PSS®E Xpress – More Than Just a Viewer, an Essential Power Flow Toolbox!

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In recent years, major blackouts around the world have increased awareness regarding the benefits of accurate modeling for improved system planning. Municipalities and cooperatives that have traditionally relied on regional independent system operators (ISOs) or transmission owners (RTOs) to provide planning modeling, now need to be actively involved to ensure the accuracy of their own system representation. To streamline the process of exchanging data with their ISO, RTO, or other governing body, utility companies, municipalities and cooperatives need a solution to perform essential tasks in a cost-effective manner.

To address these challenges Siemens PTI offers PSS®E Xpress. Derived from our market-leading PSS®E transmission planning software and a 40-year heritage, PSS®E Xpress includes essential functions for modeling and data exchange.

On a tight budget but still need to comply with modeling standards?
Model and analyze your network for less than US$11 a day! The PSS®E Xpress power flow toolbox will make your day-to-day tasks easier:

- **Model development:** Complete PSS®E data modeling capability provides the flexibility to view and edit existing cases or create new ones
- **Power flow solution:** Includes solution methods Newton Raphson, Gauss-Seidel and our unique non-divergent solution option to investigate difficult-to-converge cases
- **Data checking:** Verify valid power flow data entry to help ensure network conditions and equipment ratings are within operational limits
- **Reporting:** Over 30 types of customizable one-click reports are included and combined with our powerful visualization tools to quickly and effectively highlight system response characteristics
- **Process automation:** The ability to record and play a sequence of tasks is deployed through Python® and/or response file scripting

Do you need to get it right the first time?
Compile trustworthy models with proven technology. Built upon the proven success of PSS®E, PSS®E Xpress has:

- Data categories to model all commercially available equipment
- Flexible power flow calculation and reporting features
- Data checking functions
- Reporting functions that output information in graphic displays

Is your regional entity, ISO or neighboring utility using PSS®E?
Speak the same language to avoid conversion or translation errors. PSS®E Xpress enables you to:

- View the power system the same way they do
- Exchange modeling information with the regional entities
- Report and identify potential dangers to your system reliability
Are you concerned about learning new software?
Use an intuitive Windows®-based solution developed by engineers for engineers! Siemens PTI offers a number of fast and convenient ways to become a PSS®E Xpress expert!

- **Web site:** Receive 24/7 access to the customer service and the user-exclusive product support web sites
- **Online Manual:** The product installation includes the PSS®E Xpress Users Guide designed to take you through your work flow step-by-step
- **Customer Service:** Finding the answer is easy through our customer relationship management (CRM) system. Submit questions to our consulting engineers and product support staff by completing the Siemens PTI Product Support web form at [https://www.pti-us.com/pti/software/support/support.cfm](https://www.pti-us.com/pti/software/support/support.cfm)

Do you need to model unbalanced networks and calculate short circuit fault currents?
For an additional US$5.50 per day PSS®E Xpress Plus is your solution!

- Many types of unbalances and short circuit calculations are built into the module
- Multiple faults can be applied simultaneously
- Follows both ANSI and IEC standards

Watch an informational PSS®E Xpress video [here](https://www.pti-us.com/pti/software/support/support.cfm). For more information or to order PSS®E Xpress [click here](https://www.pti-us.com/pti/software/support/support.cfm).