

JOB DESCRIPTION

Position: Electrical/Avionics Engineer
Reports To: Lead Engineer
Status: Exempt

POSITION RESPONSIBILITIES

This person will work in the engineering department performing avionics integration, electrical and electronic design and integration, and installation design for electrical components and systems for the aircraft. He/She will be responsible for coordinating efforts on electrical design projects as well as supporting vendor projects, various certification programs and current production. He/She will report to the Director of Engineering and work with the other engineering groups. He/She will be expected to apply for FAA systems DER if they do not already have the qualification.

Duties include but are not limited to the following;

Avionics Integration:

Coordinate and integrate avionics installations and other electrical installations according to customer sales build order. These changes must be coordinated through the engineering system for proper release to the FAA, as required. Some CAD support will be available, but the designer will be expected to do most of his/her own CAD drafting.

Component/System Design:

Design components, systems, and subsystems for the helicopter. This includes electrical design and electro-mechanical design and installation of the components and systems.

Minor Product Changes:

Make minor changes (including E.O.'s or drawing revisions, if necessary) as required to correct design issues raised by production, test, or production liaison.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES

The candidate should possess the following:

- An Electrical Engineering Degree or equivalent.
- A basic understanding of aircraft structure.
- Electrical system analysis skills.
- Electrical troubleshooting skills.
- Basic or advanced computer skills.
- A basic or advanced understanding of general aviation avionics and rotorcraft or general aviation aircraft systems.
- Problem solving skills.
- An ability to work with people.
- Basic or more advanced CAD skills are highly desirable.