



## Combination Technician

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**Department:** Field Operations

**Location:** Utqiagvik

**FLSA:** Non-Exempt

**Reports To:** Exchange Manager

**Approved By:** Director of Operations

**Revision Date:** 8/31/2015

**Effective Date:**

### Position Description

Combination Technician responsibilities include: performing work required in connection with the, maintenance, repair, testing, installation, monitoring and servicing of all types of service provisioning equipment. Work includes, but is not limited to: technologies/protocols such as Digital and IP Central office switching, Carrier Systems, Radio Networks, SONET, Carrier Class Ethernet Switch/Routers, TCP/IP, Optical Add/Drop Terminals, CWDM/DWDM Terminals, MPLS, ATM, DSL equipment and connecting telecommunications interfaces. Functions performed in Utqiagvik, AK and surrounding villages in extreme arctic conditions.

### Principle Accountabilities

- Provide construction, operation & maintenance of voice lines, data lines and cellular wireless services
- Install, maintain, and repair customer premises equipment. Install drop wires, station protectors, network interface devices, DSL equipment and performs initial wiring or rewiring for new and existing subscribers.
- Working knowledge of Open Source Interconnection (OSI) model to Layer 3 (Networking)
- Responsible for installation and maintenance of network equipment
- Conduct locates of buried copper and fiber cables
- Install aerial and buried cable using Ditch Witch trenching equipment, skid steer, etc.
- Interpret network drawings and schematics and implements design parameters as specified
- Climb utility poles and telecommunication towers;
- Install and troubleshoot voice and data circuits utilizing Circuit Layout Records (CLRs) and appropriate test equipment;
- Demonstrate exceptional communications, customer service skills, technical, and problem solving skills and the ability to effectively operate tools necessary to perform job duties;



- Work independently in remote locations with extreme arctic weather conditions;
- Install, maintain and troubleshoot emergency power systems to include facility level battery plants and back-up generators
- Terminate, splice and test fiber optic cables utilizing appropriate equipment
- Perform provisioning, operations and maintenance on Fiber Optic Mux
- Perform site surveys for upgrades and new installations of customer telephone key systems. Determine material lists and quantify labor hours needed to formulate competitive sales proposals
- Install, troubleshoot and maintain licensed and unlicensed IP and TDM based radio systems Monitor network for equipment alarms and adverse trends to proactively prevent network outages
- Perform facility maintenance of in remote arctic environment
- Perform all duties in accordance with all applicable OSHA and FCC safety guidelines
- Identify potential on the job safety hazards and reports to supervisor as appropriate

### **Knowledge, Skills, and Abilities**

- Working knowledge of the following equipment by priority; Genband C15, AFC, Calix, Fujitsu and Adtran equipment.
- Ability to safely use ladders, boom/bucket truck, trenching equipment and other associated telecommunications construction equipment
- Good verbal and written communication skills.
- The speech, hearing and visual ability for this position includes reading, writing, spelling, and the ability to communicate clearly using the terminology of the communications industry in the English language.
- Working knowledge of Windows based personal computer equipment, including Microsoft Office Suite
- Ability to work independently and in a team environment.
- Must be detail oriented.
- The physical demands of this position require standing, sitting, stooping, kneeling, walking, the ability to lift at least 50 pounds, and work at heights of 60 ft. or above;



- Individual must demonstrate a positive attitude in a rapidly changing industry.
- Ability to work a schedule reflective of 10 hour days of a 3 week shift (21/10's) and work occasional overtime hours beyond the scheduled 10 hours.
- Intermittent extended hours of employment requiring considerable physical and emotional stamina.
- Ability to accomplish on site work at ASTAC facilities requiring travel by foot, all-terrain vehicle, pick-up truck, aircraft, and various other means of transportation as may be available, in varying and often extreme arctic conditions.

### **Education and Experience Required**

- Key/PBX system experience including Nortel, ESI, and Avaya systems.
- Calix Multiservice Access Platform experience preferred
- Experience using Microsoft Office application Suite.
- Preferred certifications in copper and fiber and applicable industry hardware and software applications
- Tower Climbing Certifications preferred.

### **Acknowledgement**

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**Employee**

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**Supervisor**

**Note:** This job description in no way states or implies that these are the only duties to be performed by the employee(s) incumbent in this position. Employee(s) will be required to follow any other job-related instructions and to perform any other job-related duties requested by any person authorized to give instructions or assignments.

A review of this position has excluded the marginal functions of the position that are incidental to the performance of fundamental job duties. All duties and responsibilities are essential job functions and requirements and are subject to possible modification to reasonably accommodate individuals with disabilities.

To perform this job successfully, the incumbent(s) will possess the skills, aptitudes, and abilities to perform each duty proficiently. Some requirements may exclude individuals who pose a direct threat or significant risk to the health or safety of themselves or others. The requirements listed in this document are the minimum levels of knowledge, skills, or abilities.

This document does not create an employment contract, implied or otherwise, other than an "at will" relationship.