



TURLOCK IRRIGATION DISTRICT
Department of Human Resources
invites applications for the position of:

Control System Cybersecurity Analyst

SALARY: \$9,266.00 - \$11,823.00 Monthly

OPENING DATE: 08/11/21

CLOSING DATE: Continuous

DESCRIPTION:

JOB SUMMARY

Under general direction from the Water and Energy Systems Management Supervisor, to assist in the planning, design, operation and maintenance of the District's water and power control systems. Design systems and procedures to protect against cyber threats. Maintain documentation required for compliance with all North American Electric Reliability Corporation (NERC), Western Electricity Coordinating Council (WECC) standards, as well as Federal Energy Regulatory Commission (FERC), Homeland Security, and other governmental cybersecurity mandates. Install and develop system software. Install, troubleshoot and maintain hardware. Provide network security analysis and design. Act as District representative to compliance auditors and governmental agencies regarding cybersecurity issues. Provide training to users (operators, traders, and other users) in the use of control system hardware and software. Create and participate in cyber incident drills.

EXAMPLES OF DUTIES:

DUTIES AND RESPONSIBILITIES

Assist in the planning, direction, coordination, and implementation of controls for substations, power plants, canals, and other related systems.

Provide strategic planning for control system servers and network infrastructure which includes network topology (routers, firewalls, switches, and virtual private networks {VPNs}) including security measures.

Test the control system network for new threats and risks and provide reporting, resolution and remediation steps to mitigate vulnerabilities on all District real-time control systems.

Review and monitor various logs kept by computer and network access control systems to detect attempts at unauthorized use, update evidentiary records per procedures, inform and escalate matters for resolution as necessary.

Deploy, manage, and maintain all control system network and security systems and their corresponding or associated software, including firewalls, intrusion detection systems, and anti-virus software as necessary.

Prepare cybersecurity incident drills in conformance with compliance standards and regulatory mandates.

Prepare and maintain cybersecurity procedures and other documentation related to control system compliance standards and regulatory requirements.

Provide training for operators, traders, and others in the use of control systems and in the uses of its stored data.

Respond to emergency situations.

Provide 24/7 support as assigned.

Comply with and enforce all District rules, regulations, policies and procedures.

Perform other related duties as required or assigned by supervisor.

TYPICAL QUALIFICATIONS:

QUALIFICATIONS

Any combination of experience and training that would likely provide the required skills and abilities is qualifying. A typical way to obtain the skills and abilities would be:

Education

Usually exhibited by a person with a Bachelor's Degree in Computer Information Systems, Computer Science, or Engineering or Associate's degree in a technical field relating to the operation and maintenance of electrical systems supplemented with specialized training in the area of computer programming, control methods, power system operations, and management techniques.

Experience

Usually exhibited by a person with two (2) years or more of experience in computer network security and/or the operation and control of power, water and industrial control systems.

Skills and Abilities

Interpersonal and Communication. Communicate clearly and concisely, both orally and in writing. Work cooperatively with control room staff. Support executive, management, and assigned staff.

Maintain a positive work atmosphere by acting and communicating in a manner so that you get along with customers, clients, co-workers and management.

Technical and Analytical. Must have thorough knowledge of computer network security. Ability to learn computer programming language and operating systems typically used for electrical and water control systems. Must have knowledge of methods, practices, and principles involved in maintaining an effective hardware and software platform;; properly interpret various situations in accordance with existing compliance standards, existing laws, rules, regulations and policies.

Administration and Operations. Ability to work in a rapidly changing work environment and to work well under pressure; maintain work quality while meeting reasonable deadlines; work independently; work well in a team environment; work on multiple tasks concurrently.

Administration and Operations. Must be able to effectively plan, prioritize, organize, and direct staff to provide the operational goals established for the division. Ability to plan, budget and administer funds to provide continuous operation of assigned control systems.

SUPPLEMENTAL INFORMATION:

MSPC - Classification

FLSA Status - Exempt

Necessary Special Requirements

Possession of an appropriate California driver's license.
Must file a Statement of Economic Interest in compliance with Governmental Code Section 8100.
Sign & Acknowledge a Confidentiality Agreement.

SELECTION CRITERIA

Item	Percentage Required to Obtain a Passing Score
Oral Interview	70%

Medical Examination

This position may require a medical examination to determine medical fitness for performing the duties assigned to the position or classification. Drug testing in accordance with the FHWA regulations may also be required. (Details may be obtained from the Human Resources Department upon request.) The Turlock Irrigation District is an Equal Opportunity Employer. It does not discriminate on the basis of, race, color, ancestry, religious creed, national origin, sex, physical and mental disability, medical condition (cancer related), age (over 40), and marital status. Assistance is available in filling out job applications for disabled individuals. The Turlock Irrigation District's bargaining unit positions are a part of an agency shop. The Turlock Irrigation District provides reasonable accommodations to applicants and employees with a disability in accordance with federal and state law.

OPEN TO INTERNAL AND EXTERNAL APPLICANTS

SUBMIT APPLICATION TO:

Human Resources Department, via our web site at www.tid.org. Internal and External applicants may apply beginning Wednesday, August 11, 2021 until position is filled.

Adam Bolanos
abbolanos@tid.org
Human Resources Analyst
(209) 883-8620

APPLICATIONS MAY BE FILED ONLINE AT:
<http://www.tid.org>

Job #1577
CONTROL SYSTEM CYBERSECURITY ANALYST
AB

OUR OFFICE IS LOCATED AT:
333 East Canal Drive
Turlock, CA 95380
209-883-8620
abbolanos@tid.org

An Equal Opportunity Employer

Control System Cybersecurity Analyst Supplemental Questionnaire

- * 1. Describe your experience with supervisory control and data acquisition (SCADA) system? What was your role or responsibility?

- * 2. Describe your training and job experiences related to cybersecurity.

- * 3. Describe any regulatory or compliance standards in your job history.

- * 4. Describe your computer networking experience in your job history.

- * 5. Describe system administration experience including Windows, Linux, and Virtualization technologies.

- * 6. Describe your experience with scripting and process automation platforms.

- * Required Question