



JOB DESCRIPTION

DCS Rapid Deployment Technician

JOB TITLE	DCS RAPID DEPLOYMENT TECHNICIAN	DIVISION	COLLECTION SYSTEMS QUALITY ASSURANCE TEAM
REPORTS TO	DATA COLLECTION SYSTEMS SCRUM MASTER	FLSA STATUS	NON-EXEMPT
DATE	09/28/2017		

SECTION 1

Summary of the Position

As a Data Collection Systems (DCS) Rapid Deployment Technician you will be a critical part of verifying our Data Collection Systems meet their performance requirements both in Development and Production. You will work closely with engineers, software developers, and others, to execute detailed test plans, document and communicate results, and provide general feedback about the usage of Data Collection System products to key stakeholders. You will be constantly exposed to new technologies as Mandli Communications, Inc. strives to improve our data collection capabilities. You will use your passion for technology, and excellent teamwork skills, to learn and apply new concepts daily in this ever-changing industry.

SECTION 2

Primary Responsibilities

Production Verification and System Validation

- Operate data collection systems in a responsible manner consistent with training and local laws and regulations.
- Navigate through unfamiliar areas, sometimes under adverse traffic conditions, all while maintaining strict safety standards and maintaining proper data collection methods.
- Perform post-assemble/pre-deployment validation of data collection systems.
- Communicate effectively in written form; record detailed testing notes and observations.
- Create documents and spreadsheets to track and record testing results and observations.
- Analyze test data, making computations as necessary, to determine test results.
- Read, understand, execute test plans and protocols.
- Review existing procedural documentation to identify necessary revisions, deletions, or amendments.

DCS Validation Site Creation and Maintenance

- Work with multiple departments to strategically locate validation sites, achieving desired coverage to support service projects.
- Locate potential validation sites for current/upcoming service projects.
- Perform rapid deployment planning and preparation for successful execution.
- Verify validation sites meet processing criteria.
- Perform annual validation site maintenance within service project area.
- Ability to work safely within the right-of-way of public roads.
- Accurately Measure and record validation site control points.
- Maintain validation site records and database.

DCS System Performance Evaluation

- Learn and use Mandli software to process and inspect data collection system outputs for conformance to specifications.
- Processes and extracts data according to established procedures and guidelines.
- Perform and evaluates weekly validations for all data types.
- Prepare validation reports and shares with the appropriate company departments.
- Monitor performance by gathering relevant data and producing reports.

Collection System BETA Testing

- Execute detailed test plans prior to software or hardware releases.
- Perform regression testing of DCS.
- Set up or operate test equipment, in remote areas, to evaluate performance of developmental parts, assemblies, or systems under simulated operating conditions.
- Collaborate with engineers or other personnel to identify developmental problems.
- Notify supervisors or other personnel of quality or performance problems.
- Discard or reject products, materials, or equipment not meeting specifications.
- Inspect, test, or measure: materials, products, installations, or work; for conformance to specifications.
- Read blueprints, data, manuals, or other materials to determine specifications, inspection and testing procedures, adjustment methods, certification processes, formulas, or measuring instruments required.
- Maintain an active awareness of all third party equipment, company software, and industry standards.

DCS Applied Science Research and Development

- Research, develop, and test DCS workflow improvement and cost reduction strategies to support production efficiency.
- Research, develop, and test DCS best practices to ensure data quality and integrity.
- Create new or Review existing standard operating procedure documentation to identify

necessary revisions, deletions, or amendments.

Execute Rapid Deployments

- Support deployed resources with short notice.
- Assemble/Disassemble DCS in remote locations to support production staff.
- Participate in 3rd party certification or evaluation of DCS.
- Execute data collection for projects of limited scope that can not easily be completed by production resources and staff.
- Perform various other job-related duties as assigned.

SECTION 3

Competencies and Key Behaviors

Technical Expertise

- Keeps informed about changes in software, equipment, and company policies and procedures
- Uses good judgement to handle issues and problems as they arise
- Acquires and applies new skills as necessary
- Tracks new advancements and cutting-edge developments
- Acts as a technical resource and transfers knowledge and skills to others
- Exercises good judgement

Achieves Results

- Develops and executes plans to achieve results
- Considers financial and operational impact in decisions
- Achieves desired results

Communication

- Logically and simply conveys ideas clearly and verbally and in writing
- Communicates information in a logical and sequential manner to aid understanding
- Ensures that regular communication occurs based on the needs of the project or the individual
- Clarifies the meaning and intent of others' communication when it is unclear
- Adjusts language to address the needs of differing audiences
- Utilizes strong listening skills to formulate direct, responsive answers to questions
- Effectively communicates complex ideas using analogies, visuals, and other techniques
- Creatively identifies and utilizes effective communication channels and methods

Accountability

- Exhibits uncompromising ethics & integrity

- Takes responsibility for continuous learning & development
- Seeks others' feedback & identifies & acts on issues & opportunities
- Communicates effectively & utilizes active listening skills
- Acknowledges mistakes & learns from them

Concern for Quality

- Checks accuracy of own work
- Carefully prepares materials, approaches, and resources
- Follows procedures to ensure quality output
- Uses a systematic approach to organize and track quality
- Manages competing demands while striving for quality work
- Encourages people to maintain high standards of quality and thoroughness
- Balances attention to detail with the overall timeline for completion

Teamwork

- Cooperates with team members to build a spirit of unity within the team
- Fulfills commitments to other team members
- Recognizes the efforts of other team members and values individual differences
- Informs team members of important or relevant information for team success

SECTION 4

Qualifications

Specialized Knowledge and Skill Requirements

- Must be familiar with Apple products and the Apple operating system.
- Advanced knowledge of Microsoft Office. Must have the ability to analyze documentation and gather pertinent details.
- Must have ability to quickly learn the standards and regulations pertaining to public transportation industry.
- Ability to obtain an advanced understanding of Mandli programs, product line, and third party hardware within 3 months of start date.
- Basic knowledge and experience with GIS software
- Knowledge of coordinate reference systems, projections, and GIS data transformations

Software

- Exceptional knowledge of computer hardware and software including Apple OS. Have extensive knowledge of company products.

Language Skills

- Reads novels and magazines, as well as safety rules and equipment instructions

- Writes reports with proper format and punctuation
- Speaks well before an audience

Mathematical Skills

- Must have the ability to compute rate, ratio, and percent, as well as create and interpret graphs.
- Must be able to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.
- Must be able to apply concepts such as units of measure, both english and metric units
- Must be able to compute area, distance, and geometry

Reasoning Ability

- Applies principles to new situations. Applies theories to practical situations. Solves mathematical problems. Constructs charts and graphs. Demonstrates correct usage of a procedure.

Certificates and Licenses

- Valid Driver's License required for travel to job sites, client and vendor locations within the United States.

Education/Licenses/Certificates

- Two to four years of experience; or equivalent combination of education and experience

SECTION 5

Travel

This position requires up to 50% travel throughout the United States.

SECTION 6

Physical and Environmental Demands of the Position

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this job, the employee is regularly required to talk, hear, use hands, and reach with hands and arms. Vision requirements include the ability to have clear vision at 20 inches or less to view and effectively utilize general office equipment and computers.
- The position requires lifting of office supplies, and company equipment that may weigh up to 50 pounds or more.

SECTION 7

Disclaimer Statement

The information contained in this job description is intended to describe the essential job functions required of those assigned to this job. It is not intended to be an exhaustive list of all accountabilities, activities, and knowledge needed to perform the job. Please note that job functions are reviewed periodically and are subject to change based upon company business need.