

2013 ANNUAL FLOWGATE REVIEW PROCESS

At least on an annual basis, the Transmission Operations Planning (TOP) group conducts a flowgate review and determines if any updates to the Master List of Flowgates are to be implemented. TOP performs analyses that use first contingency criteria consistent with the criteria used in the planning of operations for the applicable time periods, including use of Special Protection Systems (SPS).

TOP utilizes the monitor file and contingent file from the latest Next Day Study archive and utilizes the subsystem file from the appropriate Monthly Powerflow Case archive. These files are used to run contingency analysis in PSS® MUST. Four monthly peak cases, one each from April, July, October, and January are acquired from the most recent Monthly Model Update. These cases are modified so that no Entergy outages are modeled in the four base cases unless they are representing a long-term outage one year or more.

For the FCITC runs all possible source and sink combinations as defined in Entergy's ATCID are utilized.

TOP reviews the MUST results of each of the four cases and identified flowgates that match a certain criteria. From the results of the first Contingency analyses, Flowgates shall be included in the Master List of Flowgates in accordance with MOD-030-2.

TOP reviews past year's congestion management activity.

TOP requests TLR 3 and higher data from the ICT for their reliability area for the past year.

TOP then reviews the data to remove TLR activity caused by temporary operating scenarios such as outages or emergency configurations (e.g., storm related configurations).

TOP includes in the Master List of Flowgates the Limiting Element/Contingency combinations that were subjected to TLR 3 or higher in the past year such that they meet the following:

- Are within the ICT's Reliability Coordinator area
- Were not caused by temporary operating scenarios
- Are not already accounted for using another ATC methodology

TOP requests Local Area Procedure (LAP) data from the SOC for the Entergy area for the past year. The source of that data resides in the Transmission Reliability Application (TRA).

TOP then reviews the data to remove LAP activity caused by temporary operating scenarios such as outages or emergency configurations (e.g., storm related configurations).

TOP includes in the Master List of Flowgates the Limiting Element/Contingency combinations that were subjected to LAP in the past year such that they meet the following:

- Were not caused by temporary operating scenarios
- Have a PTDF or OTDF of 3% or higher
- Are not already accounted for using another ATC methodology