

## 2025 ITP Preliminary Base Reliability (BR) Powerflow Model Information – Pass 5

### Material Disclaimer

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### • **Action Required**

SPP staff is requesting stakeholder feedback on the 2025 ITP BR Powerflow models – Pass 5, and supplemental data posted today, as follows:

- Please verify topology is modeled appropriately
  - Please submit topology updates as PSS®E version 35.3 idev files; any questions or feedback should be submitted through the [SPP Request Management System \(RMS\)](#).
    - When submitting projects and profiles to MOD or post processing idevs, please use the following naming convention:
      - Prefix the project/profile name with your owner/area number underscore company name underscore XXXX OR company name underscore XXXX if you do not have an area/owner number. For example:
        - **Project name:** 525\_WFEC\_Midwest-Franklin\_Rebuild.prj or Nextera\_Add\_GenX.prj
        - **Profile name:** 659\_BEPC\_2017MDAGP4-18S or Nextera\_2017MDAGP4-18S
      - The file name should be separated by underscores instead of spaces (*e.g.*, 525\_Patent\_Gate.prj)
      - For NTC projects, include the UID or PID number at the end. For example, 659\_Patent\_Gate\_UID300.prj or 659\_Patent\_Gate\_UID300.idv

As a reminder, the following Base Reliability models will be used for the 2025 ITP:

- 2026 Base Reliability Light Load, Summer, and Winter models
- 2029 Base Reliability Light Load, Summer, and Winter models
- 2034 Base Reliability Light Load, Summer, and Winter models

Please note that because of SCRIPT C2/C3 efforts the 2024 series MDAG and 2025 ITP models are **NOT** being built in parallel. SPP have built the ITP BR models first and will now begin the build of the MDAG models from these completed ITP BR models. Please refer to the model build schedule located on the SPP corporate website under the MDAG page ([2024 Series MDAG / 2025 ITP Powerflow and Short Circuit Model Build](#)) for the different deadlines and milestones.

### • **Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG and MDAG stakeholders. Data Submitters should review the

posted Pass 5 Models. Any corrections should be submitted solely through IDEVs for use in the ITP BR Initial Final Pass Models. MOD submissions will not be accepted.

- **Due Date and Method of Submittal**

Please provide topology updates by **Friday, February 9, 2024** through (**RMS**). For any questions or feedback, please submit those by **Friday, February 9, 2024** through the SPP Request Management System (**RMS**) using the “Submit Information” Request Template, “Integrated Transmission Planning (ITP)” Subtype 1, and “Data Submission” Subtype 2.

- **Changes from Last Pass**

- Member feedback from Pass 4

- **File location on [GlobalScape](#)**

*For users who have signed an SPP non-competitive duty NDA:*

This file can be found on GlobalScape under: ITP → ITP → NCD (CEII, RSD) → NDA → 2025 ITP → Powerflow Models in the “Pass 5” folder.

File Name	Description
2025 ITP Pass 4 - 2025 Pass 5 Compare.zip	Comparison of 2025 Pass 4 – 2025 ITP Pass 5
2025_ITP_Pass5_Raw_V35.zip	Models in .RAW file format
2025_ITP_Pass5_Sav_V35.zip	Models in .SAV file format
2025_ITP_Pass5_Docucheck.xlsx	SPP DocuCode modeling information identifying information overviews (blue tabs), suspect conditions (orange tabs), and errors (red tabs)
2025_ITP_Pass5_NTC_Checker.xlsx	Workbook comparing TRAC NTC ratings vs model ratings
2025_ITP_Pass5_Raw_NB_V35.zip	Models in .RAW file format with Node Breaker data
2025_ITP_Pass5_Sav_NB_V35.zip	Models in .SAV file format with Node Breaker data
2025_ITP_Pass5_Islands_&_Raw_Read_Warnings.xlsx	Contains islands and raw read warning errors prior to tweaking and solving the models. These winding errors and islands need to be reviewed and corrected.
2025_ITP_Pass5_DocuGraph.xlsx	SPP DocuGraph

- **IMPORTANT NOTE**

- **MMWG Powerflow (PF) Checker**

- SPP Staff **highly recommends** that the MMWG PF Checker is utilized before submitting updates. This tool was developed by MMWG to enable Data Submitters validate powerflow models before submitting updates to SPP (PC). Data Submitters should use this tool to verify and correct any data prior to submitting any updates to SPP in current and ensuing passes/iterations. The tool including the instructions manual is posted on Globalscape at the

following directory: Modeling (CEII, RSD) → MDAG Series → Powerflow → x. Automation Files  
→ 1. Powerflow Checker

- **Helpful Links and Access**

If you do not already have access to these documents in [GlobalScape](#), see the instructions for [confidentiality agreements](#) and submit the appropriate form via [RMS](#) using "Initiate a System Access Action" **Request Template**, "Globalscape File Sharing" **Subtype 1**, "Add User" **Subtype 2** and "SPPDocushare / Engineering / TCR Models". [GlobalScape](#) frequently asked questions can be found in [Knowledgebase Article 686](#). Other helpful links can be found on [SPP.org](#).