

CLASS TITLE: SENIOR TELECOMMUNICATIONS TECHNICIAN

PURPOSE OF THE CLASSIFICATION: Under general supervision performs installation, maintenance, design, modification, and technical repair work involving a wide variety of complex electronic and microprocessor based telecommunications, safety and security equipment; provides training and lead direction to subordinate employees as requested by supervisor and other related assigned duties.

ESSENTIAL TASKS:

- Performs installation, preventative maintenance, design, modification, and repair work involving a wide variety of various types of complex stationary and mobile telecommunications equipment, safety equipment, security systems, and other types of electronic and microprocessor based equipment
- Performs installation of emulation software, fiber optic cable and termination and testing of fiber optic links
- Maintains test equipment, tools, communication towers and facilities associated with operational concerns of the City departments
- Programs communication equipment
- Evaluates new electronic equipment and software
- Assists other department's support personnel in trouble shooting and resolving problems
- Assists with the design and implementation of other Departments local network connections to the City wide network
- Designs and installs fiber optic cabling connections to the City Wide Network, including the termination of the cabling and connecting it to the network
- Supervises the installation of all cabling connecting terminals and PC's to the City wide network
- Trains other technicians
- Maintains and updates work records and provides detailed work reports, schematics, and block diagrams
- Maintains critical database record information required for Telecommunications systems management

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.

QUALIFICATIONS:

Training and Experience: Graduation from high school or possession of a General Educational Development Certificate (GED) and thirty (30) hours of coursework in electronics or related field, supplemented by successful completion of an approved two (2) year training course in electronics and telecommunications technology or other related fields and four (4) years of related work experience; or an equivalent combination of training and experience per Personnel Policies and Procedures, Section 128. Refer to the Telecommunications Technician Criterion Progression Document for additional requirements.

Knowledge, Abilities and Skills: Considerable knowledge of the operating principles of various types of telecommunications electronic and microprocessor based equipment; considerable knowledge of testing, maintenance, installation, and repair practices of such equipment; considerable knowledge of the safety hazards and precautions of electrical and facilities maintenance work; considerable knowledge of principles, applications, and capabilities of databases and related computer equipment; working knowledge of PC and various specialized applications; considerable knowledge of fleet mapping strategies; and considerable knowledge of the theories, design practices, and systems engineering requirements of telecommunications equipment. Ability to analyze and diagnose problems in telecommunications and other types of equipment; ability to work in hazardous and/or high locations; ability to install, maintain, design, modify, and repair a variety of solid state equipment; ability to use PC and various specialized software applications to accomplish needed tasks; and the ability to understand and influence the behavior of others within the organization, customers, or the public in order to achieve job objectives and cause action or understanding. Skill in the use of various tools and equipment of the trade.

Physical Requirements: Physical requirements include arm and hand steadiness and finger dexterity enough to use a keyboard and telephone; frequent lifting up to 50 pounds with occasional lifting up to 60 pounds; frequent carrying up to 20 pounds with occasional carrying up to 60 pounds; occasional pushing and pulling up to 50 pounds; may be subject to walking, standing, sitting, reaching, balancing, bending,

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kneeling, crawling, handling, feeling, climbing, smelling, and twisting; and vision, speech, and hearing sufficient to perform the essential tasks.

Licenses and Certificates: Possession of a valid Oklahoma Class "D" Operator's License. Requires possession of a FCC General Radio-Telephone License or certification from an accredited testing agency; and possession of an APCO (Association Public-Safety Communications Officials) technician certification within one (1) year of hire date or BICSI Technician Certification.

WORKING ENVIRONMENT: Working environment is primarily indoors and occasionally outdoors and in inclement weather; and requires travel to all City locations to perform installation and maintenance work.

Class Code: 3538

EEO Code: N-03

Pay Code: IT-28

Group: Engineering, Planning, and Technical

Series: Communications Operations and Maintenance

Effective Date: February 13, 2003