



Job Brief

Antenna Technician [CWA09]

Report ID : NMIC-RPT.STF.024

Report Date : 12/03/2024 08:48:35 AM PDT

Job Key : 50624226 Job Title : Antenna Technician [CWA09]

GENERAL INFORMATION

Job Brief Date : 04/20/2001
Revised Date : 2/20/2024
Wages : WS30
Time in Title (TNT) : 36 Months
Job Family : Technical
Business Unit(s) : California Markets
Discipline(s) : Network Operations
Region : West Region

GENERAL DUTIES

SOME OF THE TASKS AND DUTIES

- 1) Works with heavy-duty power equipment and hand tools in the construction and repair of microwave towers in excess of 200 feet tall, parabolic antennas up to 15 feet in diameter weighing more than 3,000 pounds.
- 2) May be required to climb 100 foot non-stepped poles with the use of climbers.
- 3) Installs and maintains OMNI-directional antennas on wooden poles in excess of 100 feet tall.
- 4) Loads required tools and material into assigned Company vehicle and drives or rides to work locations.
- 5) Rigs loads in excess of 3000 pounds to be hoisted over 200 feet high.
- 6) Operates 8 ton articulated hydraulic crane.
- 7) Understands block loading principles using "parts of line" to determine mechanical advantage.
- 8) Install and maintains waveguide air pressure systems.
- 9) Drive vehicles with three or more axles or tow other vehicles of 10,000 pounds or more. Required to hold a Class "A" Driver's License.
- 10) All employees must hold a commercial vehicle driver's license and, as part of their job function, are required to operate a motor vehicle whose Gross Combination Weight rating of 26,001 or more pounds inclusive of a towed unit with a gross vehicle weight rating of more than 10,000 lbs. Federal regulations require participation in mandated drug and alcohol testing programs.
- 11) Receives verbal and/or written work orders and instructions from supervisor or lead technician.
- 12) Reviews and analyzes complex schematic drawings to determine work to be done, methods, and sequence of tasks.
- 13) Performs various types of construction operations which all require heavy physical labor and lifting.
- 14) Required to follow standards and practice while meeting service deadlines.
- 15) Performs housekeeping duties for assigned Company vehicles and various work locations for the safety of the employee and protection of the facilities under construction.
- 16) Performs preventative maintenance on all assigned Company tools, equipment, and motor vehicles.
- 17) Uses hand tools to attach and detach various kinds of hardware to towers, antennas, etc. Works with color-coded waveguides and coaxial cables.
- 18) Must meet specific quality, production, and safety standards.
- 19) Works with tools, equipment, and cable that may be heavy which have to be loaded and unloaded from Company vehicle, moved, or rearranged.
- 20) Performs time reporting tasks on a daily basis.

BASIC QUALIFICATIONS

TESTS

Test Name	Type	Applicability
Technical Mechanical Test-III (TMT III)	Basic	Required

[VIEW TEST GUIDES](#)

PHYSICAL REQUIREMENTS

Must be able to lift up to 100 lbs.



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Maximum weight limitation

Ability to perceive differences in wire and conductor colors.

Ability to hear test set tones for wire and conductor identification.

*Positions requiring a Class A commercial driver's license, which includes passing a State physical exam, may be required to participate in Federally mandated drug and alcohol testing programs which include a pre-duty and random drug and alcohol testing.

The maximum body weight load is 325 lbs.

SPECIFICS

Hours

May be scheduled a 4 day 10 hour shift. May be required to work weekends

Subject to callout and extended periods of overtime during adverse weather conditions or emergency restoration.

ADDITIONAL FACTORS

Required Skills

This job has Required Skills. See attached Skill Code List.

Skills That May Be Required

This job has May Be Required Skills. See attached Skill Code List.

TRAININGS

Certification in Tower Climbing and Rescue is required. OSHA REQUIRED. Cold weather survival.

Helicopter safety. Sno-Cat operation and safety. On the job instruction. Training is evaluative.

ENVIRONMENT

- 1) Exposed to various adverse weather conditions, e.g., cold rain, snow, heat, etc.
- 2) Works outside aloft on microwave towers, 100 foot non stepped poles, on ladders, and occasionally on aerial personnel lifts.
- 3) Works with hands in tight areas for extended period of time
- 4) Works on job assignment that exposes technician to above normal level of dirt, oil, grease, dust, mud, and water.
- 5) Complies with hazardous waste restrictions.
- 6) Must wear safety glasses, hard hat, heeled boots, and any other necessary protective gear or clothing.
- 7) 95% of work requires travel away from headquarters location.
- 8) Occasional tours of 11 days on and 3 off are required.
- 9) Requires above average mechanical aptitude to solve structural problems that arise in the field during the construction and maintenance procedures.

SKILLS

Skill Code	Skill Name	Applicability	Skill Description
C1025	Assembly	Desired	PERFORM A SERIES OF OPERATIONS BY WHICH COMPONENTS ARE ASSEMBLED. CONTROLS OR ASSEMBLES BY SOME MEANS OF FASTENING, INTERLOCKING, MOUNTING OR FITTING PARTS TOGETHER FOR THE PURPOSE OF BRINGING A PRODUCT TO A PARTIAL OR FINAL STAGE OF COMPLETION.
C1053	Blueprints/Electrical Diagrams Knowledge	Desired	UNDERSTANDS, INTERPRETS AND USES BLUEPRINTS AND DIAGRAMS FOR SERVICING OF FACILITIES OR EQUIPMENT.
C1064	Buying	Desired	PURCHASE OF SUPPLIES AND EQUIPMENT IN THE MOST COST-EFFECTIVE MANNER; INVOLVING SOME DIRECT VENDOR AND CLIENT CONTACT.



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Skill Code	Skill Name	Applicability	Skill Description
C1106	Communication Skills (Speaking)	May be Required	ORALLY TRANSMIT IDEAS, INSTRUCTIONS AND INFORMATION SO THEY ARE CLEARLY UNDERSTOOD BY OTHERS IN FORMAL OR INFORMAL FACE-TO-FACE SITUATIONS OR ON THE TELEPHONE.
C1148	Coordination	Desired	INTERFACE BETWEEN SEVERAL CONTACTS WITHIN AN ORGANIZATION, BETWEEN A VARIETY OF OTHER DEPARTMENTS AND/OR EXTERNAL ORGANIZATIONS TO TRACK AND AND ENSURE COMPLETION OF A TASK PROJECT; MAY INCLUDE COORDINATION OF WORKLOAD ASSIGNMENTS FOR OTHER EMPLOYEES.
C1741	Equipment Maintenance	Desired	APPROPRIATELY CARES FOR THE VARIOUS PIECES OF EQUIPMENT THROUGH NECESSARY LUBRICATION, CLEANING, ADJUSTING, ETC.
C1243	Excavation	Desired	PERFORM THE PROCEDURES FOR NECESSARY MINOR GROUND CLEARANCE REQUIRED FOR EQUIPMENT INSTALLATION/REPAIR.
C1299	Inspection	Desired	VISUAL AND MECHANICAL CHECKING OF COMPONENTS IN PROCESS AND FINAL PRODUCT FOR CONFORMANCE TO SPECIFIED WORKMANSHIP, DIMENSIONAL, MECHANICAL AND SIMILAR REQUIREMENTS. INCLUDES INCIDENTAL ELECTRICAL CHECKS UTILIZING PROVIDED FACILITIES.
C1802	Installation - Dehydrators	Desired	DESIGN, INSTALL AND MAINTAIN WAVEGUIDE AIR PRESSURE SYSTEMS. INCLUDES REPAIR OF DEFECTIVE DEHYDRATOR UNITS.
C1800	Installation - Parabolic Antennae	May be Required	PLACING AND ALIGNING PARABOLIC ANTENNAE UP TO 15 FEET IN DIAMETER.
C1801	Installation - Transmission Line	May be Required	PLACING ELLIPTICAL WAVEGUIDE FROM 18 GHz. INCLUDES RESTRAINING AND INSTALLATION OF CONNECTORS.
C2040	Instruments And Measurements	Desired	UNDERSTANDS AND USES A DIGITAL MULTIMETER; METER MOVEMENTS; ANALOG AMMETERS; ANALOG VOLTMETERS; METER LOADING; ANALOG OHMMETERS; INSULATION TESTERS, ETC.
C1394	Manual Transmission Knowledge	Required	ABILITY TO DRIVE A MOTOR VEHICLE WITH A MANUAL TRANSMISSION.
C1395	Map Reading	Desired	ABILITY TO READ MAPS IN GOING FROM ONE LOCATION TO ANOTHER.



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Skill Code	Skill Name	Applicability	Skill Description
C1401	Material Control Operations	Desired	PERFORMS ASSIGNED TASKS IN AREAS SUCH AS RECEIVING, STOREROOM, TOOLROOM, PACKING AND SHIPPING. REQUIRES PHYSICALLY HANDLING, CHECKING AND TRANSPORTING MATERIALS.
C1804	Mechanical	May be Required	Design and fabricate structures using ironwork and products like Unisrut. Includes field engineering and building skills that require a high degree of mechanical aptitude such as ironwork, carpentry, plumbing, welding, machinist and other similar construction trades
C1761	Mechanical/Diesel Equipment	Desired	PREVIOUS TRAINING OR WORK EXPERIENCE IN A MECHANICAL FIELD OR OPERATING DIESEL AND/OR GAS OPERATED HEAVY EQUIPMENT.
C1775	Pole Climbing - Stepped	Required	ABILITY TO CLIMB STEPPED POLES
C1776	Pole Climbing - Unstepped	Required	ABILITY TO CLIMB UNSTEPPED POLES
C1579	Record Keeping	Desired	EFFECTIVELY CREATES AND MAINTAINS RECORDS AND KEEPS ACCURATE RECORDS CONCERNING AREA OF RESPONSIBILITY.
C1595	Research And Investigation	Desired	THE ABILITY TO FACT FIND AND PROBLEM SOLVE BASED ON INFORMATION GATHERED FROM ONE OR MULTIPLE SOURCES.
C1803	Rigging	Desired	THE ABILITY TO RIG LOADS IN EXCESS OF 4000 USING LINE PULL AND BLOCK LOADING FORMULAS. INCLUDES KNOWLEDGE OF VARIOUS RIGGING KNOTS AND HITCHES.
C1602	Safety Awareness	Required	KNOWS AND FOLLOWS COMPANY POLICY AND PROCEDURES REGARDING SAFETY. MAINTAINS APPROPRIATE LEVEL OF CAUTION WHEN WORKING, LIFTING, OR HANDLING POTENTIALLY HAZARDOUS EQUIPMENT OR MATERIALS.
C1603	Safety Compliance	Required	COMPLIES WITH ALL SAFETY AND HOUSEKEEPING STANDARDS.
C1680	Time Reporting	Desired	PROCESSING HOURS WORKED, EITHER MANUALLY OR ELECTRONICALLY. MAY INCLUDE COMPLETING FORMS, CODING AND/OR ENTERING.
C1686	Tool Knowledge	Desired	UNDERSTANDS AND USES THE VARIOUS TOOLS REQUIRED FOR BUILDING, MAINTENANCE OR SERVICE SUPPORT FUNCTIONS IN AN EFFICIENT AND SAFE MANNER.

LICENSE/CERTIFICATIONS



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Skill Code	Skill Name	Applicability	Skill Description
C1438	Motor Vehicle License (Class A)	May be Required	POSSESS A VALID CALIFORNIA/NEVADA DRIVER'S LICENSE (CLASS A) WHICH INCLUDES PASSING A CALIFORNIA/NEVADA STATE PHYSICAL EXAM. BE ABLE TO DRIVE LARGE TRUCKS, PULL TRAILERS AND HAVE A KNOWLEDGE OF AIR BRAKES.
C1437	Possess valid driver's license.	Required	Possess valid driver's license.

REASONABLE ACCOMMODATIONS

Reasonable accommodations will be made for qualified candidates with disabilities. Essential job functions are identified for specific jobs on job requisition forms.