



POSITION TITLE:	Engineering Technician - Distribution Systems (I, II, III)	EXEMPT STATUS:	Non-Exempt
DEPARTMENT:	Engineering & Operations	CATEGORY:	
LOCATION:	District Office 41630 W Louis Johnson Dr Maricopa, AZ 85138-5402	SALARY RANGE:	
REPORTING RELATIONSHIP:	Position reports to the Engineering Support Supervisor	SUPERVISORY RESPONSIBILITY:	Position does not supervise at this time

ED3 is an Equal Opportunity Employer. In compliance with the Americans for Disabilities Act, ED3 will provide reasonable accommodations to qualified individuals with disabilities and encourage both prospective and current employees to discuss potential accommodations with the employer.

DEFINITION:

The Electric System Engineering Technician provides technical support to the Operations, Engineering, and Design groups by performing jobs as described in this document.

JOB SUMMARY:

Responsibilities for this position include but are not limited to:

- (30%) Provide technical support to the Operations, Metering, and Design groups as directed.
- (40%) Assist with the planning, design, implementation, and maintenance of the following District Systems:
 - Distribution Automation systems,
 - SCADA system,
 - Substations systems,
 - Automated Metering systems,
 - Data communications systems (in partnership with the OT Engineering Technician).
- (10%) Assist with the development of engineering standards, procedures, and documentation for all systems.
- (10%) Create, modify, and update system drawings.
- (10%) Administer the ED3 Field Asset Inspection & Repair program.
- Employ and comply with regulatory requirements.
- Execute projects as directed and assist in creating project documents.

ESSENTIAL QUALIFICATIONS:

- Fundamental knowledge of three-phase medium- and high-voltage power systems
- Ability to read and interpret system prints
- Knowledge of SCADA system design and operation
- Knowledge of data communications protocols, including EIA-232, TCP/IP, DNP3, and Modbus
- Basic knowledge of computer system networking principles
- Strong knowledge of configuration management and version control principles
- Familiar with metering and Automated Metering Infrastructure (AMI) fundamentals
- Ability to manage multiple, concurrent projects with unique demands

- Basic familiarity with Schweitzer Engineering Laboratories (SEL) equipment
- Knowledge of computer databases and their use

SPECIAL REQUIREMENTS:

- Proficient with the following software packages:
 - Microsoft Office, including MS Access,
 - Microsoft Project,
 - AutoCAD.
- Able to show basic proficiency on a math & electrical technology exam before hire.
- Ability to take direction and execute with minimal supervision.
- Capable of identifying opportunities for improvement and developing solutions to address them.
- Strong troubleshooting and problem-solving skills.
- Ability to work with others to coordinate the efforts of multiple entities on a single job.
- Able to communicate in written and verbal forms clearly, confidently, and professionally both technical and non-technical in nature.
- It is expected that the successful candidate will continue to learn and progress such that all aspects of this job description are mastered.
- Must be willing to work long hours and weekends when required.
- Able to legally work in the US.
- Must possess a valid Arizona driver license.

EDUCATION & EXPERIENCE:

- Level I
 - Associate of Applied Science in Power Systems/Engineering/Computer Technology or related field preferred but equivalent experience may be substituted for this requirement.
- Level II
 - Meet Level I requirements and the following:
 - Minimum of five years' experience.
 - Demonstrated proficiency in at least half the skills enumerated in this job description.
- Level III
 - Meet Level I requirements and the following:
 - Minimum of ten years' experience.
 - Demonstrated knowledge and proficiency in all skills enumerated in this job description.

A Bachelor of Science Degree in Electrical Engineering Technology or related field may be substituted for five years' experience.

PHYSICAL REQUIREMENTS:

- Must successfully pass pre-employment drug screening and background test.
- Must be able to remain stationary for prolonged periods.
- Must be able to read color-coded information.

WORKING CONDITIONS:

While performing the duties of this job, the employee will spend about half of their time in a typical office environment. The remainder of their time will be spent in the field or in electrical substations where electrical and thermal hazards exist. The employee will complete proper safety training for such environments prior to working in them.