

2022 ITP Reliability Violations Posting Information

SPP is conducting the 2022 ITP Assessment under a mitigated scope and schedule, with an expected completion date of October 2022. As a result, SPP will conduct a reliability-only (including short circuit) needs assessment, as detailed in Section 4.2 of the ITP Manual¹, resulting in a comprehensive list of needs being posted for SPP stakeholders. In support of this posting, SPP has posted a list of preliminary reliability violations.

2022 ITP Schedule Highlights

- Preliminary Reliability Violation Invalidation: February 10, 2022 – March 10, 2022
 - DPP Window: April 12, 2022 – May 10, 2022
 - TWG/ESWG Approval of 2022 ITP: October 3, 2022
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- **Action Required**
SPP requests that all interested parties review the 2022 ITP 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
 - **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 2022 ITP Assessment can be found on [GlobalScape](#) under "ITP → ITP → NCD (CEII, RSD) → NDA → 2022 ITP → AUX Files"

¹ Because there is no economic evaluation in the 2022 ITP Assessment, an evaluation of the Market Powerflow Models described in Section 4.2.2 is excluded from the 2022 ITP.

Folder Name	Description
2022 ITP AUX Files	<ul style="list-style-type: none"> • Subsystem definition file • Base case monitored elements file • Monitored elements file with interfaces (summer and winter) • Updated 02-10-2022 to include MISO contingencies: Contingency files (member-submitted contingencies, auto N-1 branches, auto N-1 generators, auto N-1 shunts) • Updated 02-10-2022 to include MISO contingencies: Contingency error files (member-submitted contingencies)

- The preliminary reliability violations and support files utilized for the 2022 ITP Assessment can be found on [GlobalScape](#) under "ITP → ITP → NCD (CEII, RSD) → NDA → 2022 ITP → Preliminary Reliability Violations"

Folder Name	Description
Preliminary reliability violations and support files	<ul style="list-style-type: none"> • 2022 ITP Preliminary Reliability Violations.xlsx • Reliability Violation Invalidation User Guide.docx • SPP Reliability Violations Invalidation Template- Example.xlsx • SPP Reliability Violations Invalidation Template.xlsx

- **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 2022 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 2022 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 34.7.0

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

SPP staff will evaluate the impacts of model changes submitted during the 2022 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