

2023 ITP Base Reliability (BR) Powerflow Initial-Final Model Information

- **Action Required**

The 2023 ITP Base Reliability (BR) Powerflow Initial-Final models and supplemental data will be posted to [GlobalScape](#) by **Friday, March 18, 2022**. SPP Staff built models using PSS®E version 34.8. SPP staff is requesting stakeholder feedback as follows:

- Please verify topology is modeled appropriately
 - Please submit topology updates as PSS®E version 34.8 idev files through the [SPP Request Management System \(RMS\)](#); any questions or feedback should be submitted through the [SPP Request Management System \(RMS\)](#). PSS®E version 34.8 idev files are used to update the current model set. The submission of a MOD project is required for inclusion in the next model build.
 - 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_2017MDWGP4-18S or Nextera_2017MDWGP4-18S
 - 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 2023 ITP:

- 2024 Base Reliability Light Load, Summer, and Winter models
- 2027 Base Reliability Light Load, Summer, and Winter models
- 2032 Base Reliability Light Load, Summer, and Winter models

The 2022 series MDAG and 2023 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 ([2022 Series MDAG Powerflow and Short Circuit Model Build](#)) for the different deadlines and milestones.

Note: PSS®E version 34 models are posted on GlobalScape at the link below; PSS®E version 33 models are available upon request.

- **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 2023 ITP Base Reliability Initial-Final Powerflow models from TWG via email on March 28, 2022.**
 - For any topology updates, questions or feedback, please submit those by **Friday, March 25, 2022** through **RMS** using the **“Initiate a System Access Action” Request Template**, **“Submission” Request Type**, and **“Integrated Transmission Planning (ITP)” SubType1**, and **“Data Submission” Subtype 2**. 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 submitted Profile and Topology updates associated with the SPP Request of Pass Pre-Final
 - Applicable recent corrections to the 2022 MDAG/MDWG Models affecting the 2023 ITP BR models.
- **Modeling Notes:**
Models are named with the initials IF for Initial Final, but these models will still need approval from membership. This pass was renamed Pre-Final to correspond with the MDAG model build.
- **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 → 2023 ITP → Powerflow Models in the **“Initial-Final”** folder.

File Name	Description
2022 Final - 2023 Pass IF Compare.zip	Comparison of 2022 ITP Final – 2023 ITP Pass IF
2023_ITP_PassIF_Raw_V34.zip	Models in .RAW file format. Excludes Node Breaker
2023_ITP_PassIF_Sav_V34.zip	Models in .SAV file format. Excludes Node Breaker
2023 ITP Pass IF Dispatch Results.xlsx	Transactions, shortfall, and potential dispatch errors
2023 ITP Pass IF NTC Check.xlsx	Workbook comparing TAGIT NTC ratings vs model ratings
2023_ITP_PassIF_Docucheck.xlsx	SPP DocuCode
2023_ITP_PassIF_DocuGraph.xlsx	Graphical representation of Load and Generation

- **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**, and **“Globalscape File Sharing (Maps, Models, Cases, etc)/SPPDocushare / Engineering / TCR Map / Models” SubType1**. [GlobalScape](#) frequently asked questions can be found in [Knowledgebase Article 686](#). Other helpful links can be found on [SPP.org](#).