

1. **Position: Modeling and Simulation Engineer in Suffolk, Virginia (*details*)**
2. **Senior Engineer**
3. **Description:** Provides expert consultation in one or more areas for the design, development, planning, and implementation of modeling and simulation for JT&E tests and studies. Manages developing of JT&E test plans to include developing and writing Project Management Plans and Detailed Test Plans, preparing briefings for senior Technical Advisory Board and Senior Advisory Council, team members, and other efforts as required. Email resume to Advanced Systems Technology and Management; Mr. Bob Stoddert; Email: robert_stoddert@astminc.com, Phone: (757) 638-4034

Details

Education:

Must be fully qualified systems engineer or operational analyst with modeling and simulation (M&S) background and Masters Degree in a technical field (systems, math, computer science, operations research, physics, engineering, computer programming, or technical related field with Operations Research certification). A Master's Degree in a non-technical field may be substituted with 10 years of test and evaluation experience.

Experience:

Required:

- Minimum of three years experience in M&S applications that supported government test and evaluation and/or training requirements and joint operational architecture assessment.
- Six or more years experience that includes knowledge of M&S applications, development of M&S architectures and federations, understanding of process to integrate M&S into single synthetic virtual environment, conversion of operational scenarios into M&S synthetic environments, management and control of M&S execution, military training or testing operations, and facilitating M&S integration working groups.
- Experience in developing and writing test plans, training plans, or military operational plans. JT&E or joint operational planning experience.
- Experience in the development of M&S and VV&A plans is necessary to ensure the efficient development of executable JT&E test plans by JT&E Test Directors (familiar with data collection methods and procedures, software configuration management methods, computer analysis tools, basic M&S applications, and human factors processes).
- Must have a minimum of three years of test and evaluation experience in JT&E or Operational Test and Evaluation. This incumbent must have participated in planning and execution of an operational field test or military exercises supporting modeling and simulation
- Must have at least six years of military or government civilian experience.

Desired:

- Joint duty or active participation in a joint duty assignment is a plus.

Job Description:

Provides expert consultation in one or more areas for the design, development, planning, and implementation of modeling and simulation for JT&E tests and studies. Recognized as a technical leader and resource.

Reviews JT&E and QRT nominations for compliance to JPO standards. Responsible for coordination with Feasibility Study Directors, Joint Test Directors and Program Managers in developing JT&E test plans to include developing and writing Program Test Plans and Detailed Test Plans, preparing Technical Advisory Board and Senior Advisory Council briefings, training team members, and other efforts as required.

- Develops and researches possible applications of M&S to adequately evaluate the articles under test in a system of systems test environment that may include joint and Service conducted field exercises, standalone test events, integrated application of live, virtual, and constructive simulations, and the capabilities of Service battle laboratories.

- Assesses joint operational architectures and the impact of proposed initiatives on an existing joint operational architecture.
- Researches the possible applications of modeling and simulation to supplement JT&E testing when test limitations restrict the complete evaluation of article(s) under test (e.g. tactics, techniques, procedures (TTPs); process changes; changes to C4ISR architectures) to include assessment of technical risk.
- Responsible for development of the supporting M&S architecture for distributed and non-distributed simulation federations, the integration control documentation required to integrate required simulations into the required simulation environment, identification of commercial and government-owned communications capabilities that are capable of supporting M&S applications, the simulation management and control procedures to execute a simulation federation, and developing the M&S verification, validation, and accreditation (VV&A) plan to include guiding VV&A activities.
- Assists in the development of JT&E test plans with a focus on the M&S plan, research and investigation of DoD-owned M&S resource repositories for most appropriate models and simulations to satisfy JT&E requirements.
- Develop, review, and present specialized JT&E-related training on assigned topics to JFS, JT&E, and QRT management and staffs and JT&E nominating agencies.

Required Skills:

- Must be knowledgeable of software configuration management processes to ensure that all M&S developed for JT&E applications is reusable and in compliance with all DoD M&S standards such as High Level Architecture and Test & Training Enabling Architecture.
- Ability to develop and write concise test and evaluation plans.
- Must have skills to lead and manage integrated process teams.
- Must possess skills to facilitate joint warfighter advisory group and test planning working group meetings that will consist of military, civil service, and contractor personnel.
- Must be able to travel as needed.

Desired Skills:

- Ability to provide assistance in determining and implementing the most appropriate data collection methods that facilitate the collection of JT&E data in the required format and data structure required by the data collection and analysis plans.
- Familiar with multiple military C4I systems.
- Personnel management skills to facilitate integrated process team and M&S integration working group meetings that consist of military, civil service, and contractor personnel.
- Knowledge of T&E test planning, data collection, data analysis, and reporting procedures.

Clearance:

Must be able to obtain and maintain a Top Secret clearance and must be eligible for SCI access.

Contact:

Mr. Bob Stoddert

Advanced Systems Technology and Management, Inc.

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