

Relay Database

- Associated Electric Coop., Springfield, MO
- Central Electric Power Coop., Jefferson City, MO
- ETESAL, de La Libertad, El Salvador
- Electrical Consultants, Inc., Billings, MT
- KAMO Electric Power Coop., Vinita, OK
- M&A Electric Power Coop., Poplar Bluff, MO.
- Municipality of Ancharage, AK
- N.E. Missouri Electric Power Coop., Palmyra, MO
- N.W. Electric Power Coop., Cameron, MO
- S. Texas Electric Coop., Nursery, TX
- TRANSCO, Abu Dhabi, UAE

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