Position: Quality Engineer I  
Date Written: June 2017  
Classification: Salary; Exempt  
Reports to: Quality Manager  
Location: Los Alamitos  

**Position Summary:**
This position is responsible for providing technical support to the program office. Additional responsibilities include quality engineering and quality systems oversight to ensure the integrity of processes and hardware.

**Essential Job Duties:**

**Management Support**
- Review program’s contractual requirements, develops, and formats the outline in support of the End-Item-Data-Package deliverables.
- Work with Procurement, Program Management, Manufacturing Engineering, and Manufacturing and Test personnel to ensure flow-down and implementation of contractual requirements.
- Assist in defining program quality scope by coordinating with Manufacturing Engineering in the development and release of the product build architecture (Bill-of-Operations), Risk Mitigation Plan and Deep Dive activities and with the Supply Chain in the development of the Bill-of-Materials.
- Supports R/C Investigations and/or Hardware development activities, and customer presentations including Manufacturing Readiness Reviews and Failure Reviews.
- All other duties as requested.

**Engineering**
- Review program requirements to create and implement program Inspection and Verification Plans including hardware acceptance criteria.
- Review product designs and manufacturing methods for robustness to insure highest product acceptance yield.
- Interface with customers and suppliers to resolve programmatic or systematic quality issues.
- Support Material Review / Failure Review Board activities through root cause analysis and identification of corrective actions to prevent recurrences.
- Use statistical analysis to establish control limits for equipment and processes.
- Researches alternative solutions to manufacturing problems and processing equipment, determines proper methodologies, and make verbal and/or written recommendations to appropriate parties and implement solutions.
- Collaborate with peers on Failure Modes and Effects Analysis Plans for existing equipment and tooling.
- Track, report, and analyze defects driving to root cause analysis, and supports continuous improvement implementation and on-going activities.
Participate in special projects, audits, and process improvements in support of quality assurance initiatives. Develop written reports of findings; escalate unresolved issues to appropriate management levels.

- Lead and participate in Supplier Quality Audits and Supplier Developments.
- All other duties as requested.

Duties and responsibilities may be added, deleted, modified or changed at any time at the Company’s discretion. Changes may be made formally, informally either verbally or in writing.

Knowledge and Skills:

- Excellent verbal and written communication and presentation skills.
- Excellent analytical and problem-solving skills such as process mapping and root cause analysis and an ability to resolve issues in a timely manner.
- Ability to handle multiple priorities simultaneously.
- Demonstrated ability to effectively communicate and collaborate with other departments within the organization.
- Ability to read and interpret engineering drawings.
- Ability to write concise and easy to follow procedures and work instructions.
- Ability to identify, specify and implement quality standards in a composites manufacturing environment.
- Proficient in Microsoft Word, Excel, and PowerPoint.
- High Energy, self-starting team player who achieves goals and focuses on continuous improvement both individually and for the team.
- Can lead successful Root Cause Analysis teams and contribute to establishing Corrective Actions.

Education Qualification and Experience:

- Bachelor of Science in Engineering (Aerospace, Mechanical, Manufacturing, Industrial, Process or related) preferred
- Direct experience in aerospace or high volume composites manufacturing environment desired.

Work Environment:
Job duties may be performed throughout the entire facility and at a sub-contractor or customer location.

Physical Requirements:
Ability to perform work by standing, walking, bending or stooping for extended periods of time. Work at a desk using a computer and mouse.

Citizenship Requirements:
Must be legally authorized to work in the United States

Work Schedule:
A 40 hour work week is standard, but at times additional hours may be required to fulfill the duties and responsibilities named above.