

POSITION DESCRIPTION

EASi



Position Title: SCADA Engineer I	Exempt status: Exempt
	Reports to: Protection Engineering Supervisor
Positions supervised (if applicable): N/A	Department: Protection and Control
	Revision Date: 04/21/2015

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 work with senior level engineers to learn how to provide RTU related input for preparing P&C scopes, design support and cost estimates for electric substation projects. They will learn how to prepare and/or review RTU configurations and RTU Point Assignment (RPA) lists for electrical substation projects. They will work with in-house and client engineers and designers.

Primary Duties and Responsibilities

- Participate in RTU configuration activities for 4kV thru 765KV electrical substation projects.
- Learn how to provide RTU related input for preparing P&C scopes, design support and cost estimates for electric substation projects.
- Learn how to prepare and/or review RTU configurations and RTU Point Assignment (RPA) lists for electrical substation projects.
- Participate in project scheduling, resource planning, and cost control for assigned projects.
- Provide project engineering support for RTU installation, commissioning, checkout and troubleshooting.
- Learn how to review and approve RTU related work of other team members.
- Learn how to review, evaluate and provide SCADA related comments and recommendations on transmission and distribution planning proposals.
- Coordinate with transmission customers and interconnected companies on associated SCADA and RTU issues.
- Maintain awareness of NERC requirements related to SCADA and RTU architecture, physical and electronic station security.
- Contribute to development of system-wide protection and SCADA standards for transmission and distribution station protection, metering and control applications.
- Provide general SCADA and RTU technical support, as needed, including the technical interfaces with P&C SCADA Standards, Telecomm, Operations, Transmission Region Operations, Station Engineering, Transmission Planning and Project Management.
- Work under supervision of SCADA Engineers II, III, IV, Senior Engineers, and Principal Engineers
- Position requires 10-15% travel to field substations

Education and Experience Requirements

- Zero to two years' experience in substation SCADA application, design and engineering for HV and EHV electrical substation projects (for higher level classifications) and familiarity with relay protection, metering and control.
- Zero to two years' experience with Local Area Network (LAN) communication system
- Zero to two years' experience with DNP and Modbus Protocols
- Zero to two years' experience with GE D20 (Westronic) RTU (Remote Terminal Unit) programming and Cooper RTU programming
- Bachelor's Degree in Electrical Engineering (ABET)
- Master's Degree in Electrical Engineering (ABET) will count toward years' experience
- An EIT License is desirable but not required

Requisite Abilities and Skills

- 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