

Engineer III - System Protection

Engineer III - System Protection is a career professional position for an electrical engineer with experience in the design, commissioning, maintenance and performance monitoring of protection, control and monitoring systems. The engineer is focused on continuous improvement in his area of responsibility and beyond. The engineer also provides critical feedback necessary for the long term optimization of the organization.

Key Responsibilities

- Champions a corporate culture that emphasizes transparency, integrity, safety, environmental responsibility, employee development, diversity and inclusion, customer service, and operational excellence.
- Interacts professionally with contractors, suppliers, coworkers and the public to achieve work objectives and corporate goals.
- Adheres to budget requirements.
- Acts as the subject matter expert during regulatory audits in the design, commissioning, maintenance and performance monitoring of protection, control and monitoring systems.
- Develops test plans for protection and control devices and battery systems.
- Knows how to configure protection, control and monitoring devices including supervisory control and data acquisition (SCADA) remote terminal units (RTUs), protective relays, fault recorders and communications systems. Is able to clearly document the configuration processes for technicians to follow.
- Audits maintenance activities so that correct procedures are followed and complete records are maintained.
- Investigates misoperation events to find the root cause of the operation and to develop corrective actions to prevent reoccurrence.
- Facilitates the restoration of damaged transmission facilities after severe weather and other events.
- Monitors budget adherence and provides variance explanation.
- Assists with planning and preparation for the restoration of damaged protection systems after severe weather and other events.
- Proactively reports needed information to the manager.
- Designs protection, control and monitoring systems as needed to meet departmental objectives.
- Actively seeks to refine and innovate processes and procedures.
- Considers the long term consequences to the company when making decisions.
- Seeks opportunities to collaborate with workers outside the department to achieve corporate goals beyond departmental requirements.
- Assists with project development and budget submittals.
- Achieves results by anticipating problems and proactively executing mitigation strategies.

Required Education, Skills & Experience

- MUST have a Bachelor's degree in Electrical Engineering from an ABET accredited curriculum or with NCEES Certification to sit for the FE
- 5-7+ years of related experience with relays, transmission protection systems, designing protection systems and analyzing SCADA devices
- Strong knowledge of leading practices in system protection and NERC compliance
- Strong planning and project management skills
- Willingness and ability to evaluate new technologies and apply them to the position responsibilities
- Demonstrated ability to communicate complex results to technical and non-technical audiences
- Proficient at functioning effectively within a team environment, present ideas and opinions in a respectful and collegial manner
- Strong customer focus and employee experience mindset
- Progression to this level is strictly restricted based on critical individual capabilities and business requirements; must be supported by market survey data

Licenses and Certifications

- PE Certification Preferred

Key Competencies

- Drives Results
- Plans and Aligns
- Safety & Compliance
- Equipment utilization
- Transmission operations

- Transmission operations quality
- Transmission operations resource management
- Transmission operations risk management