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<h1>Human Resources</h1> <h2>Job Description</h2> <h1>TSS Mechanical Engineer</h1>		
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Employee Job Description

Job Title: Mechanical Engineer

Job Description

Summary

Providing Mechanical Design, Analysis and Engineering Services for the performance of job tasks on Projects and Initiatives as assigned by Project Managers, Program Managers and Support Managers. Provide Training Services for Internal and External Customers and Internal Certification and Training Process. Provide Subject Matter Expertise to all associates and customers in support of internal operations and training as well as Projects and Initiatives.

Essential Functions

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Design Mechanical Components, Tools, and Systems using SolidWorks
- Design of Electronics Chassis, Equipment Racks, Sub-System enclosures
- Component Fitment and Stress analysis
- Wiring Harness Fitment and Routing
- Understand and Follow Mil-Spec Processes for Components as well as Fasteners, Welding and Rivets
- PC board Layout of Logic and RF circuits
- Create, and Train Customers on, Equipment Setup and Maintenance Procedures
- Install, Mechanical Components and Systems
- Provide Mechanical Design Review Services and Documentation
- Provide Mechanical Performance Assessment and Documentation
- System and Network Testing and Report Generation
- Customer Training (as certified)
- Analyze Customer Engineering Processes and Practices and Recommend Enhancements
- Maintain Project Binders and Documentation including detailed Manufacturing Drawings for Parts, Assemblies, and Installations
- Employee Expense Reporting
- On-Site Supervision on Project tasks, self and Technicians (as certified and trained)

Competency or position requirements

- Engineering
 - Mechanical Design using SolidWorks
 - Creation of User Documentation including Installation Guides
 - PC board Layout
 - Component Fitment and Stress Analysis
 - Ability to Follow and Create Processes
- Core Management Skills
 - Planning



- Project
 - Process
 - Engineering/ Manufacturing
 - Design and Analysis
- Cross Functional
 - Customer Management
 - On-Site Supervision (as trained and certified)
 - Project Management (as trained and certified)
- Quality
 - Document Control
 - Lessons Learned, Feedback Processes
 - Follow Quality Processes, Methods and Procedures
- General
 - Written Communications
 - Verbal Communications
 - Interaction with External Vendors
- Team Building
 - Project Team SME and Member or Leader (as trained and certified)

Supervision Received

This position is a direct report to the Director of Engineering.

Education and Experience

- 5 Years Computer Aided Design - SolidWorks
- 5 years Technical Experience with Electronic Assemblies, Cable Assemblies, RF Systems in a Mil-Spec Environment
- PC Board Layout of Logic and RF circuits
- Technical Documentation Creation, Users Guides, Installation Guides
- Customer Interaction Experience
- Technical Writing Ability

Direction received from other resources:

- SMEs for Technical Support
- Project/Program Managers
- Corporate Training Director

Physical Factors

The job consists of sitting and standing throughout the day.

Working Conditions

The department for this position is indoors in an open area for manufacturing.

Please note this job description is not designed to cover or contain a comprehensive listing of



activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

Document History

Note: See SharePoint document history if this page is blank.

Revision History

Revision Date:	Revision Number:	Description of Revision:	Author:
04/30/2019	00	Initial Document	Anthony Rycko

Approvals

This document requires following approvals:

Name:	Title:	Date:

Distribution

This document has been distributed to:

Name:	Title:	Date: