

Job Description

Position Title: Electrician

Reporting To: Electrical Supervisor

Key Relationships: Internal – All VAA Staff
External – Third Party Contractors, Airport Security, Vendors

Supervisory Responsibilities: None

Role Summary:

The Electrician is responsible for performing electrical inspections, maintenance, and repair related to airfield lighting and building electrical systems at the Airport. Electricians must be available to be 'on-call' to respond to after-hour lighting, signage, electrical emergencies and winter operations. The Electrician is a union position reporting to the Electrical Supervisor and will normally work a 40-hour work week.

Description of Duties:

The overall responsibilities of the Electrician include but are not limited to:

- Responsible for the maintenance and repair of all electrical systems, illumination devices, lighting systems and signs in accordance with TP312 and Canadian Aviation Regulations (CARs) on the airfield and various electrical tasks in compliance with CSA Z462 for terminal power and various other high and low voltage systems and equipment at the airport (e.g., generators, gates, PA systems, parking etc). This work includes cleaning, repairing, inspecting and calibrating as required.
- Performs maintenance on Airfield Lighting Support Facilities including the FEC (Field Electrical Centre) which houses Constant Current Regulators (CCRs) and associated control systems that power Instrument Landing systems (ILS), Aircraft navigational equipment and communication sites
- Performs maintenance on various lighting fixtures such as PAPIs, Runway Guard Lights, runway approach lighting, taxiway centreline lighting and elevated runway, taxiway and apron edge lighting
- Performs an active maintenance program on electrical facilities and equipment through scheduled inspection, load testing, routine work tasks, lubrication routines and work projects.
- Troubleshoots systems failures and makes repairs as necessary.
- Within the electrical field, accurately complete all required documentation, both written and digital, and ensures it is communicated to the appropriate personnel or agencies.
- Assist with departmental purchases, budget planning and implementation as required.
- Assist with the maintenance of inventory and supplies, and updates Supervisor as required.
- Participate in ongoing training, upgrades, safety and technology advancements.
- Liaise with contractors.
- Ensures electrical shop and vehicles remain clean and organized.
- Takes personal responsibility for VAA's Safety Management System, safety related issues and integrate safety into daily work activities.
- Electricians must be available to be on-call and respond to after-hour electrical emergencies and winter

operations.

- Assists as needed and directed by the supervisor in other related or non-related duties and assumes responsibility for more senior positions when required and qualified.
- Other related duties.

Education and Experience:

Completion of Grade 12 and BC or Inter-provincial Journeyman Red Seal ticket with a minimum one-year airport related experience. A valid BC Class 5 driver's license with air brake endorsement.

- Within six (6) months of hire the Electrician must obtain and maintain the appropriate level of Airport Security Clearance (RAIC) as well as the following certifications:
 - Airside Vehicle Operator Permit 'D' (AVOP).
 - Radio Operator's Certificate – Aeronautical.
 - Transport Canada approved Pleasure Craft Operator Card.
 - WHMIS certification.
 - Fall Arrest certificate.

Knowledge, Skills, Abilities:

- Must have significant knowledge of electrical systems.
- Previous experience in an airfield environment preferred
- Extensive knowledge of airfield lighting circuitry, power requirements and associated equipment would be considered an asset
- The ability to work with the general electrical systems ranging from replacing lighting fixtures to performing panel maintenance, as well as supervising and assisting contractors work on specific Electrical systems Operating Procedures (SOPs) and TP312 Aerodrome Standards and Operating Practices
- Ability to facilitate installations and perform troubleshooting and repairs.
- Excellent time management and organizational skills with the ability to work under deadlines with conflicting demands.
- Ability to read and interpret technical drawings, manuals, regulatory documents, such as TP312, Canadian Aviation Regulations (CARs), Canadian electrical, fire and building codes.
- Above average mechanical aptitude.
- Ability to read blueprints, engineering documents and manuals.
- Ability to locate underground utilities
- Aptitude and willingness to learn new technology.
- Personal suitability to work in emergency, hazardous (i.e., confined space, heights) or inclement weather situations.
- Ability to hike to remote beacon sites, which may involve strenuous effort to climb steep hills and traverse uneven terrain.
- Ability to be tactful, demonstrate excellent judgment, and work as a positive and collaborative team member.
- Excellent interpersonal skills, able to interact with all levels in a professional, positive manner, able to build trusting relationships and be a team player.
- Excellent, effective communication skills, both oral and in written format with proficiency in the English language.
- Basic computer skills and the ability to use a wide variety of software packages.
- Enthusiastic, energetic, and the ability to be a self-starter and work independently.