

POSITION DESCRIPTION

APPLY TO: John Kennedy, jkennedy@hmrtech.com or Barb Senzig, bsenzig@hmrtech.com

POSITION TITLE: Avionics Engineer Senior

LOCATION: Wright Patterson Air Force Base, OH.

POSITION STATUS: Full-Time, Exempt, Salaried

CLEARANCE: Current SECRET

ESSENTIAL AREA OF RESPONSIBILITY:

- Provide structural engineering consultation and support to design, develop, manufacture, integrate, test, and deploy structural components to airborne weapon systems. Support shall extend to static, dynamic, vibration, and acoustic design and analysis of all aero-related elements of airborne systems as well as any shipping and ground support equipment.
- Assist the Government and define and maintain technical processes, identify technical requirements, and support structural development to meet user needs in the areas of the primary aircraft structure, non-primary aircraft structure, and airworthiness compliance.
- Provide advisory assistance and apply systems engineering processes related to system requirements, structural modifications, metric and requirements development and traceability, functional and physical allocations, program protection elements, entry and exit criteria development for technical reviews, configuration audits, logical analysis, design solution and implementation, interface and interoperability integration, and test verification and validation.
- Provide advisory assistance and draft documentation support to conduct reviews and studies, document performance requirements, and support structural modifications for system-level integration.
- Provide advisory assistance for structural aspects of the airborne weapon system to ensure the application of the following: systems integration; interface management; test; reliability and maintainability; accreditation and certification; technology transfer; manufacturing readiness; and Environmental, Safety, and Occupational Health (ESOH) processes are IAW DoDI 6055.05 and AFI 48-145 policies and standards, and airworthiness compliance.
- Provide advisory assistance in the development, deployment, and maintenance of technical processes relating to structures that are designed to develop and sustain products acquired while ensuring safe operation and maintenance of systems and forces.
- Provide structural engineering leadership and technical support to design, develop, manufacture, integrate, test, and deploy airborne weapon systems.
- Provide advisory assistance and draft documentation support to define and maintain technical processes, identify current and future structural needs, and support structural developments to satisfy user needs.
- Assist the Government by providing knowledge and guidance and producing artifacts to

support Systems Integration; OSS&E; Airworthiness Certification, per the latest version of MIL-HDBK-516; Safety, per Mil-Std-882; and Life Cycle Systems Engineering, per AFI 63-1201

QUALIFICATIONS:

- Minimum of ten (10) years' experience and a Master's degree in a professional engineering discipline from an ABET-accredited educational program; OR a minimum of twenty (20) years' experience with an ABET-accredited Bachelor's degree in a professional engineering discipline.
- Must be able to effectively communicate with customer and fulfill all duties and responsibilities as listed in the contract.
- Must possess the requisite knowledge, skills, abilities, and experience to be able to self-sufficiently perform all duties and tasks in support of the Directorate or Division missions.
- Must obtain and maintain a government security clearance at the required level.
- Must be proficient in the use of Microsoft Office Applications (Outlook, Word, Excel) and other standard (Customer specified) applications.

Preferred Qualifications:

- Capable of working on high-visibility or mission-critical aspects of a given program and shall be able to independently perform the most complicated and technical support tasks relevant to all the tasks identified in the assigned functional discipline section
- Must have the experience and capability to support the assigned tasks and lead journeyman-level support personnel, assigned programs and teams

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