

POSITION DESCRIPTION

EASi



Position Title: Protection and Control Engineer I	Exempt status: Exempt
	Reports to: Engineering Supervisor
Positions supervised (if applicable): N/A	Department: Protection Department
	Revision Date: 07/13/2015

Position Summary

Established in 1981, EASi is headquartered in Troy, Michigan with engineering centers in Gahanna, Ohio and Tulsa, Oklahoma. The two offices provide engineering and design support for electrical utility transmission systems ranging from 12kV to 765kV. The projects can be for new system construction or existing system augmentation or refurbishing.

The position falls within the Protection and Controls Department of the organization. The engineer will working with higher level engineers to complete protection and control projects that support our customer. They will work with in-house and client engineers and designers.

Primary Duties and Responsibilities

- Work on green-field and brown-field (retrofit) Protection and Controls Projects in substations with assistance of higher level engineers
- Assist higher level engineers with setting relays and conducting relay setting calculations utilizing ASPEN, AcSElerator 5010 (SEL), and GE URPC Software
- Design settings in appropriate format then issue to assigned field Protection and Controls supervisors using IPS
- Mark-up and review protection schematics and elementaries in Microstation
- Utilize MOB to review equipment and materials established by substation engineers for Protection Designers
- Work with the following equipment: transformers, circuit breakers, buses, reactors, line disconnects, protective relays systems (SEL, ABB, etc.), and SCADA systems
- Work under supervision of Protection Engineers II, III, IV, Senior Engineers, and Principle Engineers
- Position requires 10-15% travel to field substations

Education and Experience Requirements

- Zero to two years' experience in utilities working with protection and controls
- Zero to two years' experience completing engineering projects from start to finish
- Zero to two years' experience setting relays and designing one line diagrams
- Bachelor's Degree in Electrical Engineering (ABET)
- Master's Degree in Electrical Engineering (ABET) will count towards year experience
- An EIT License is desirable but not required

Requisite Abilities and Skills

- Demonstrate ability to perform design calculations such as battery sizing, AC and DC loads, system component selection, power transformer and circuit breaker selection, circuit protection, control and power cable selection and rating, bus bars, fittings, insulators, ground grid design, and lightning protection
- Familiarity with standards and codes such as IEEE, ANSI, NEC, and NESC
- Strong written and verbal communication
- Demonstrate ability to work with others in supplying information and seeking assistance as necessary
- Demonstrate willingness and capabilities to assume leadership roles