

DATA STATISTIC ANALYST

Education and Experience Required

- Education: The contractor shall possess a degree in Engineering, Statistics, Mathematics, Business Management, or a related discipline, as well as eight (7) years of general experience and five (4) years of relevant experience.
- The offeror shall possess familiarity with database management systems (DBMS) (e.g., Oracle, SQL Server, etc.). Knowledge of cloud storage like Hadoop a plus
- The contractor shall possess the capability to write scripts to retrieve data from a DBMS and the development of Data Structure for application development.
- The contractor shall possess familiarity with scripting type languages like Java Script, SysML, and Python.
- The contractor shall possess proficiency and understanding of using models/simulations to conduct analyses and produce Multi-Variant Decision Analysis. Knowledge of tools like QLIK, Tableau a plus)
- The contractor shall possess the capability to synthesize, manipulate, and/or consolidate large amounts of data to support analytics.

Performance Based Tasks Required

- Perform systems analysis and programming tasks with information technology tools/software to:
 - Test and assess tools for use to meet the needs of JPEO-CBD requirements
 - Develop assessment matrices for comparison of tools/software and determination of the most appropriate tool for a given task
 - Develop and update documentation for tools and subsequent revisions
 - Write, update, and maintain computer programs or software packages to handle specific jobs (e.g., the expansion of existing programs, adaptation of existing programs to new requirements, etc.)
 - Consult with JPEO-CBD managerial, engineering, and technical personnel to clarify program intent, identify problems, and suggest changes
 - Develop appropriate data management systems to store CBRN data
 - Input and extract CBRN data from data management systems
- Perform mathematical and analytical methods, as well as Modeling and Simulations (M&S) to:
 - Generate, collect, and analyze performance measurements collected from within the JPEO-CBD and evaluate their effectiveness against the policies, programs, and organizations within

the Office of the Assistant Secretary of the Army for Acquisition, Logistics, and Technology (ASA(ALT)) and the CBDP

- Identify, evaluate, and assess the capability gaps existing within the JPEO-CBD and CBDP portfolio, determine the capability gaps remaining after current acquisition programs are fielded, and analyze materiel options to fill capability gaps and develop a strategic roadmap to support Enterprise-wide decisions
 - Assess the results of each capability set versus baseline capability and recommend potential capability sets for further examination
 - Work with various CBRN Subject Matter Experts (SMEs) to develop scenarios and use cases, identify the interdependencies between various performance parameters that cross CBRN Commodities, understand materiel solution interdependencies, and gather required data to support analytical tools
- Support M&S efforts between CBRN SMEs, the Army Materiel Systems Analysis Activity (AMSAA) CBRN Analysis and Combat Simulations Analysis teams, and force-on-force M&S developers to ensure CBRN behavior and effects are being implemented and addressed correctly. These duties include:
 - Prioritizing methodologies to be implemented and assisting in decisions regarding level of fidelity required for a force-on-force model
 - Working closely with M&S developers and CBRN SMEs to determine to what fidelity the CBRN behavior and effects should be modeled
 - Working closely with M&S developers to articulate M&S reporting requirements
 - Analyzing M&S output to determine the operational merit of capability sets versus baseline capabilities
- Utilize the results from data management systems and requirements-related document reviews to prepare documents (i.e., white papers, briefings, concepts of operations (CONOPS), use case scenarios, functional diagrams, physical diagrams, and Interface diagrams) outlining capability gaps, details of new program concepts, and transition to become a pre-acquisition program
 - Analyze requirements-related documents (e.g., CBAs, Initial Capabilities Documents (ICDs), Capability Development Documents (CDDs), Capabilities Production Documents (CPDs), etc.) and provide recommendations on requirements for potential new programs or future capabilities needed to support new CBRN Defense/Combating Weapons of Mass Destruction (WMD) concepts
 - The contractor shall attend and participate in meetings. In addition, the contractor shall develop minutes, white papers, and briefings to present meeting actions, results, and discussion items to leadership.