



**Classification:** Chief Technician (User Support Unit)

**Title Code:** V07451

**Pay Range:** E06

**POSITION SUMMARY:** This highly responsible position may supervise and direct the installation, removal and testing of mobile communications equipment in the central radio shops. An individual in this position performs repair and installation of a variety of mobile and electronic equipment, and are assigned to work on special equipment or projects. Work primarily involves the coordination of communications technician personnel in the preparation of equipment for installation, assembly of mounting hardware, installing equipment interfaces, and troubleshooting and repair of operational problems that arise, as well as serving as the subject matter expert in the USU (e.g. breath alcohol instruments, RADAR, mobile and portable radio, research and product acquisition, etc). Work is performed with minimum supervision and is expected to exercise a considerable degree of judgement and discretion in performance of duties.

**DESCRIPTION OF DUTIES PERFORMED:** (Any one position may not include all of the duties listed nor do the listed examples include all tasks which may be found in positions of this class.)

In addition to the duties of an Assistant Chief Technician in the USU, a Chief Technician in the USU may perform the following:

Supervises assigned field communications technician personnel and provides guidance to employees concerning work performed.

Performs routine maintenance and repair on two-way communication equipment, radar units, electronic sirens, recorders, video systems, test equipment, and various specialized pieces of electronic equipment.

Oversees and performs special electronic construction projects.

Participates in special electronic construction projects.

Performs installation and repairs of communications and electronic equipment in the field as necessary.

Prepares reports pertaining to repairs, scheduled maintenance, parts acquisitions, etc.

Makes performance test and necessary repairs on mobile units and associated equipment stripped from older patrol vehicles for reinstallation in new vehicles.

May assist with the planning and implementation of emergency field communications systems.

Maintains current knowledge in assigned area of responsibility being able to provide expert testimony of equipment operation and maintenance.

Oversees project management and mentoring field communications technician in complex technical functions and best practices.

Perform job related travel, as needed.

Performs other related work as assigned.

**REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:** Thorough knowledge of the basic principles of installing commercial mobile radio equipment.

Thorough knowledge of direct current (DC) electronics as it applies to mobile radio equipment.

Thorough knowledge pertaining to the theory of operation of radio transceivers and associated components (e.g. antennas, transmission lines, power supplies, etc.)

Thorough knowledge of the policies and procedures of the Infrastructure Support Unit (ISU), Operations Unit (OPS) and the USU of the Communications Division and how they cooperatively support the general responsibilities of the division.

Thorough skill and knowledge in the use of tools essential in the removal and installation of communications equipment.

Considerable knowledge of basic electronic theory, as well as various telecommunications systems utilized by the Patrol.

Working knowledge of the strategic planning process.

Possess dexterity in moving from one part of a vehicle to another and in handling small tools and parts.

Possess successful time management techniques and organizational skills.

Ability to diagnose, repair and maintain a variety of mobile radios and other electronic and mechanical equipment utilized by the Patrol.

Ability to transport equipment such as mobile radios, base stations, spectrum analyzers, standby power supply batteries, etc.

Ability to effectively use tools such as soldering irons, screw drivers, wrenches, drills, integrated circuit extraction tools, etc., to install and/or repair communications equipment.

Ability to train and assist others in complex technical functions.

Ability to analyze and diagnose malfunctions of electronic equipment used in vehicles and perform corrective repairs.

Ability to read schematic diagrams and identify circuit components and their function.

Ability to disconnect, remove and transport mobile radio transmitters and associated equipment from the trunk or under dash area of a mid-sized vehicle.

Ability to safely operate small power tools and various hand tools used in the installation process.

Ability to safely use soldering iron and electronic testing equipment associated with the communications trade.

Ability to follow precise and detailed installation procedures.

Ability to gather, assemble, correlate and analyze facts to be incorporated into reports.

Ability to work in varying temperature extremes both inside and outdoors.

Ability to lift and position equipment weighing 50 pounds (e.g., spare tires and trunk mounted communications equipment, etc.).

Ability to operate a motor vehicle in accordance with Missouri State Highway Patrol policy and State of Missouri statutes, to include any Patrol assigned vehicle with the responsibility for its upkeep and basic maintenance.

Ability to work standing or sitting in confined areas, such as the interior of a vehicle or trunk for extended periods of time.

Ability to follow oral and written directions and exercise judgment and discretion.

Ability to operate basic office equipment as detailed in the description of duties.

Ability to handle restricted and confidential information in a professional manner and maintain the information as such.

Ability to communicate in English clearly and concisely, both orally and in writing.

Ability to establish and maintain harmonious working relations with others.

Ability to work with material that may be of a sexual nature relating to criminal activity (e.g., written material, photographs, and/or verbal language, etc.).

Ability to work hours as assigned.

**MINIMUM EXPERIENCE AND EDUCATION REQUIRED:** (The following represents the minimum qualifications used to accept applicants, provided that equivalent substitution will be permitted in case of deficiencies in either experience or education.)

Successful completion of seven total years as a Communications Technician, and may be required to successfully complete skill assessment evaluations for a Assistant Chief Technician in the USU (must have performed satisfactorily in-grade as a Assistant Chief Technician for one year).

Must continue to meet the qualifications outlined in Section 43.060 RSMo.

Pursuant to General Order 32-04, reassignment applicants must meet all of the prerequisite qualifications of that position and rank, as described in the job description, and complete all in-house training within the six month probationary period.

**NECESSARY SPECIAL REQUIREMENTS:** Must be a resident of Missouri throughout employment.

Must possess or obtain and maintain a valid driver's license.

Must successfully complete a job related examination and/or technical interview, specified by the Director of the Communications Division.

Must be of good character and never been convicted of a felony or any crime involving moral turpitude.

Per General Order 26-07, uniformed civilian employees will not have tattoos or brands on the head, neck, wrists, or hands. Tattoos and/or brands on any other part of a member or uniformed civilian's body, which would be visible during movements in the performance of their duties while wearing any official uniform or civilian attire, will be completely covered and not visible while on duty.

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**FLSA STATUS:** Non-Exempt

**WORK SCHEDULE:** An employee in this position works an eight-hour shift as directed; however, working hours are subject to change at the discretion of the commanding authority.