

Job Description

Job Title:	Electrician	Job Category:	Airport Operations
Department/Group:	Facilities & Projects	Job Code/ Req#:	35
Location:	ORIA	Travel Required:	Occasional Travel
Level/Salary Range:	Grade 4	Position Type:	Full-Time
Job Holder:			

Job Purpose

To perform electrical work for CIAA buildings and airfields in Grand Cayman and Cayman Brac, in accordance with the local electrical code and international regulations.

Dimensions

In addition to standard building-related electrical work, the Electrical Unit is responsible for electrical work in the construction, installation and maintenance of electrical equipment and works on runway lighting and power distribution system, ensuring the application of local, FAA and ICAO regulations.

Under general supervision, the postholder assists with the alteration, installation, maintenance and repair of electrical switchgear, equipment and fixtures. Work in the Airport specialty requires the application of Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) regulations to repair electrical equipment used to guide commercial aircraft and by hazards inherent in an airport environment.

Role and Responsibilities

- Install, inspects and maintains lighting systems and beacons at airports.
- Installs/upgrade Airfield lighting systems in compliance with FAA and ICAO recommendations.
- Inspects beacon and light, such as boundary, runway, obstacle and airport -control lights, replacing defective lenses or bulbs and cleaning or repairing equipment.
- Installs/alters, maintains and repairs electrical wiring systems and equipment, both high voltage, and low voltage, for all CIAA projects, according to sketches and blueprints.
- Assist in documenting information on preventative maintenance programme.
- General electrical tasks, such as repairing wiring, electrical fixtures, a variety of electrical components, and computer-based control equipment.
- Airfield fault finding and diagnostic troubleshooting.
- Drive vehicle to and from work sites and reports unsafe conditions and equipment.
- Make recommendations to improve electrical systems for all facilities.
- Provide standby cover and work overtime in emergency situations.

Qualifications and Education Requirements

- Sound education background, with a minimum of high school diploma.
- Completion of an accredited electrical programme.
- Ten (10) years' experience as a senior electrician dealing within the aviation field, dealing with airfield installations, maintenance and fault finding is essential.
- Valid Cayman Islands driver's license of the appropriate class or grade.
- Valid Electrical license from the Cayman Islands Building Control Unit.
- Electrical construction and maintenance, including installation of all sizes of electrical conduit, cables, wires, switches, automatic starting equipment and pole line construction.
- Experience and trained in occupational hazards and necessary safety precautions.
- Local Electrical Code, FAA and ICAO regulations.
- Experience with Airfield equipment technology.

Preferred Skills

- Problem solving and trouble-shooting skills.
- The care and use of hand tools and equipment necessary to perform various electrical tasks such as multi-meters, meggers and ground testing equipment.
- Locating and adjusting defects in in electrical systems and equipment.
- Use graphic instructions such as blueprints, schematic drawings, layouts or other visual aids.
- Ability to estimate labour and/or material cost/amounts from blueprints or work plan.
- Make mathematical computations.
- Express ideas on technical problems clearly and concisely orally and in writing in English language.
- Observe, monitor or compare data to determine compliance with prescribed operating or safety standards.
- Make decisions and coordinate work based on information provided.
- Maintain cooperate working relations with engineers, architects, contractor, other members of staff and general public.
- Experience with generators, Fire Alarms & Control Systems a plus.

Assignment & Planning of Work

Assignments are guided by the Airport Electrical Supervisor. The postholder works under the supervision of the electrical Supervisor, however, will be required to identify and remedy electrical problems as they arise. Post holder works independently at times and under the directive and supervision of the Airport Electrical Supervisor. Many duties associated with this position will be identified if or as a fault occurs.

Supervision of Others

Oversight of electrical work carried out by non-certified staff

Other Working Relationships

- Managers of Departments within the Authority
- Maintenance staff
- Airport tenants
- Electrical Contractors



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Safety Responsibilities

The post holder has the following general safety responsibilities:

- To comply with the relevant safety requirements and procedures outlined in the pertinent Aerodrome Manual and/or any Appendices thereof, including CIAA Safety Management Manual (SMM) and other duly approved Manuals, Safety Directives, and Safety Advisories;
- To apply system safety measures as required by safety management procedures and instructions;
- To advise the Chief Safety Officer of any safety occurrence or system failure and to identify and report any situation of potential risk or concern affecting system safety;
- Supporting safety audits as and when they occur;
- Supporting safety investigations as and when they occur; and
- Complete an approved ICAO/IATA/ACI SMS Course or attend CIAA SMS Training Course each calendar year.

Safety Training & Education

As per Section 4 .1 of the CIAA SMS Manual (Vol. 2)

Additional Notes

Disruptions in scheduled duties due to emergency calls that are a result of mechanical/electrical problems

Working Conditions

Work involves contact with high voltage power systems. Occasional periods of high levels of physical exertion required. This includes heavy lifting, climbing, crouching, balancing, and working in confined spaces. The majorities of duties are outdoors and require predominately walking and standing and manual labour tasks. Stand-by cover is required. Working evenings, days and weekends as required.

Reviewed and Agreed by Employee:		Date (dd/mm/yyyy):	
Approved by Manager/ Supervisor:		Date (dd/mm/yyyy):	
Reviewed/Updated By HR:		Date (dd/mm/yyyy):	