

2024 ITP Base Reliability (BR) Short Circuit Model Information – Initial-Final

- **Action Required**

SPP staff posted the Initial-Final - 2024 ITP BR Short Circuit models and supplemental data, and is requesting Stakeholder feedback as follows:

- Please verify topology is modeled appropriately
 - Please submit topology updates as PSS® E version 35.3 idev files **as well as any questions or feedback** 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_2023MDAGP4-25S or Nextera_2023MDAGP4-25S
 - 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 2024 ITP:

- 2025 Base Reliability Summer
- 2028 Base Reliability Summer
- 2033 Base Reliability Summer

The 2023 series MDAG and 2024 ITP models are being built in parallel; however, the models will be posted separately. Please refer to the model build schedule located on the SPP corporate website under the MDAG page ([2023 Series MDAG 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

- **Due Date and Method of Submittal**

- **SPP staff will be requesting approval of the 2024 ITP Base Reliability Initial-any Final Short Circuit models from TWG during the TWG Net Conference on March 28, 2023.**

- Please submit any topology updates as an idev as well as any questions or feedback, by **Friday, March 24, 2023** through the SPP Request Management System (RMS) using the “Submit Information” Request Template with Subtype 1 as “Integrated Transmission Planning (ITP)” and Subtype 2 as “Data Submission”. Any data submitted via RMS beyond the deadlines above will be considered late and will follow the ITP Manual Section 10.3 process.

- **Changes from Last Pass**

- Member feedback from Pass 2 Trial 2
 - SWPA – Update Missing Slack Machine
 - SUNC – Update Max Fault Files
 - KACY – Non-PSSE User Update
 - OPPD – Exception File Update and 2 Winding Transformer Update
 - BEPC – Zero Sequence Update
 - ITCGP – Transformer and Generator Updates
 - Acciona – Exception File Update
 - San Juan Mesa Update
 - Wildorado Update
 - Campbell County Update

- **Modeling Notes**

- Models are named with the initials IF for Initial-Final, but these models will still need approval from membership.

- **Material Disclaimer**

CONTAINS CONFIDENTIAL AND PROTECTED MATERIAL NOT AVAILABLE TO COMPETITIVE DUTY PERSONNEL – DO NOT RELEASE

- **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 → 2024 ITP → Short Circuit Models in the “Initial Final” folder.

File Name	Description
2024 ITP SC IF Sav.zip	Short-circuit models in PSSE version 35.3
2024 ITP SC IF Raw & Seq.zip	Short-circuit models in raw and seq format
Max_Fault_Offline_Facilities_ITP.zip	Facilities that should not be online for the max fault scenario
2024 ITP SC IF DocuCode.zip	List of possible errors that need reviewing
2023MDAGPF_Exception_Template_File_for_PFS C.xlsx	Exceptions list for Powerflow and Short Circuit
Preliminary Fault Currents.zip	Preliminary bus-fault and line-outs results

- **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 the "Initiate a System Access Action" **Request Template**, "Access" **Request Type** "Globalscape File Sharing" **Subtype 1**, "Add User" **Subtype 2** and "SPPDocushare / Engineering / TCR Models" **Subtype 3**. [GlobalScape](#) frequently asked questions can be found in [Knowledgebase Article 686](#). Other helpful links can be found on [SPP.org](#).