

## 2023 ITP Short-Circuit Model Information - Pass 1 Trial 1

- **Action Required**

SPP staff is requesting feedback on the 2023 ITP Short-Circuit models – Pass 1 Trial 1. The models are being built using PSS®E version 34.

As a reminder, a year 2 summer peak model will be used for the 2023 ITP short-circuit assessment in consideration of NERC Standard TPL-001. ITP needs will be identified from this Short-Circuit model.

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 and 2023 ITP Powerflow and Short Circuit Model Build](#)) for deadlines and milestones.

- **Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG and MDAG stakeholders

- Data Submitters should review the models to ensure that all submitted updates were implemented correctly. SPP staff should be notified of any discrepancies in a timely fashion.
- If there are any facility exceptions that need to be considered in the exceptions file, please provide updates.
- DocuCheck provides a list of values that are outside of tolerance or are in error, please review and provide updates.
- If there are updates to the list of facilities that should not be online for the max fault scenario, please provide updates for that file.
- Sequence data changes should be provided via SPP Model On Demand (MOD). For non-MOD or PSSE users updates can be uploaded to [GlobalScape](#) at the following directory:
  - **ITP → ITP → NCD (CEII, RSD) → NDA → 2023 ITP → Short Circuit Models → Pass 1 Trial 1**
- Any questions, feedback, updates and/or corrections can be sent to [SPPEngineeringModeling@spp.org](mailto:SPPEngineeringModeling@spp.org)

- **Due Date and Method of Submittal**

Please provide topology updates by **Friday, October 1<sup>st</sup>, 2021** through **MOD**. For any questions or feedback, please submit those by **Friday, October 1<sup>st</sup>, 2021** through the SPP Request Management System (**RMS**) under the “ITP-Data Submissions” Quick Pick. If there are no changes to submit, please send an email to [SPPEngineeringModeling@spp.org](mailto:SPPEngineeringModeling@spp.org) stating that there are no changes that will be submitted to SPP for this model build pass.

- **Notes for Current Pass**

- Three new MEC tie lines that will be incorporated into the next model build upon additional information from MEC.
- A handful of branches with blank zero-sequence data values in the RLINZ and XLINZ fields required data changes to “0.0” to properly process the models. This issue appears to be a PSSE version 34.8.1 issue that will need further review with PTI.

- GRDA - 300982,513038,'Z1',
- WAPA - 659348,659349,'1 ',
- 10 SERC branches

- **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 → Short Circuit Models in the “Pass 1 Trial 1” folder.

File Name	Description
2023 ITP SC Pass 1 Trial 1 Sav.zip	Short-circuit models in PSSE version 34
2023 ITP SC Pass 1 Trial 1 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
2023 ITP SC Pass 1 Trial 1 DocuCode.zip	List of possible errors that need reviewing
2022MDAGP1T1_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

\*Preliminary Fault Currents will be posted on 9/13/2021

- **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](#).