About PSS®E Version 32.0.5

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PSS®E Version 32, released in June 2009, includes a number of dramatic enhancements driven by customer requests. In October 2010, Version 32.0.5 was released. The major enhancements in these versions include:

- Improved presentation of AC contingency calculation (ACCC) results
- N-1-1 contingency analysis
- Extensive dynamics models representing renewable generation, excitation systems and power system stabilizers (PSS)
- Substation Reliability Assessment (SRA)
- Enhanced integrated plotting program for dynamics simulation

All PSS®E modules are incorporated into one single interface. Users can run the full spectrum of activities for analysis in steady-state, short circuit, optimum power flow and dynamics, and plot all results under one structure. Advanced users may even drive PSS®E via the Python® engine directly without launching the Microsoft Windows® interface.

Version 32.0.5 is equipped with the PSLF format converter for both steady-state and dynamics data, and fully supports PSLF Version 17.

To comply with WECC requirements, important new dynamic simulation models have been added, such as continuously and discretely controlled SVC, generic STATCOM, single-phase AC motor, and composite load models. Dynamic simulation models for photovoltaic (PV) systems are also available.

In order to display complicated simulation results on one-line diagrams, users can now write Python programs and attach them to the diagrams. The automation file will be executed automatically whenever the diagram results are updated.

For more details, visit our PSS®E web site.