

Specification for Class of

TOWER MAINTENANCE SPECIALIST

Abolished Initially Effective January 13, 2006

Abolished Final Effective February 10, 2006

Definition: Performs journey-level installation, maintenance and repair work on steel communication towers.

Distinguishing Characteristics: Individuals assigned to this class have established journey-level skills as a steelworker or one or more associated communication or construction trades. They perform independently or as a principal journey worker on communication towers up to 300 feet high, or higher. They instruct other workers and are responsible for the safe and proper completion of assignments.

Typical Work

Reads and interprets tower plans, blueprints, and diagrams; inspects contracted tower installations;

Sets tower rigging at elevations to three hundred feet or higher as required, using gin poles and power winches;

Installs and maintains tower warning lights and navigation/airway beacons;

Fabricates and installs climbing ladders, transmission line ladders, ice shields, and antenna mounts using shop power equipment and arc or gas welding;

Installs and maintains all transmission lines, including connectors; installs antenna systems and aligns parabolic reflectors; schedules regular transmission line pressure inspections;

Inspects towers, tower piers, antennas, and associated equipment for earthquake or windstorm damage;

Steel brushes, scrapes, and sandblasts towers, transmission structures and associated equipment; paints towers, structures and equipment using brush or spray method;

Supervises technicians or helpers assigned to assist in tower construction or maintenance, observing approved safety procedures;

Plans, organizes, and schedules all tower maintenance with minimum supervision; purchases all trade associated supplies and maintains a running inventory of materials needed;

Assists journey tradepersons in construction skills related to communication systems;

Travels as required throughout the State of Washington;

Develops and maintains reports on vehicle usage, job time, work schedules, travel and job expenses and preventive maintenance;

Performs other duties as required.

Knowledge and Abilities

Knowledge of: steel tower design, construction, installation and maintenance; safety procedures and practices; steel fabrication, painting, and repair techniques.

Ability to: climb towers and work at heights; instruct others in safe practices and maintenance procedures; develop and maintain efficient work schedule; use power tools and other equipment required in tower maintenance.

Minimum Qualifications

Graduation from high school or GED certificate.

AND

Four years' journey-level experience in the erection and/or maintenance of structural steel towers.

Note: (1) A valid driver's license shall be required.

(2) An agency-approved physical examination may be required.

New class

Effective September 15, 1978

Revised June 15, 1990

Revises minimum qualifications