

2021 ITP Needs Assessment Posted

The 2021 Integrated Transmission Planning (ITP) Assessment Detailed Project Proposal (DPP) Transmission Planning Response Window (“DPP Window”) opens at 12:00 a.m. CDT (midnight) May 11, 2021, and will remain open until June 9, 2021 at 11:59 p.m. CDT.

2021 ITP DPP Window Information

All DPP and non-DPP stakeholder submittals need to be received by **11:59 p.m. CDT on Wednesday, June 9, 2021**, in order to meet assessment timelines. Non-DPP submittals may include, but are not limited to, operating guides, model corrections, and Order 890 solutions (such as submittal for company-specific local planning criteria). Any submittals received after that date are not guaranteed to be evaluated in the 2021 ITP Assessment.

The [updated DPP Submittal Form](#) is the preferred method for receiving **all** solution submittals, including non-DPP and Order 890 solutions. This form has been updated for 2021.

2021 ITP Needs Assessment Information

As part of the ITP assessment, SPP conducts economic, reliability, public policy, short circuit, and operational needs assessments, as detailed in Section 4 of the [ITP Manual](#), which results in a comprehensive list of needs being posted for SPP stakeholders. The DPP Submittal Form updates and other Needs Assessment information is included in the [2021 ITP Needs Assessment Posting Information](#) document posted along with the needs assessment. Topics in that document are itemized below:

- DPP Submittal Form Updates
- 2021 ITP Needs Assessment
 - 2021 ITP Target Areas
 - Butler-Altoona 138 kV Line
 - Midwest-Franklin Operational Need
 - SPP Evaluation of Model Changes Not Included in the Approved Model Set
 - Informational Needs
 - Event File Changes During Economic Portfolio Development
 - Need Overlap and Project Screening Efforts
 - Seams Consideration(s)
- DPP Submittal Expectations
 - Interface Rating Changes
 - Inclusion of Proxy Resources and Transmission Topology
 - Removal of Proxy a static var compensator (SVC)
 - Removal of Proxy combined cycle (CC) and generator outlet facilities (GOF)
 - Solutions to Non-Converged Needs
- 2021 ITP Staff Solution Development
 - SPP Staff Standard Impedance Solution Development Information
 - Facility Ratings

- Data used for SPP ITP Staff Solutions
- Conceptual Cost Estimates

File locations on [GlobalScape](#)

Material Disclaimer

CONTAINS CONFIDENTIAL AND PROTECTED MATERIAL NOT AVAILABLE TO COMPETITIVE DUTY PERSONNEL – DO NOT RELEASE

Needs Assessment and Target Area Scope documents

The 2021 ITP needs assessment and Target Area Scope document can be found on [GlobalScape](#) under *ITP → ITP → **NCD (CEII, RSD)** → NDA → 2021 ITP → **Needs Assessment and Target Areas AND ITP** → ITP → **CD (CEII)** → NDA → 2021 ITP → **Needs Assessment and Target Areas***

File Name	Description
2021 ITP Needs Assessment.xlsx	Needs assessment document including all needs, violations, and supplemental information
Solve idevs.zip	ACCC Load flow Parameters
2021 ITP SPS South Target Area Study Scope and Interface Guidelines.pdf	Process and supplemental data for SPSNMTIES interface evaluation
2021 ITP Bakken Target Area Scope.pdf	Background and supplemental data to support Bakken target area analysis

Final Models Information

The 2021 ITP models utilized for this needs assessment are posted on GlobalScape using the file paths listed below:

- Base Reliability Powerflow Models
 - *ITP → ITP → **NCD (CEII, RSD)** → NDA → 2021 ITP → 2021 ITP Powerflow Models → Final → **Final Powerflow Models***
- Market Economic Models
 - *ITP → ITP → **NCD (CEII, RSD)** → License_NDA_JointSPPMISO → **2021 ITP***
- Short-Circuit Models
 - *ITP → ITP → **NCD (CEII, RSD)** → NDA → 2020 ITP → 2021 ITP Short-Circuit Models → **Final***

Auxiliary Files: SUB/MON/CON/INVALID CON Data

The auxiliary files utilized for the 2020 ITP Assessment can be found on [GlobalScape](#) under *ITP → ITP → **NCD (CEII, RSD)** → NDA → 2021 ITP → **AUX Files***

File Name	Description
2021 ITP AUX Files.zip	Zip file containing Subsystem file, Base case monitored elements file, Monitored elements file, Contingency files (member-submitted contingencies)
P3_Contingency_Files.zip*	P3 contingency files

File Name	Description
Invalid Contingencies 2021 ITP.csv	Invalid contingencies file

***Note:** PSS®E version 34.6.1 has a 12-character upper limit for contingency labels, and several of the contingencies in the contingency files have labels that exceed 12 characters. These P3 event files contain the individual elements that were paired together to make the complete P3 event. Completed P3 events that were associated with a need will be posted in the needs assessment.

Needs associated with contingencies listed in the invalid contingency file (InvalidContingency_2021_ITP.csv) are included in this posting to ensure any actual valid contingency listed as invalid was posted for consideration. If you observe contingencies that are incorrectly considered valid or invalid in the posted needs assessment, please submit an [RMS](#) ticket indicating the reason why the contingency should be reclassified as valid or invalid. Needs associated with invalid contingencies will be invalidated.

Target Area Information

In order to obtain access to SPP's current PROMOD version, please email PB_Support.PGES@abb.com and request PROMOD version 11.2.0.

For users who have signed an NCD NDA, ABB NDA, MISO-SPP Joint NDA, and license ABB PROMOD nodal simulation ready software:

These files can be found on [GlobalScape](#) under: *ITP → ITP → NCD (CEII, RSD) → License_NDA_JointSPPMISO → 2021 ITP → Needs Assessment and Target Areas*

File Name	Description
2021_ITP_MEM_Final_Pass.zip	2021 ITP MEM Final Pass
2021_ITP_MEM_Sensitivity_Pass.zip	2021 ITP MEM Sensitivity Pass

For users who have signed an SPP non-competitive duty NDA:

These files can be found on [GlobalScape](#) under: *ITP → ITP → NCD (CEII, RSD) → NDA → 2021 ITP → Needs Assessment and Target Areas.*

File Name	Description
2021 ITP BR Final Sav.zip	2021 ITP BR Final Pass
2021 ITP Base Transfer Cases.zip	2021 ITP Base Transfer Cases
2021 ITP Sensitivity Transfer Cases.zip	2021 ITP Sensitivity Transfer Cases
2022 ITP BR Initial Final_v2.zip	2022 ITP BR Initial Final Pass (with select updates)
2021 ITP SPS South Target Area Scope	Background and supplemental data to support SPS South target area analysis
2021ITP_SPSNMTIES_INTERFACE_TransferCases_31S.idv	Siemens PSS/E IDEV file used to develop Transfer Case Powerflow Models for Study Scope

File Name	Description
Incremental Contingencies.con	2021 ITP incremental contingencies for Target Areas to include additional P3, MOPC Action Item 302, and NERC TPL-001-4 only contingencies

As a reminder, instructions for requesting access to the model information can be found on the SPP website [here](#).

Description	Deadline
DPP/non-DPP Transmission Planning Response Window	June 9, 2021, 11:59 PM CDT

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](#).