

PRC-023

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Planning Committee
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- Requirements for TO, GO and Distribution Provider
 - In general - set relays so that they don't operate when they are not supposed to. Prevent potential for cascading trippings
- Requirements for Planning Coordinator
 - Determine which facilities between 100 kV and 200 kV are critical to the reliability of the BES
 - Need to have a process to determine critical facilities
 - Need to consider input from adjacent Planning Coordinators
 - Maintain a list of critical facilities
 - Provide the list to TO, GO, Distribution Provider, adjacent Planning Coordinators and Reliability Coordinators

Step 1 – N-1-1 Analysis

- Identify any N-1-1 contingency pairs and the overloaded facility

Step 2 - N-1-1-1 Analysis

- Outage the overloaded facility along with the N-1-1 pair causing the overload from Step 1.
- Monitor for additional overloads

Step 3 – Identify PRC-023 Critical Facilities

- Any 100-200 kV facility in any N-1-1-1 combination resulting in additional overloads have the greatest potential for cascade tripping and will be considered a critical facility

- Develop software to perform the proposed analysis
- Review result of proposal with the Planning Committee
- Consider input from adjoining Planning Coordinators and Reliability Coordinators
- Document the proposed process (PJM Manual language)
- Provide the list of critical facilities to TO, GO, Distribution Provider, adjacent Planning Coordinators and Reliability Coordinators