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| **CLASS CODE:** 7213 **PAY GRADE:** 015  |

**CLASS TITLE:** MICROWAVE COMMUNICATIONS TECHNICIAN I

**ALLOCATION FACTOR(S)**

This is technical work installing, repairing, maintaining, and replacing microwave communications equipment.

**EXAMPLES OF WORK PERFORMED:**

(Note: The examples of work as listed in this class specification are not necessarily descriptive of any one position in the class. The omission of specific statements does not preclude management from assigning specific duties not listed herein if such duties are a logical assignment to the position. Examples of work performed are not to be used for allocation purposes.)

* Repairs, maintains, and replaces radio microwave and auxiliary equipment according to diagrams, drawings, and sketches.
* Installs transformers, condensers, resistors, solid state transistors, integrated circuits and controls; and solders connections.
* Installs and tests antennae, frequency monitors, microphones, cables, and electrical interference suppressors.
* Changes fixed and mobile radio receivers and transmitters from one location to another.
* Services and operates radios, electrical tools, and testing equipment.
* Maintains necessary records as required by the agency and the federal communications commission.
* Performs related work as required.

**KNOWLEDGE, SKILLS AND ABILITIES:**

(Note: The knowledge, skills and abilities (KSA's) identified in this class specification represent those needed to perform the duties of this class. Additional knowledge, skills and abilities may be applicable for individual positions in the employing agency.)

* Knowledge of the procedures, techniques and equipment used for installing, maintaining and repairing microwave, AM and FM communications systems.
* Knowledge of the components and design requirements of microwave, AM and FM communications systems.
* Skill in using specialized tools and equipment for installing, maintaining and repairing microwave, AM and FM communications systems.
* Ability to identify malfunctions in microwave, AM and FM communications systems and take appropriate corrective action.
* Ability to maintain records relating to the installation, maintenance and repair of microwave, AM and FM communications systems.
* Ability to work independently.
* Ability to understand and follow technical instructions relating to the installation, maintenance and repair of microwave, AM and FM communications systems.
* Ability to plan, organize and coordinate work assignments.
* Ability to communicate effectively.

**MINIMUM QUALIFICATIONS**

* Completion of a training course in microwave radio installation and repair and one year of experience in the installation, maintenance and repair of AM and FM communications systems; or
* Completion of a training course in microwave radio installation and repair and completion of a program of study in radio installation and repair from a vocational/technical school or college.

**EFFECTIVE:**

7/1/1986

**HISTORY:**