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PSSC 700

PSS®MUST – Using System Transmission Data for Decision Making

Siemens Power Academy TD - NA • usa.siemens.com/pti-education

At a glance

The PSS®MUST software program can efficiently calculate the impact of power transfers on key network elements, identify the most limiting contingencies and constraints, calculate incremental transfer capability (FCITC), and calculate the sensitivity of monitored elements or transfer capability to transactions, generation or load changes. These techniques are useful for a variety of applications such as calculating interface/flowgate transfer limits, determining the impacts of new generator or transmission projects, and calculating generator redispatch/TLR factors for relieving overloads.

In **PSSC 700** participants will gain skills using PSS®MUST to:

- Perform linear (DC) transfer limit analyses to determine ATC, FCITC and PTDF
- Perform AC transfer limit analyses using full AC power flow techniques to verify the most limiting linear calculation limits

- Perform DC and AC contingency analyses and use interactive tools to examine and understand network conditions and limitations at a specified transfer level
- Determine the sensitivity of branch loading or transfer capability to transactions, generation or load changes
- Evaluate the impact of transactions on individual branches or larger subsystems for both base case and contingency conditions
- Create input files to define subsystems, monitored elements, contingencies, and exclude/change data
- Define and monitor flowgates
- Create automation files to automate routine study tasks.

Upon completion of **PSS®MUST – Using System Transmission Data for Decision Making**, participants will know how to better use the interactive functions in PSS®MUST to examine and understand network conditions and limitations.

Prerequisites

Participants must be employees of a company that is a current lessee of PSS®MUST. While no experience with the program is required, it is assumed that participants are familiar with electric network modeling fundamentals and power system analysis methods.

Course structure

This is a three-day course. Material is presented in both morning and afternoon sessions for a total of six hours of daily instruction. Standard course hours are 9:00 a.m. to 4:00 p.m. each day.

To view the PSSC 700 Course Schedule on the web:

https://siemens.coursewebs.com/cart/pageCourseInfo.aspx?Course_ID=PSSC_700

Instructors

All courses offered through Siemens Power Academy are developed and taught by leading industry engineers. In addition to their proven instructional ability, our engineers have advanced degrees complemented by first-hand knowledge and experience solving power system problems throughout the world.

Continuing Education Units (CEUs), Professional Development Hours (PDHs):

Licensed engineers, on a voluntary or mandated basis, attend continuing professional education for licensure renewal to ensure competency. All courses offered through Siemens

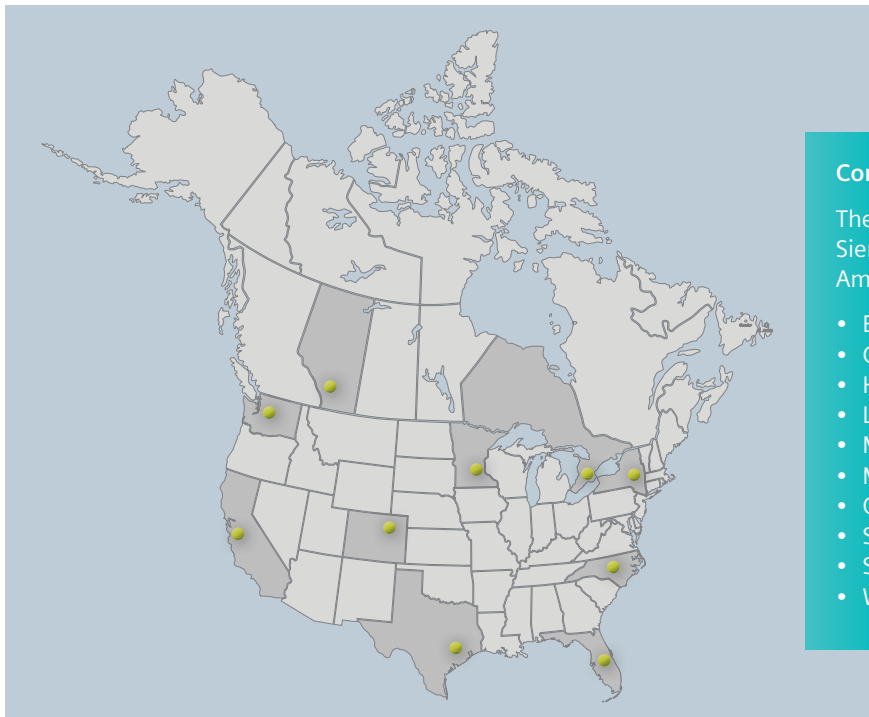
Power Academy meet the requirements for CEUs and PDHs.

- Continuing Education Units (CEUs) are the nationally recognized units for recording participation in professional development and noncredit educational programs. Participants completing this course will be awarded CEUs based on the instructional hours of the course: one CEU is awarded for 10 classroom hours of instruction.
- Professional Development Hours (PDHs) – Continuing education training for the Professional Engineer (PE) – that needs to earn annual Professional Development Hours

(PDHs). Through our instructor-led training, participants earn one PDH for each one hour of instruction. The participant is responsible for maintaining records of courses taken in support of licensure.

Client site and custom training

All courses are available for presentation at any client's location by special arrangement. At client sites, it is recommended that sufficient computer terminals be available to enable a fully interactive and productive class, if applicable. Client site courses can also be tailored to address specific topics of local importance.



Convenient training locations

The course is scheduled on a regular basis at Siemens offices located throughout North America, including:

- Burlington, Ontario, Canada
- Calgary, Alberta, Canada
- Houston, Texas, USA
- Littleton, Colorado, USA
- Minnetonka, Minnesota, USA
- Mountain View, California, USA
- Orlando, Florida, USA
- Schenectady, New York, USA
- Seattle, Washington, USA
- Wendell, North Carolina, USA

Contact us

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