



Field Engineer, Wireless Networks

Department: Wireless Networks

Location: Anchorage

FLSA: Exempt

Reports To: Director, Wireless Networks

Approved By: Jens Laipenieks

Revision Date: 09/05/19

Effective Date: 11/15/17

Position Description

- This position is responsible for the design, operation, maintenance, solution, requirements documents, integration plans, test plans, and project/repair schedules of wireless networks
- Perform on-site installation, testing, monitoring, maintenance, operation and/or repair of critical wireless equipment/systems as required
- Primarily Telecom, including macro cell, small cell, SIAD and other transport equipment. Experience with Mechanical, Electrical, and HVAC is helpful
- Provide on-site and remote support to company personnel, customers, & contractors by taking lead to investigate, analyze, plan, design, develop, implement, test, and evaluate critical wireless systems preventively
- Act as the overall technical engagement manager for current/prospective wireless projects

Principle Accountabilities

The Project Coordinator performs a wide range of duties including some or all the following:

- Be a core member of the engineering team and responsible for the advancement of the company's wireless initiatives.
- Troubleshoot issues in test and production environments and determine the appropriate corrective action.
- Travel regularly to respond to ongoing initiatives or emergency efforts.
- Takes responsibility for potential or desired improvements or problem escalation.
- Owns post installation system and verifies quality standards are being achieved working closely with Wireless System Analyst and ASTAC vendors.
- Responsible for operation and maintenance of centralized cellular equipment.
- Monitoring the overall health of the cellular network; including daily operational checks, alarm analysis, corrective actions and follow up, and proactive monitoring of all switching, data, RF, and associated equipment.



- Provides second level technical assistance to Customer Service, and field technicians to resolve problems affecting voice, SMS, data and roaming customers.
- Coordinates with company personnel at edge locations to schedule and assure resources are available for wireless needs including network changes and upgrades.
- Assists with new site/equipment turn up or software upgrades. Tasks may include resource planning, testing documentation preparation, testing of network, documentation of results, etc.
- Must be willing to travel on a regular basis

Knowledge, Skills, and Abilities

- Excellent communication skills and ability to work well with all levels of management and personnel.
- Demonstrated ability and expertise required to implement, evaluate, troubleshoot, and provide design feedback to design engineers on complex wireless initiatives.
- Experience interfacing with a multi-disciplinary engineering team on evolving designs and working knowledge of cellular data communications.
- Hands-on hardware and software troubleshooting experience with emphasis on related issues including GSM, UMTS and LTE technologies, microwave, RF propagation, all layers of the OSI model, neighbors lists, and network translations.
- Ability to work in stressful situations and maintain focus on proper troubleshooting and maintenance procedures.
- Strong technical aptitude and ability to research and solve complex issues independently.
- Advanced knowledge of test equipment, IP networking, sub netting, and applications common in a Wireless network environment (routers, GGSN, SGSN, SMS-C, etc).

Education and Experience Required

- Minimum Bachelor Degree in a related field; Master's Degree preferred. Years of experience can be substituted year for year with relevant work experience.
- At least Ten years of experience in the wireless industry or similar experience with focus on engineering, planning, implementation, installation, operation, and maintenance of network elements.
- Experience on at least (4) of the following hardware platforms and/or peripherals (Ericsson, Nokia, Alcatel Lucent, Huawei, SUN, Cisco, Juniper, Fluke, NEC, Aviat, Anritsu)
- Able to read and interpret equipment manuals and schematic diagrams from a variety of manufacturers and be familiar with error reporting programs
- Have a valid driver's license



Performance Expectations

- Prioritize and meet deadlines consistently.
- Collaborate effectively with engineering, third party and other ASTAC team members
- Meet and exceed principle accountabilities

Acknowledgement

I have reviewed and understand the Position Guide and believe it to be accurate and complete. My acknowledgement below indicates I am fully aware that my adherence to the terms of this Position Guide will be a major element of all future evaluations. I also agree that my Manager, the General Manager, and the Board of Directors retain the right to change this Position Guide at any time.

	Date		Date
Employee		HR Manager	

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.