



Job Title	Radio Technician, Senior	FLSA Status	Non-Exempt
Band	PAR	Probationary Period	12 Months
Zone	6	Job Code	15024

Class Specification –Radio Technician, Senior

Summary Statement:

The purpose of this position is to provide service, program, maintenance, repair, and installation for 2-way radio, paging, and other specialized communications systems and equipment; to coordinate assigned activities with other programs, divisions, outside agencies, and the general public; and to provide highly responsible and complex staff assistance to higher level supervisory or management staff. This individual will work collaboratively with other team members to ensure customer radios, pagers, communications systems, peripherals, and core services are available and operational to ensure a quality customer experience at all times.

DISTINGUISHING CHARACTERISTICS:

This is the advanced journey level class in the Radio Technician series. Positions at this level possess a specialized, technical, or functional expertise within the area of assignment and may exercise lead supervision over assigned lower level staff. Employees are typically assigned significant responsibilities above the journey level and often exercise independent judgment in the performance of all duties. This class is distinguished in that it performs the most complex work assigned to series and serves in a working supervisory capacity over lower level staff.

Essential Functions

Note: Regular and predictable attendance is an essential function in the performance of this job.

Time %

(All below must add to 100%)

Note: Time spent on each essential function will vary based on operational needs and is only intended to be an approximation over the course of a full year.

40%

Responsible for radio tower site infrastructure and equipment installation, troubleshooting and maintenance. Attend and serve on local PPRCN and State of Colorado 800 Mhz. radio system committees and boards as Radio Communications Supervisor’s proxy, to represent and protect the City of Colorado Springs interests. Assist with prioritizing work for installers and the other technicians. Provide 24/7 on-call service for all Public Safety communications systems. Various communications Network configuration and maintenance. Install and maintain networks and programs to integrate notification to our regional paging system. Ensure and track all public safety radio communications Radio Console reboot schedules.



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	Assist with FCC Radio licenses upkeep to include insuring all radio frequency licenses are renewed and up to date and apply for additional frequencies and modifications.
40%	<p>Responsible for Municipal Court Video and Audio network equipment installation, maintenance and monitoring.</p> <p>Responsible for 200 pc. Mutual Aid Radio cache maintenance/ readiness for use in wildfires and public emergencies.</p> <p>CSPD / City Camera system Installation, maintenance, and monitoring to include Downtown, Garden of the Gods, Pikes Peak and city parks Proxim/Hautespot network camera systems.</p> <p>Microwave systems installation, maintenance, and monitoring at 800 MHz radio sites, Public Safety mobile command posts, as well as Pikes Peak America's Mountain Microwave system to include Nokia/Alcatel, Firetide and Ubiquity Microwave systems.</p> <p>CSFD Fire Station Alerting system installation and maintenance.</p> <p>Tower work: Climbing communications towers for installation, maintenance and removal of Antenna/coax as well as tower lighting and controllers.</p> <p>Operate and maintain portable aerial Man-Lift to install cameras and other City equipment on buildings and light poles.</p> <p>DiagnostX system maintenance and monitoring to maintain and improve 800 MHz Radio System performance.</p>
10%	<p>Installation, maintenance, and repair of radio and paging subscriber units for Police, Fire, general City, and outside agencies, ensuring compliance with appropriate guidelines and standards. Write and implement accurate Radio program templates for all Public Safety and General City radios. Travel to customer locations to fulfill SLA Annual Radio alignment program; and record and maintain information on tested and serviced equipment. Assist installers with equipment installations and troubleshooting. Perform a variety of additional technical tasks related to the City's electronic equipment such as court video & recording equipment, panic alarm systems, AV closed circuit system, and network communications. Repair and maintain various public safety electronic devices such as Radar Guns, Police and Fire Helmet communication systems, and remote video surveillance systems.</p>
10%	<p>Contact vendors as needed for technical support; and complete work in compliance with vender specifications and standards. Purchase materials and equipment with supervisor approval; fabricate connectors and cables; maintain an adequate inventory of replacement parts and repair supplies and equipment; and replenish inventory as needed. Perform scheduled and periodic preventive maintenance on assigned</p>



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	<p>equipment. Dispose of obsolete communications equipment as needed and recommend replacement systems as appropriate. Stay abreast of new trends and innovations in the field of communications technology. Perform related duties and responsibilities as required. Support management reporting, information flow, and process planning. Show initiative and act independently to resolve tickets, manage multiple priorities and follow through on projects/tasks to completion. Track and manage work tickets, utilizing established ITSM ticketing system to ensure timely and agreed resolutions and solutions.</p>
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Competencies Required:	
	<p>Human Collaboration Skills: Work may require providing advice to others outside direct reporting relationships on specific problems or general policies. Contacts may require the consideration of different points of view to reach agreement. Elements of persuasion may be necessary to gain cooperation and acceptance of ideas.</p>
	<p>Reading: Intermediate- Ability to read papers, periodicals, journals, manuals, dictionaries, thesauruses, and encyclopedias. Ordinarily such an education is obtained in high school up to college. However, it may be obtained from experience and self-study.</p>
	<p>Math: Intermediate - Ability to deal with system of real numbers; practical application of fractions, percentages, ratios/proportions and measurement. Ordinarily, such education is obtained in high school up to college. However, it may be obtained from experience and self-study.</p>
	<p>Writing: Intermediate - Ability to write reports, prepare business letters, expositions, and summaries with proper format, punctuation, spelling, and grammar, using all parts of speech. Ordinarily, such education is obtained in high school up to college. However, it may be obtained from experience and self-study.</p>

Technical Skills Required:	
	<p>Skilled in a Technical Field: Work requires a comprehensive, practical knowledge of a technical field with use of analytical judgment and decision-making abilities appropriate to the work environment of the organization.</p>

	<p>Relevant Background and Formal Education: Demonstrated skills, competencies, and knowledge required for this job are most often acquired through the following practical experience and level of academic education and training as suggested below.</p>
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Education: Equivalent to the completion of the twelfth grade (high school diploma or GED) supplemented by other technical training in a related field.

Experience: Five years of full-time installation, maintenance, and repair of radio communications equipment technical experience.

Education and Experience Equivalency:
 One (1) year of the appropriate type and level of experience may be substituted for each required year of post-high school education.

 Additional appropriate education may be substituted for the minimum experience requirements.

Certifications and Licenses: Must possess or be able to acquire the following certifications and/or licenses.	
Colorado Driver's License	Upon hire
Certifications required in accordance with standards established by departmental policy.	

Supervision Exercised:
 Work requires functioning as a lead worker performing essentially the same work as those directed, and includes overseeing work quality, training, instruction, and scheduling work.

Supervision Received:
 Receives General Direction: This job title normally performs the job by following established standard operating procedures and/or policies. There is a choice of the appropriate procedure or policy to apply to duties. Performance reviewed periodically.

Fiscal Responsibility:
 This job title has no budgetary responsibility.

Physical Demands:
 Exerting 20-50 lbs. occasionally; 10-25 lbs. frequently; or up to 10 lbs. constantly. Ability to climb communications towers up to 300 feet tall.

Environmental Conditions	Frequency
Primary Work Environment	Shop
Extreme Temperature	Seasonally



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Wetness and Humidity	Seasonally
Respiratory Hazards	Never
Noise and Vibrations	Seasonally
Physical Hazards	Seasonally
Mechanical and/or Electrical Hazards	Occasionally
Exposure to Communicable Diseases	Rarely

Machines, Tools, Equipment, and Work Aids: Computer, printer, copier, telephone, and standard office equipment.

Specialized Computer Equipment and Software: Microsoft Office. Microwave, network and other communications analyzers and analytical equipment and software.

The description above is intended to represent only the key areas of responsibilities; specific job assignments, duties, and environmental conditions will vary depending on the business need of the department and the particular assignment.

Original date: November 2020