



# Job Description

**Job Title:** Sr. Systems Engineer (Avionics)

**Department:** Engineering

**Reports To:** Vice President Engineering

**Status:** Salaried – Exempt

**Approved By:**

**Labor Code:**

**Approval Date:**

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## **POSITION SUMMARY:**

The Sr. Systems Engineer is responsible for overseeing the systems development of new avionics products for the commercial and military markets. This includes initial systems product design, system or sub-system specification, product test, product qualification and production support. The position supervises other engineers and engineering technicians and coordinates with the Manufacturing, Software, Hardware and Mechanical Engineering Managers and the Program Office.

## **GENERAL DESCRIPTIVE TASKS AND RESPONSIBILITIES**

- Work with customers to define system requirement specification, including product performance, system interfaces and display functions.
- Generation and maintenance of the Systems or Sub-System Specifications.
- Design tasks include, but are not limited to: System Architecture, Signal Definition, TSO Compliance assurance, definition of sub-system design including AMLCD Technology, Backlighting, Bezel & controls, System Interconnection, EMI Lighting and Thermal Design.
- Support to marketing. Prototype design and fabrication. Technical support.
- Support to Hardware Engineers, Test Engineers, Software Engineers to ensure customer requirements are met.
- Assist in Qualification Testing. Perform failure analysis and troubleshoot.
- Manage and report project details to internal and external customers.
- Other duties as required.

## **EDUCATION AND EXPERIENCE**

Minimum Educational Requirements:	4 year accredited college degree. BSEE (Mech. Eng., EEE and/or Aerospace Eng. Physics.)
Minimum Years Experience:	5-8 years hands on systems experience in the avionics field.
Technical Training Required:	Extensive knowledge of aircraft instrument and avionics systems, FAA and EASA certification. Familiarity with DO-160 testing and resolving exceptions.
Other Requirements:	Excellent communication skills. Good Technical writing skills. Knowledge of aircraft systems
Computer Requirements:	Proficient in a Windows environment. Design Tools Experience – Mechanical and electrical CAD programs.
Supervisory Experience:	Ability to work well with all levels of personnel.