

## 2024 ITP Aux Files and Preliminary Reliability Violations Posting Information

As a part of the 2024 ITP Needs Assessment, this posting contains the auxiliary files and preliminary reliability violations. The preliminary reliability violations posting is to support the comprehensive list of needs to be posted, as detailed in Section 4.2 of the ITP Manual, by way of stakeholder submitted violation invalidations. The violations posted are for the Base Reliability Models only. Some additional violations will be added in the final comprehensive needs list. The Winter Weather Model, Base Reliability Model P3-event violations, prior-year Market Powerflow Model violations, and potentially some additional Base Reliability Model violations will be added to the final needs posting.

### 2024 ITP Needs Assessment Schedule Highlights

- Preliminary Reliability Violation Invalidation: Nov. 28, 2023 – January 12, 2024
- Final Comprehensive Needs List Posting: February 15, 2024
- DPP Window: February 16, 2024 – March 17, 2024

- **Action Required**

SPP requests that all interested parties review the auxiliary files used for the 2024 ITP Needs Assessment.

SPP requests that all interested parties review the 2024 ITP Preliminary Reliability Violations and inform SPP of any reasons for invalidation following the guidelines in the Reliability Violation Invalidation User Guide.

- **Entities Required to Provide Feedback:**

All interested stakeholders; primarily, Transmission Owners and TWG members

- **Feedback Method of Submittal**

Please review and provide any feedback via the [SPP Request Management System \(RMS\)](#) using the "Initiate a System Access Action" **Request Template**, "Submission" **Request Type**, and "Integrated Transmission Planning (ITP)" **SubType1**, and "Data Submission" **Subtype 2**.

- **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 Non-Disclosure Agreement:*

- The auxiliary files utilized for the 2024 ITP Assessment can be found on [GlobalScape](#) under “ITP → ITP → NCD (CEII, RSD) → NDA → 2024 ITP → Aux Files
- The preliminary reliability violations and support files utilized for the 2024 ITP Assessment can be found on [GlobalScape](#) under “ITP → ITP → NCD (CEII, RSD) → NDA → 2024 ITP → Preliminary Reliability Violations”

Folder Name	Description
Aux Files	<ul style="list-style-type: none"> <li>• Subsystem definition file</li> <li>• Base case monitored elements file with interfaces (summer and winter)</li> <li>• Monitored elements file</li> <li>• Contingency files (member-submitted contingencies, auto N-1 branches, auto N-1 generators, auto N-1 shunts)</li> <li>• Contingency error files (member-submitted contingencies)</li> <li>• Invalid Contingencies 2024 ITP.xlsx</li> </ul>
Preliminary Reliability Violations	<ul style="list-style-type: none"> <li>• 2024 ITP Preliminary Reliability Violations.xlsx</li> <li>• Reliability Violation Invalidation User Guide.docx</li> <li>• SPP Reliability Violations Invalidation Template-Example.xlsx</li> <li>• SPP Reliability Violations Invalidation Template.xlsx</li> </ul>

- **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](#).

- **SPP Reliability Violations Invalidation Template Submission**

- The SPP Reliability Violations Invalidation Template has been created for the 2024 ITP assessment.

- SPP recommends that PSS®E files should be submitted using commands or syntax in the recommended versions to avoid the risk of improper application of desired solutions.
- For the 2024 ITP Assessment, the following versions were used and are the recommended version for any data supplied to SPP in support of a submitter's DPP:
  - PSS®E: Version 35.3.2

### ***SPP Evaluation of Model Changes Not Included in the Approved Model Set***

SPP staff will evaluate the impacts of model changes submitted during the 2024 ITP Preliminary Reliability Violation Invalidation window, as appropriate. As noted in the SPP Reliability Violations Invalidation Template, please use the *Model Correction Invalidation Type* if your Submission includes a model correction. This includes model corrections submitted after the models were approved by either the TWG or ESWG, known Notification to Construct (NTC) projects not included in the approved model set, and modeled NTCs that have been withdrawn or will be withdrawn during the development of transmission portfolios.

- No changes will be made to the current base models to capture the impacts of model changes during initial project screening, specifically:
  - Defined needs will be based on the current approved models
  - All solutions will be screened against the approved reliability models without consideration of model changes
  - The impacts of all model changes will be captured and considered in development of the transmission portfolio
  - No new needs will be identified due to the impact of any model changes; any new violations will be assessed in future studies
  - Model corrections will be evaluated to determine the impact on posted transmission violations and either utilized to invalidate system violations or as solutions in development of the transmission portfolio(s)
  - Current NTCs not already modeled will be evaluated and utilized as potential solutions to transmission needs; this is not to be considered a re-evaluation of those existing NTCs