

Radio Communications and Video Equipment Specialist

Position Details

Class Code: 7192

Job Family: Service/Transportation Workers

Classification: Support Professional

Terms of Employment: [Pay Grade 54 on the Support Professional Salary Schedule](#)

FLSA STATUS: NON-EXEMPT

Position Summary

Under general direction, inspects, troubleshoots, and determines method of repair for audio, video, and two (2)-way radio equipment. Extracts and views video footage from school buses, transportation vehicles, and school property.

Essential Duties and Responsibilities

This list of Essential Duties and Responsibilities is not exhaustive and may be supplemented.

1. Installs and/or oversees the installation of two-way radios, amplitude modulation/frequency modulation (AM/FM) radio-public address (PA) systems, video cameras/recorders, and global positioning system (GPS) units.
2. Maintains equipment repair records and equipment inventory.
3. Maintains system diagrams and sketches as on-site work is performed.
4. Troubleshoots, maintains, and performs basic repairs on peripheral equipment, and communication, audio, and video equipment.
5. Determines repair method(s) for communication and audio/video equipment (i.e., Clark County School District equipment repair section, outside Federal Communications Commission (FCC) certified vendor, etc.).

6. Monitors ultra-high frequency (UHF) repeater sites at various mountaintops and high-rise locations; monitors all transportation communication frequencies for optimum system performance.
 7. Aligns and adjusts camera and video systems according to manufacturer's specifications.
 8. Assists in maintaining necessary FCC licenses for UHF frequencies.
 9. Determines feasibility of equipment repair, recommends equipment replacement, and develops specifications for equipment/parts.
 10. Manages the transportation audio, video, and two (2)-way radio equipment warranty program; monitors process to correct warranty deficiencies; prepares written reports, communicates, and coordinates with District staff, contractors, and vendors regarding warranty repair problems.
 11. Assists in training District transportation personnel on proper radio etiquette (i.e., call signs, language, rules, and regulations).
 12. Performs daily status check of telematics equipment (i.e., Zonar), troubleshoots and repairs as needed.
 13. Perform monthly audits of all in-bus video equipment (i.e., Gatekeeper, Seon, 24/7, and Fortress) and troubleshoots/repairs, as necessary.
 14. Complies with confidentiality regulations regarding surveillance information including video footage, investigations, and proprietary evidence.
 15. Extracts and reviews video footage for evaluation of safety and compliance violations.
 16. Logs timeline and video evidence as requested by administration.
 17. Converts video footage as needed for storage and distribution.
 18. Conforms to safety standards, as prescribed.
 19. Performs other tasks related to the position, as assigned.
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Distinguishing Characteristics

Involves monitoring frequencies and overseeing the installation, repair, and maintenance of communication equipment. Repairs and maintains audio and video equipment on school buses.

Knowledge, Skills, and Abilities (Position Expectations)

1. Knowledge of basic electronic theory.

2. Ability to learn and use various software applications (i.e. Microsoft Excel and Word, Zonar, camera software, and video conferencing).
 3. Knowledge of UHF frequencies.
 4. Knowledge of the Clark County School District communication repeater/link system.
 5. Ability to read and interpret schematics.
 6. Ability to read and interpret written and verbal instructions.
 7. Ability to safely move and relocate heavy objects.
 8. Ability to operate hand/power tools and equipment associated with the position.
 9. Ability to distinguish color-coded wires.
 10. Ability to work flexible hours or shifts.
 11. Ability to work in confined areas.
 12. Ability to withstand heights and perform work safely.
 13. Ability to judge when to act independently and when to refer situations to a supervisor.
 14. Ability to work cooperatively with employees, contractors/vendors, outside agencies, and the public.
 15. Ability to recognize and report hazards and apply safe work methods.
 16. Possess physical and mental stamina commensurate with the responsibilities of the position.
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Position Requirements

Education, Training, and Experience

1. High school graduation or other equivalent (i.e., General Educational Development (GED), foreign equivalency, etc.).
2. Two (2) years of experience in the installation/repair of two (2)-way radio and video communications equipment; or,
One (1) year of experience in the installation, operation, and/or repair of two (2)-way communications or video equipment and one (1) year of experience in video investigations.

Licenses and Certifications

A valid driver's license or state-issued identification card.

Preferred Qualifications

1. FCC license.
2. Certified Electronics Technician - Associate Level.

Document(s) Required at Time of Application

1. Copy of a valid driver's license or state-issued identification card.
 2. High school transcript or other equivalent (i.e., GED, foreign equivalency, etc.).
 3. Specific documented evidence of training and experience to satisfy qualifications.
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Examples of Assigned Work Areas

Clark County School District facilities – offices and schools (i.e., mechanical equipment rooms, and cafeterias), construction sites, etc.

Work Environment

Strength

Medium/heavy - exert force of 50-100 lbs., occasionally; 25-50 lbs., frequently; or 10-20 lbs., constantly.

Physical Demand

Frequent sitting, standing, walking, pushing, pulling, carrying, crawling, stooping, kneeling, crouching, reaching, handling, repetitive fine motor activities, climbing, and balancing. Mobility to work in a typical office setting and use standard office equipment. Stamina to remain seated and maintain concentration for an extended period of time. Hearing and speech to communicate in person, via video conference and computers, or over the telephone. Vision: Frequent near and far acuity, depth perception, focal length change, color vision, and peripheral vision. Vision to read printed and online materials, a Video Display Terminal (VDT) screen, or other monitoring devices.

Environmental Conditions

Varies from a climate-controlled office setting to work outdoors with temperatures ranging from mild/moderate to extreme cold/heat. Exposure to noise levels ranging from moderate to loud for occasional to frequent time periods.

Hazards

Constant electrical shock hazards. Furniture, playground/office equipment, communicable diseases, chemicals and fumes (as related to specific assignment), and power/hand-operated equipment and machinery (as related to specific assignment).

Examples of Equipment/Supplies Used to Perform Tasks

Clark County School District-issued buses, drill motors, personal and laptop computers, power and hand tools, soldering irons/guns, crimping tools, ladders, test equipment, ultraviolet (UV) solder, multi-meter, and signal meter.

AA/EOE Statement

The Clark County School District is proud to be an equal opportunity employer. The Clark County School District is committed to providing all applicants and employees equal employment opportunities without regard to race, color, religion, sex, gender identity or expression, sexual orientation, national origin, genetics, disability, age, military status, or other characteristics protected by applicable law. Here at Clark County School District, we are a diverse group of people who honor the differences that drive innovative solutions to meet the needs of our students and employees. We believe that through a culture of inclusivity, we have the power to reflect the community we serve.

Job Revision Information

- Revised: 05/18/23
- Created: 07/19/02