



RIALTO UNIFIED SCHOOL DISTRICT CLASSIFIED

SECURITY- SURVEILLANCE SYSTEMS TECHNICIAN

DEFINITION:

Under the direction of the assigned Administrator or Supervisor, organizes, coordinates, and performs skilled work conduit, raceways (above and below ground) to pull wire and make terminations; performs maintenance and repair on a variety of electronics, telecommunication, fire alarm, security alarm, surveillance, audio-visual equipment, computers, PTP, PTMP radio links and wide area network (WAN), local area network (LAN) and configurations for surveillance equipment.; serve as a resource and provide support to users regarding telecommunication, alarm system, and computer hardware perform other job-related duties as assigned and/or as required.

ESSENTIAL DUTIES:

- Coordinate, organize, install and perform skilled maintenance and repair of telecommunication equipment, computers, radio and surveillance network equipment, fiber optics, surveillance equipment, and a variety of other electronic equipment.
- Maintain fiber and copper cabling for cameras, and networks; install conduit, raceway, and perform terminations.
- Install, maintain, service, and program video network routers, switches, servers, cameras, security monitoring equipment, PTP/ PTMP radio links and other broadband connections.
- Assist in installation and repair of fire alarms, security alarms systems and other electronic equipment, design, implement, maintain, program, and manage various network equipment as assigned.
- Program and maintain an Active Directory Domain Network System necessary to manage security and fire alarm systems including any firmware or software updates.
- Maintain and create security surveillance accounts.
- Investigate, test, and recommend the purchase of equipment including electronic, computer hardware, fire alarm, security alarm equipment, telecommunication and surveillance equipment.
- Maintains an adequate inventory of electronic components, phone, data, computer, fire and security alarm equipment, surveillance equipment, parts, supplies and repair materials.
- Prepare and maintain records and reports related to assigned activities; maintain and update a technical library of manuals, blueprints, schematic drawings and certification records; plan, organize, and perform work tasks from blueprints, drawings and schematics.
- Operate a variety of specialized tools and electronic testing equipment; align, adjust, and calibrate electronic equipment in accordance with manufacturer specifications; replace defective electronic components, parts, and wiring using a variety of hand tools, equipment, and machinery.
- Drive a vehicle to conduct work.
- Provide technical support and training to district staff in the use of security and surveillance systems.
- Train, coordinate and provide work direction to assigned personnel.

- Communicate with vendors and personnel to exchange information, resolve discrepancies, correct errors, and clarify issues related to electronic and surveillance equipment. monitors outside contractor services to ensure a high standard of performance.
- Install, repair, design, implement, maintain, program, and manage various network equipment as needed.
- Assist with performing semi-skilled and skilled functions in other related maintenance trade areas as needed.
- Perform other job-related duties as assigned and/or as required.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

- Methods, procedures, techniques, installation (including installation of conduit raceway, wire and terminations), and materials utilized in the installation, repair and maintenance of microwave radio, fire, security, surveillance, specialized systems and telecommunication equipment.
- Network wiring and fiber optic termination.
- Electronics, computer hardware, and network equipment.
- District policies, legal mandates, and codes pertaining to the installation of aforementioned systems.
- Inspection of computer data, hardware, telecommunication equipment, electronic, fire, security, surveillance, and specialized systems.
- Safe working methods and procedures.
- Building codes related to the assigned activities.
- Shop math and measures applicable to the trade.
- Proper methods of storing parts, supplies, and equipment.
- Recordkeeping techniques.
- Training principles and techniques
- Appropriate safety precautions and procedures.
- Oral and written communication skills.
- Technical aspects of field of specialty.
- Proper lifting techniques.

ABILITY TO:

- Install, maintain, and repair various types of telecommunication systems, network systems, electronic and audio-visual equipment, fire and security detection and communication systems, skillfully.
- Utilize special electronic testing equipment to determine defects and malfunctions.
- Plan and lay out work.
- Estimate labor and material costs accurately.
- Read and work from plans, blueprints, sketches, specifications, and diagrams.
- Communicate effectively, both orally and in writing.
- Meet schedules and timelines.
- Observe health and safety regulations and procedures.
- Maintain various records related to work performed.
- Understand and follow oral and written directions.
- Establishes and maintains cooperative working relationships with others.

EXPERIENCE AND EDUCATION

EDUCATION:

Verification of a High School diploma, a GED certificate or a higher degree.

EXPERIENCE:

Four years of journeyman level experience, (three of which must be within the last ten years), in the installation, maintenance and repair of computer hardware, telecommunication systems, network systems, electronic, security alarms, surveillance closed circuit television (cctv), fire alarm, PTP/PTMP radio links and knowledge of video management systems. Recent job-related experience within the last five years is required.

LICENSE CERTIFICATIONS AND OTHER REQUIREMENTS:

- Valid California Motor Vehicle Operator's License.
- Insurability by the District's liability insurance carrier may be required.

Finalists scheduled for an interview must provide a current DMV printout (not more than 30 days old) prior to the interview.

PREFERRED QUALIFICATIONS:

Coursework and training in the maintenance and repair of computer, electronic, telecommunication systems, data network systems, fiber optics, security and fire detection systems, and audio-visual equipment is desirable, but not required.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor work environment. Working at heights. Driving a vehicle to conduct work.

PHYSICAL ELEMENTS:

The physical requirements indicated below are examples of the physical aspects that the position classification must perform in carrying out essential job functions.

- Will frequently exert 50 to 75 pounds to lift, carry, push, pull or otherwise move objects.
- Will walk or stand for extended periods of time, will occasionally be required to ascend or descend ladders, stairs, scaffolding and ramps.
- Must possess the ability to hear and perceive the nature of sound.
- Must possess visual acuity and depth perception.
- Must be capable of providing oral information, both in person and over the telephone and other communication devices.
- Must possess the manual dexterity to operate equipment and use hand tools and work with various objects and materials.

Reasonable accommodation may be made to enable a person with a disability to perform the essential functions of the job.

POTENTIAL HAZARDS:

May be exposed to hot, cold, wet, humid, or windy conditions caused by weather. Working around and with machinery having moving parts. Working at heights. Exposure to excessive noise, fumes, dust and odors. High voltage, wet and slippery surfaces. Exposure to microwave radiation.

Revision Date: 2/1/2024