

**DIRECTOR OF SOFTWARE, COMPONENT AND SYSTEM TEST**

Job Description:

Work closely with System Engineering group to define and capture high level and low level requirements for items and systems to be tested. Oversee development and execution of detailed test plans to verify that hardware and software items meet all requirements. Specify and oversee installation, commissioning and maintenance of all required testing capabilities (i.e. facilities improvements, lab equipment, test equipment, data acquisition, and test-specific hardware and software) to allow accurate and efficient testing of all hardware and software items. Oversee procurement and contracting of third party test capabilities that supplement or augment internal capabilities as required. Develop, maintain and enforce strict safety policies for work with high voltage and high power electrical and mechanical components and systems. Interface with design engineers to ensure a seamless transition from development test to qualification test phase without delays. Oversee generation of detailed test reports and presentations for design reviews and regulatory oversight. Works with project managers to support the creation, maintenance and execution of project plans, work breakdown structures, and schedules related to system test activities. Ensure correct resource assignments commensurate with the priority and complexity of project tasks. Directly perform all of the functions above as required.

Experience Level:

- + 10+ years of increasing responsibilities including 5+ years supervising engineering staff

Specific Requirements:

- + BS degree in Aeronautical, Mechanical, Electrical, Software or Mechatronics Engineering
- + Fundamental understanding of every key aircraft technical discipline (configuration, aero, systems, propulsion, structures, software/avionics, flight test, manufacturing)
- + Minimum 5 years of experience supervising or leading a product development team
- + Familiar with ARP 4754, ARP 4761, DO178, DO254, DO160
- + Experience with defining processes, procedures and tools used for hardware, electrical system and software systems validation and verification testing.
- + Experience with full product development life cycle

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- + Strong working knowledge of system integration and verification activities; including requirement validation reviews, test procedure development, automated test development and execution, and verification coverage analysis
- + Experience using requirements management software. Jama experience preferred.
- + Familiarity with FAA certification per Parts 23, 33, 35, 36
- + Experience specifying and setting up laboratory equipment including power supplies, dynamometers and data acquisition systems
- + Demonstrated managerial, supervisory and leadership skills in a low-volume, fast-paced engineering and design environment
- + Demonstrated strong strategic thinking and communication skills
- + Demonstrated strong decision-making skills
- + Demonstrated ability to effectively present information and respond to questions from groups of managers and general users
- + Demonstrated ability to work with all levels of the organization to achieve organizational objectives
- + Able to read, analyze, and interpret technical data
- + Able to write in a clear and concise manner
- + Able to effectively present information and respond to questions from other departments.
- + Able to actively participate in multi-disciplined functional teams
- + Able to communicate project status updates in a team environment
- + Proficient with Microsoft Word, Excel, Powerpoint, Visio and Project. Proficient with PLM and requirements management tools.
- + Able to effectively plan, organize and complete work with minimal supervision
- + Able to communicate complex technical information to other departments and functions
- + Comfortable working in a matrix organization
- + Highly motivated to provide project deliverables on time and be able to establish priorities when multiple deliverables coincide
- + Interest and ability to contribute to evolving work processes
- + Passionate about engineering software applications and process improvements

Preferred Experience:

- + MS degree in Aeronautical, Mechanical, Electrical, Software or Mechatronics Engineering
- + Strong proficiency with Jama requirements management tool
- + Oversee successful FAA Certification activities per Part 23
- + Experience with high power and high voltage electric power systems
- + Experience testing aircraft components and systems per DO-160G



AMPAIRE

3507 Jack Northrop Ave.
Hawthorne, CA 90250

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- + Experience with qualifying hardware per DO178 and DO254 DAL Av

Compensation & Benefits:

- + Salary & stock options package negotiable, commensurate with the market.
- + 401k eligibility after 6 months
- + Health + Dental + Vision insurance
- + Aviation Enthusiast Benefit credit

Company Overview:

Ampaire is a tech startup based in California that is leading the charge in electric aviation. We're on a mission to provide the world with flights that are affordable, quiet, and environmentally conscious. We're building the future of air travel, reimagining the way we fly, and innovating at the intersection of new technology in aerospace and electric vehicles. We are a practical and lean start-up that quickly iterates and learns, and this has allowed Ampaire to be among the first of the electric aviation companies to actually fly.

We're headquartered at the intersection of aerospace and electric vehicles, right next to SpaceX and Tesla at Hawthorne Airport in Los Angeles County, California. As part of Starburst, the world's top aerospace accelerator, we have access to an international support network. We're proud to have won multiple international awards as a Top Aerospace Startup (Hello Tomorrow, Paris), Top Electrification Startup (New Mobility Challenge, Los Angeles), and IEEE N3XT Stars. We've also been featured in Aviation Week, The Wall Street Journal, New York Times, and other major publications due to our creative business approach and early success. Our talented team brings a diverse background from top institutions including: Caltech, Stanford, USC, Northrop Grumman, SpaceX, Virgin Orbit, and General Motors.

Ampaire is an Equal Opportunity Employer; employment with Ampaire is governed on the basis of merit, competence and qualifications and will not be influenced in any manner by race, color, religion, gender, national origin/ethnicity, veteran status, disability status, age, sexual orientation, gender identity, marital status, mental or physical disability or any other legally protected status.