



NERC PRC-025 and PRC-027 Compliance Deadline Support

OUR SOLUTIONS

Due to the recent COVID situation, NERC has provided an estimated 6-month reprieve for the NERC Standards PRC-025 and PRC-027 compliance deadline. This will provide many sites the needed time to complete the requirements associated with these standards. Kestrel Power Engineering is available to provide expert support for fulfilling any lingering obligations or full support for the standards' requirements.

Kestrel encourages generator owners to begin early as communication between the generator owner and the transmission operator to obtain the required documentation as well as any potential mitigations or changes with the interconnecting transmission owner can be a lengthy process.

ASSETS SECURITY IMPLEMENTATION
NERC BEST PRACTICE TOP-001-3
SAFETY TO CIP RISK
CIP-014 REGULATORY PRC
RESPONSE COMPLIANCE

Kestrel's PRC-025 and PRC-027 service offerings includes a comprehensive report covering the technical details such as documentation, figures, and text which address the following list of the generator owner's requirements:



PRC-025

- An evaluation of each relay's protection system applicability as a load responsive relay [R1]
- An evaluation of each load responsive protective relay's settings to ensure they are applied in accordance with Attachment 1 criteria [R1]
 - » A review of the developed protection system settings, calculations, and simulation reports
 - » Analyze and confirm resulting relay calculations are within Relay Loadability Criteria (table 1)
 - » Develop new/revised protection system settings if required

PRC-027

- A process for developing new/revised protection system settings [R1]
- A review and update of fault study data [R1.1]
- A review of the developed protection system settings [R1.2]
- Facilitate communication with transmission owner for proposed settings [R1.3.1], identifying coordination issues [R1.3.2], and unforeseen circumstances [R1.3.4]
- Confirm proposed solutions to existing coordination issues [R1.3.3]
- Establish periodicity timelines for repeating fault current studies [R2] and assist in developing new/revised protection system settings if required

REQUIRED DATA

Our reports can be completed without an onsite visit and in a timely manner. Typical projects require:

- A one-line diagram of the plant
- The settings for the associated protection
- Information provided by the transmission operator (grid protection characteristics)

TRUSTED EXPERTISE

Kestrel Power Engineering was formed in 2000 to address the utility industry's growing requirement for support to meet the new technical regulatory compliance requirements within North America. We have maintained an exceptional level of quality and detail across thousands of PRC and MOD related compliance reports. We take great pride in the level of technical detail our reports contain and the attention to addressing the generator owner's compliance obligations. Through our activities in standards organizations such as the IEEE and NERC drafting committees, we are recognized as an industry leader in this critical area, and are frequently asked to provide presentations and seminars on this topic to individual utilities and the Regional Reliability Organizations (RROs) within NERC.