

## 2020 ITP Needs Assessment Posted

**The 2020 Integrated Transmission Planning (ITP) Assessment Detailed Project Proposal (DPP) Transmission Planning Response Window (“DPP Window”) opens at 12:00 a.m. CDT (midnight) March 25, 2020, and will remain open until April 23, 2020 at 11:59 p.m. CDT.**

### 2020 ITP DPP Window Information

All DPP and non-DPP stakeholder submittals (non-DPPs, such as operating guides, or Order 890 solutions, such as submittal for company-specific local planning criteria) need to be received by **11:59 p.m. CDT on Thursday, April 23, 2020**, in order to meet assessment timelines. Any submittals received after that date are not guaranteed to be evaluated in the 2020 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 2020.

### 2020 ITP Needs Assessment Information

The DPP Submittal Form updates and other Needs Assessment information is included in the [2020 ITP Needs Assessment Posting Information](#) document posted along with the needs assessment. Topics in that document are itemized below:

- DPP Submittal Form Updates
- 2020 ITP Needs Assessment
  - MISO Regional Directional Transfer Target Area
  - Additional of the SPSNMTIES Interface
  - SPPSPSTIES Interface Modeling
  - Process for Reclassification and Invalidation of Market Powerflow Model Needs
  - Informational Needs
  - Short-Circuit Needs
  - SPP Evaluation of Model Changes Not Included in the Approved Model Set
  - Event File Changes During Economic Portfolio Development
  - Correlation of Need Types for Solution Development
  - Seams Consideration(s)
  - SPP staff Standard Impedance Solution Development Information
  - Phase Conductors
  - Data used for SPP ITP Staff Solutions
  - General Staff Solution Development and Evaluation
  - 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 document**

The 2020 ITP needs assessment and Target Area Scope document can be found on [GlobalScape](#) under “ITP → ITP → **NCD (CEII, RSD)** → NDA → 2020 ITP → Needs Assessment” **AND** “ITP → ITP → **CD (CEII)** → NDA → 2020 ITP → Needs Assessment”

File Name	Description
2020 ITP Needs Assessment.xlsx	Needs assessment document including all needs, violations, and supplemental information
Solve idevs.zip	ACCC Load flow Parameters
2020 ITP MISO RDT Target Area Scope.docx	Document defining the background, definition and scope of work for evaluation of the MISO RDT Target Area. For high-level information, see Target Area Needs Evaluation section in the Needs Information posted along with this transmittal.
2020 ITP Target Area – Background Information.pptx <i>and</i> Settlement Agreement Reevaluation – Background Information.pptx	Supplemental presentations given previously to stakeholders to accompany the Target Area Scope document

**Final Models Information**

The 2020 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 → 2020 ITP → 2020 ITP Powerflow Models → Final → Final Powerflow Models
- Market Powerflow Models
  - ITP → ITP → **NCD (CEII, RSD)** → NDA → 2020 ITP → 2020 ITP Market Powerflow Models → 2020 ITP MPM - Final
- Market Economic Models
  - ITP → ITP → **NCD (CEII, RSD)** → License\_NDA\_JointSPPMISO → 2020 ITP
  - ITP → ITP → **NCD (CEII, RSD)** → ABBNDA\_NDA\_JointSPPMISO → 2020 ITP
- Short-Circuit Models
  - ITP → ITP → **NCD (CEII, RSD)** → NDA → 2020 ITP → 2020 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 → 2020 ITP → AUX Files”

File Name	Description
2020 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
InvalidContingency_2020_ITP.csv	Invalid contingency file

**\*Note:** Since these files did not change between the 2019 and 2020 needs assessment, their date has not been changed

**\*\*Note:** PSS/E 33 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\_2020\_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.

**New Mexico Ties Interface Information**

In order to obtain access to SPP’s current PROMOD version, please email [PB\\_Support.PGES@abb.com](mailto:PB_Support.PGES@abb.com) and request PROMOD version 11.1.14.

**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 → 2020 ITP

File Name	Description
2020 ITP Final Event Files_E044	PROMOD Event files

**For users who have signed a NCD NDA, ABB NDA, and MISO-SPP Joint NDA:**

These files can be found on [GlobalScape](#) under: ITP → ITP → NCD (CEII, RSD) → ABBNDA\_NDA\_JointSPPMISO → 2020 ITP

File Name	Description
2020 ITP Final Event Files_E044	PROMOD Event files

*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 → 2020 ITP → Needs Assessment in the “[New Mexico Ties Interface Information](#)” folder.

File Name	Description
SPSNMTIES Interface Guidelines and Study Scope.pdf	SPS New Mexico Ties Interface Guidelines and Study Scope document
2020_ITP_MPM_SPSNMTIES_BaseCases_Solved.zip	Base Case (Pre-Transfer) Powerflow Models for Study Scope
2020_ITP_MPM_SPSNMTIES_TransferCases_NotSolved.zip	Transfer Case Powerflow Models for Study Scope (Models include Incremental Transfers without powerflow solution performed due to voltage instability)
2020_ITP_MPM_SPSNMTIES_TransferCases_Solved.zip	Transfer Case Powerflow Models for Study Scope
PSSE_Contingency_Analysis.zip	Siemens PSS/E auxiliary files (monitored elements, contingencies and subsystem files) for Study Scope
SPS_Invalid_Contingencies.xlsx	SPS Invalid Contingencies for Study Scope
SPSNMINTERFACE_TransferCases_F1_30L.idv	Siemens PSS/E IDEV file used to develop Transfer Case Powerflow Models for Study Scope
SPSNMINTERFACE_TransferCases_F1_30S.idv	Siemens PSS/E IDEV file used to develop Transfer Case Powerflow Models for Study Scope
Addendum_A_SPSNMTIES_Interface.xlsx	Contains Critical Buses, Branches, and Contingencies with criteria violations for Base Case (Pre-Transfer) and Transfer Case for Study Scope

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	April 23, 2020, 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](#).