

Hemisphere GNSS Job Description

Job Title: Product Validation Specialist – Machine Control
Location: Hiawatha, KS
Department: Product Management
Reports To: Sr. Mgr. Product Validation/Integration
Prepared Date: April 27, 2021

Full-Time Part-Time / Exempt Non-Exempt

Summary

The purpose of this position is to provide specification and development of process/tools and to perform comprehensive product validation for the company's machine control, GNSS and guidance systems.

Essential Duties and Responsibilities

- Develop validation test methods and capabilities.
- Develop and implement product validation test plans in lab and field environments.
- Analyze product test coverage through the design cycle.
- Provide risk assessment against test coverage.
- Failure mode analysis.
- Product reliability and performance assessment and testing.
- Analyze and present relevant issues in a clear, concise and logical manner.
- Operate a variety of computer automated and manual test equipment including GPS and GNSS systems, precision Ag systems and simulators.
- Write test reports.
- Ability to maintain excellence and accuracy in a dynamic, fast-paced, multi-disciplinary environment.
- Ongoing commitment to advance knowledge in the field of GNSS, Machine Control & Earthmoving, embedded systems testing and standards compliance.
- Sourcing, obtaining quotations and selecting required lab supplies and materials to conduct tests.
- Other related duties as assigned by Management and/or Executive Team.
- Maintain compliance with all Hemisphere GNSS policies and procedures.
- Travel domestically and internationally up to 20% during the year.

Supervisory Responsibilities

This position does not include supervisory responsibilities.

Education and/or Work Experience Requirements

The requirements listed below are representative of the knowledge, skill, and/or ability required to perform this job successfully.

Education and/or Experience

- Bachelor's degree in Engineering, Computer Science, or Technology Management; Machine Control /Construction focus desirable
- Minimum 2 years of experience in a high-tech product validation and support role
- Experience with GNSS and Machine Control products

- Experience with overall construction technology and production processes, highly desirable specific focus and experience within Machine Control and or earthmoving

Practical/Technical Skills

- Experience with function and operation of construction machinery and in field use of machine control technology.
- Basic understanding of and in field experience with Construction equipment use and operation of excavators, dozers, skid steers and other earthmoving equipment.
- Basic understanding of closed loop controls for material application and steering.
- Adoption level understanding of CANBUS and ISO 11783 interfaces.
- Familiarity with product life cycle process and product development best practices.
- Ability to read, analyze, and interpret technical documentation, requirements and test reports.
- Ability to document and present technical test reports and findings in a clear manner.
- Ability to effectively present information to other employees of the Company.

Computer Skills

- Basic Microsoft Office Suite – Word, Outlook, PowerPoint and Excel.
- Basic experience with defect management tools such as Atlassian JIRA
- Basic experience with NPI documentation tools such as Atlassian Confluence

Language Skills

- Average verbal and written communication skills are required in this position including above average ability to read and comprehend technical instructions, correspondence, and memos.
- Ability to effectively present information to customers, clients, management, and other employees of the Company in small group situations, public groups, and/or one on one.

Reasoning Ability

- Ability to define problems, collect data, establish facts, and draw valid conclusions.
- Ability to assess problems with product functionality from an end customer perspective and relate detailed background information to a broader audience

Other Skills and Abilities

- Ability to handle high level of confidentiality regarding product marketing information.
- Excellent planning, time management, communication, decision-making, organizational and project management skills.
- Ability to multi-task, perform under pressure, motivate individuals, lead projects with a high degree of attention to detail, and understand the overall corporate objectives are essential.
- Excellent verbal and written communication skills, including ability to effectively communicate with internal and external customers.
- Excellent attention to detail.
- Must be able to work under pressure and meet deadlines, while maintaining a positive attitude and providing exemplary customer service.
- Ability to work independently and to carry out assignments to completion within parameters of instructions given, prescribed routines, and standard accepted practices.
- Ability to work with minimal supervision.

Physical Requirements

Computer/Office

- Will constantly operate a computer and other office productivity machinery, such as a calculator, copy machine, and computer printer.
- Must be able to talk, listen and speak clearly on telephone.

Physical

- Required to sit in one location much of the time.

- The person in this position frequently communicates with coworkers regarding technical information and must be able to exchange accurate information in these situations.
- Must be able to travel by car or aircraft and sit for long hours during international travel.
- Position involves the execution and/or supervision of field testing activities in Agriculture under different seasonal climate conditions

Sensory

- Must be able to concentrate on details and specifications.

Environmental Conditions

- Work primarily in climate-controlled office environment and outside when testing is needed

Mental

- Moderate mental stress can be experienced by noticeable pressure from deadlines, accuracy, simultaneous priorities.
- Work may be repetitious.

The preceding functions may not be comprehensive in scope regarding work performed by an employee assigned to this position classification. Management reserves the right to add, modify, change or rescind the work assignments of this position. Management also reserves the right to make reasonable accommodations so that a qualified employee(s) can perform the essential functions of the position.

I have read and understand the job description. I understand that nothing in this job description restricts management's right to assign or reassign duties and responsibilities to this job at any time.

Print Employee Name: _____

Employee Signature: _____ **Date:** _____