

2022 ITP Base Reliability Powerflow Initial Final Model Information

- **Action Required**

The 2022 ITP Base Reliability (BR) Powerflow Final models and supplemental data including Performance testing ACCC results will be posted to [GlobalScape](#) by **8:00 am Monday, March 8, 2021**. SPP staff is requesting stakeholder feedback as follows:

- Please verify topology is modeled appropriately
 - Please submit topology updates as PSS®E version 34 idev files through the [SPP Request Management System \(RMS\)](#); 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_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 2022 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 2021 series MDWG and 2022 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 MDWG page ([2021 Series MDWG and 2022 ITP 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 MDWG stakeholders

- **Due Date and Method of Submittal**

- **SPP staff will be requesting approval of the 2022 ITP Base Reliability Initial Final Powerflow models from TWG via email on March 12, 2021.**
- Please review and provide any feedback via the SPP Request Management System ([RMS](#)) under the “ITP-Data Submission” Quick Pick.

Please provide topology updates by **Friday, March 12, 2021** through **RMS**. For any questions or feedback, please submit those by **Friday, March 12, 2021** through **RMS** under the “ITP-Data Submissions” Quick Pick. 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 3
- Applicable recent corrections to the 2021 MDAG/MDWG Models affecting the 2022 ITP BR models.

- **Modeling Notes:**

- An SVC was added at the Phantom Substation in the 2032 Summer and 2032 Light Load cases in order to solve the particular seasonal models in accordance with ITP model solving requirements.
- Due to potential Node Breaker concerns and the recent Winter Storm Event affecting the Mid United States, all Node Breaker and Topology Updates will not be considered late if submitted by March 12, 2021.

- **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 → 2022 ITP → Powerflow Models in the “Initial Final” folder.

File Name	Description
2022 Pass 2 - 2022 Pass 3 Compare.zip	Comparison of 2022 ITP Pass 2 – 2022 ITP Pass 3
2022_ITP_Pass3_Raw_V34.zip	Models in .RAW file format
2022_ITP_Pass3_Sav_V34.zip	Models in .SAV file format
2022_ITP_Pass3_Raw_V34_excludesNB.zip	Models in .RAW file format excluding Node Breaker Data
2022_ITP_Pass3_Sav_V34_excludesNB.zip	Models in .SAV file format excluding Node Breaker Data
2022 ITP Pass 3 Dispatch Results.xlsx	Transactions, shortfall, and potential dispatch errors
2022 ITP Pass 3 NTC Check.xlsx	Workbook comparing TAGIT NTC ratings vs model ratings
2022_ITP_Pass3_Docucheck.xlsx	SPP DocuCode
2022_ITP_Pass3_DocuGraph.xlsx	Graphical representation of Load and Generation
2022_ITP_Pass3_ACCCRResults.zip	ACCC results from initial final models

- **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 “GlobalScape Access Request” Quick Pick. Other helpful links can be found on [SPP.org](#).