PSAT 23.0 Release Notes

This document summarizes the new features and enhancements available in PSAT version 23.0. All changes included are from PSAT version 22.0. For more details on these changes, please refer to PSAT manuals.

1. Support 'Voltage-Q Droop' control mode of Power Plant Controller (PPC).

2. Support 'Adjust PPC' global on/off switch in the solution parameters.

3. Support new options to reduce node-breaker topology analysis message output volume.

4. New Python version support added to Python versions 3.10 and 3.11.

5. Logic change for 'Jumper Device' in PSSE RAWD substation data: treat them as switch instead of breaker.

6. For non-transformer branch in v34+ PSSE RAWD file, if the equipment name is not given, and the NAME field is not empty, use NAME as the equipment name.

7. Support switching devices with STYPE=2 or 3 in PSSE RAWD system switching device data.

8. Support importing of PSSE RAWD v35+ powerflow data file where multiple switchable shunts connect to the same bus.