General Statement of Duties
Performs standard level professional information technology work installing, configuring, and maintaining critical systems and applications for Computer Aided Dispatch (CAD) and Voice Recording systems utilized by the Denver 911 Emergency Communications Center; maintains and repairs routine issues with hardware and software; and troubleshoots, installs, and repairs user issues desktop hardware and software.

Distinguishing Characteristics
The 911 Systems Administrator is also distinguished from the Associate IT Systems Administrator, which performs standard level professional information technology work installing and configuring operating system hardware and software and user application software; maintains and repairs routine to complex problems with system hardware and software.

Further, the 911 Systems Administrators are distinguished from IT Systems Administrators by the specialized knowledge and experience with emergency communications systems and application functionality that incumbents must possess.

Guidelines, Difficulty and Decision-Making Level
Guidelines are generally numerous, well established, and directly applicable to the work assignment. Work assignment and desired results are explained by general oral or written instructions.

Duties assigned are generally repetitive and restricted in scope but may be of substantial intricacy. Employee primarily applies standardized practices.

Decisions or recommendations on non-standardized situations are limited to relating organizational policies to specific cases. Problems that are not covered by guidelines or are without precedent are taken up with the supervisor.

Level of Supervision Received & Quality Review
Under normal supervision, within a standardized work situation, the employee performs duties common to the line of work without close supervision or detailed instruction. Work product is subject to continual review.

Interpersonal Communication & Purpose
Contacts with the public or employees where explanatory or interpretive information is exchanged, gathered, or presented and some degree of discretion and judgment are required within the parameters of the job function.

Level of Supervision Exercised
None

Essential Duties
Performs routine to complex setup, installation, and configuration of the Computer Aided Dispatch (CAD) and Voice Recording systems to include new software releases and upgrades; implements, configures, and tests related CAD applications.
Troubleshoots and resolves routine to complex problems with servers, databases, emergency communications applications, and user hardware and software; works with vendors to resolve issues, when appropriate. Installs and repairs desktop hardware and software; sets up new user accounts in Active Directory.

Monitors and modifies database configurations; maintains database indexing; and performs refreshes of development and training databases.

Implements security measures to protect data and applications; maintains security and user profiles for applications; adds and removes users, when necessary.

Performs backup and recovery operations for servers and databases and assists with capacity planning for the CAD and Voice Recording systems.

Consults with users to identify existing system problems or new business requirements then evaluates and recommends various software and hardware solutions to meet user needs. Assists with researching, recommending, implementing, and testing new functionality and configuration changes.

Develops, maintains, and publishes routine to complex custom crystal reports.

Provides on-call/after hours support when assigned or requested.

Performs other related duties as assigned or requested.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

**Competencies**

Attention to Detail – Is thorough when performing work and conscientious about attending to detail.

Customer Service – Interacts with customers in a friendly and professional manner, works to resolve issues quickly and effectively, and is knowledgeable about products and services.

Information Management – Identifies a need for and knows where or how to gather information; organizes and maintains information or information management systems.

Oral Communication – Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Technical Competence – Uses knowledge that is acquired through formal training or extensive on the job experience to perform one's job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

Technical Problem Solving - Troubleshoots, diagnoses, analyzes, and identifies system malfunctions to determine the source and cause of the problem.

**Knowledge & Skills**

Knowledge of data processing hardware, monitors, operating system software, application programming and system configuration sufficient to be able to perform the duties related to the work assignment.

Knowledge of database function and design sufficient to be able to implement network databases.
Knowledge of database structures and report writing methods and tools.

Knowledge of computer network, desktop, server, and mainframe operating systems and their applications.

**Education Requirement**

Bachelor’s Degree in Computer Science, Information Systems, Business Administration, Mathematics or a related field.

**Experience Requirement**

Two (2) years of professional information technology experience installing, configuring, and maintaining emergency communications systems and applications, to include installing and maintaining hardware and software.

**Education & 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 type and level of education may be substituted for the minimum experience requirement on a one year for one year basis.

**Licensure & Certification**

By position, requires a valid Driver’s License at the time of application.

Licenses and certifications must be kept current as a condition of employment.

**Working Environment**

Work is primarily performed in an office setting and frequently at other locations for meetings.
Work involves pressure due to multiple calls and inquiries and is subject to interruption.

**Level of Physical Demand**

1-Sedentary (0-10 lbs.)

**Physical Demands**

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

- Sitting: remaining in the normal seated position.
- Lifting: raising or lowering an object from one level to another
- Reaching: extending the hand(s) and arm(s) in any direction.
- Handling: seizing, holding, grasping, or otherwise working with hands.
- Fingering: picking, pinching, or otherwise working with fingers.
- Talking: expressing or exchanging ideas by means of spoken words.
- Hearing: perceiving the nature of sounds by the ear.
- Near acuity: ability to see clearly at 20 inches or less.
- Repetitive motions: making frequent movements with a part of the body.
- Lifting: raising or lowering objects weighing no more than 10 pounds, from one level to another.

**Background Check Requirement**

Criminal Check
Education Check
Employment Verification
By position, Motor Vehicle Record

**Assessment Requirement**

None

**Probation Period**

Six (6) months.

**Class Detail**

Pay Grade: I-627
FLSA Code: N
Management Level: 10
Established Date: 9/21/2018
Established By: Lori Schumann
Revised Date: 9/13/19
Revised By: Greg Thress
Class History:
Update to pay grade and title.