RTDS Software Update

Software and Manuals are on the way!

Seasons Greetings

PSCAD V2.1.18 Software Release for the RTDS

All RTDS users with Warranty or Extended Maintenance Agreements will be receiving a software update this month.

This software release will consist of:

- 1 PSCAD/RTDS™ Manual set (revision 2)
- 1 RTDS User Manual set (revision 2)
- 2 CD ROMs containing software V2.1.18
- WIC operating system update, user will receive four WIC chips per rack of RTDS hardware

PSCAD V2.1.18 software release will be shipped via courier the week of Dec. 1 to 5, 1997. Please confirm receiving your package by email hm@hvdc.ca or fax (204)–452–4303.

If you are interested in the update, but not presently eligible, please contact us for more information.

Conferences

IEEE/PES Winter Meeting

Please visit our hospitality suite in the Hyatt Regency Westshore Hotel during the IEEE/PES Winter Meeting February 1–5, 1998 in Tampa, Florida, USA.

Energy Management Power Delivery Conference (EMPD'98)

Visit us in the exhibition hall at EMPD'98 in Singapore March 3–5, 1998 where we will be demonstrating our latest technology.

As well, Mr. Paul Forsyth and Dr. James Giesbrecht will be presenting two papers at EMPD'98 entitled:

- *Batch Mode Operating Software for Relay Test Applications of the RTDS™ Simulator*
- *Model Development of an Actual HVDC Control for the RTDS™ Simulator*

Please contact us for copies of these publications.

Announcement!!

Now find RTDS Technologies' website at:

www.rtds.com

This new website has been linked to the existing website at http://www.hvdc.ca/~rtds, so the existing site remains valid. There have been no changes to the email addresses.

Capability Improvements with the New Software

PSCAD V2.1.18 software has a number of enhancements over previous versions.

These enhancements include:

- Script language software which facilitates batch mode operation and automated reporting
- RunTime now includes many features of MultiPlot (data manipulation, printing, etc.)
- Automated annotation and time tagging
- Multiple sequencer files for a single Draft case
- T–Line data entry improvements to accept line impedance data or physical geometry
- Preprocessor components to allow the variation of line length or fault resistance directly from RunTime.
- New components:
  - faulted line model
  - oversampling
  - comtrade playback
  - twin circuit pi section with mutual coupling

An optional Controls Compiler is available for users who are interested in creating their own controls models.

First Delivery of New 3PC Hardware

RTDS Technologies has begun delivering its first 3 Processor Card (3PC) for contracts with Chugoku and Medeinsha Corp. of Japan, and GEC Alsthom of Great Britian.

The 3PC represents the next generation in power system simulation tools. This card provides the functionality required to compute increasingly complex power system component models such as:

- Voltage Type Converter (STATCOM)
- Unified Power Flow Controller (UPFC)
- Mutually coupled 12 conductor line model
- Enlarged SVC model with improved firing
- 12 pulse converter with improved firing and internal faults

Growing Demand for Simulation Studies

With the depth of expertise at RTDS Technologies, the demand for power system simulation services has been increasing.

Beckwith Electric of the USA has recently completed testing at the RTDS System Studies Facilities here in Winnipeg. This study involved detailed testing of a prototype relay which Beckwith will be releasing in the new year.

Currently, testing is being done in conjunction with Manitoba Hydro and Northern States Power to confirm the performance of new relays to be installed on the 500 kV series compensated transmission line linking the two utilities. These studies are intended to provide the utilities with confidence that the relays will do the job.